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Apsara Uni-manager Operations Console Developer Guide

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Document conventions

Style	Description	Example
Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	**Danger:** Resetting will result in the loss of user configuration data.
Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	**Warning:** Restarting will cause business interruption. About 10 minutes are required to restart an instance.
Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	**Notice:** If the weight is set to 0, the server no longer receives new requests.
Note	A note indicates supplemental instructions, best practices, tips, and other content.	**Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings**> **Network**> **Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK**.
`Courier font`	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

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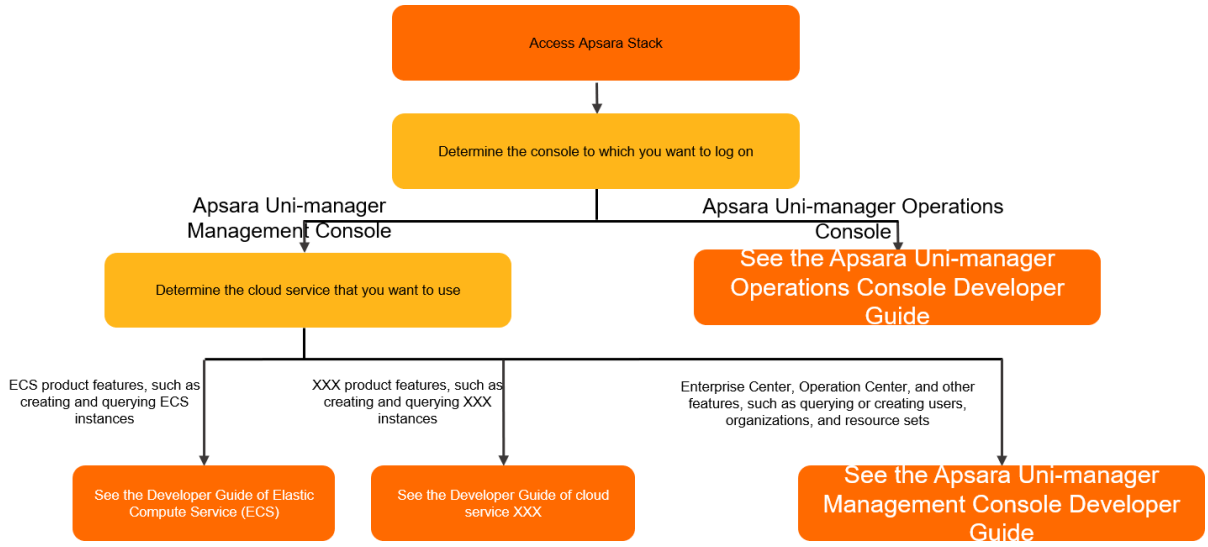
1.Usage notes on development documentation

This topic describes how to view the desired product development documentation when you use Apsara Stack API (ASAPI).

Procedure

You can follow the procedure described in the following figure to view the desired development documentation.



Prerequisites

The Apsara Stack version is obtained from an O&M personnel or operations administrator.

Procedure

You can go to the Apsara Stack documentation center and view the desired product documentation.

1. Go to the Apsara Stack Documentation Centerpage by using a browser.
2. Click the **Enterprise**, **Agility**, or **All-in-one** tab based on the Apsara Stack version that you use.
3. Select an Apsara Stack version from the drop-down list.
4. In the left-side navigation pane, select the name of the product that you want to view.
5. In the upper-right corner of the product documentation section, click **View Details** or **Download PDF**.

2.Release notes for Apsara Uni-manager Operations Console SDK

This topic describes the release notes for Apsara Uni-manager Operations Console SDK of Apsara Stack V3.18.2.

SDK version history

Version	Release date	Description
3.18.2.0	2024.03	Released the Apsara Uni-manager Operations Console SDK from which external API operations of Apsara Stack V3.18.2 can be called.

API release, modification, and issue records

Apsara Uni-manager Operations Console

Module	API operation	V3.18.1 or later
Monitoring and alerting	GetIncidentAlertList	v3.18.2 ASO RELEASE
	GetMetricData	v3.18.2 ASO RELEASE
	ListAlertByUpdateTime	v3.18.2 ASO RELEASE
	GetAlertList	v3.18.2 ASO RELEASE
	GetCpuMetrics	v3.18.2 ASO RELEASE
	GetDiskMetrics	v3.18.2 ASO RELEASE
	GetIoMetrics	v3.18.2 ASO RELEASE
	GetLoadMetrics	v3.18.2 ASO RELEASE
	GetMemMetrics	v3.18.2 ASO RELEASE

	GetTrafficMetrics	v3.18.2 ASO RELEASE
Inventory management	GetOverview	v3.18.2 ASO RELEASE
	GetSlbInventoryInfo	v3.18.2 ASO RELEASE
	GetEcsInventoryByCurrent	v3.18.2 ASO RELEASE
	GetEcsInventoryList	v3.18.2 ASO RELEASE
	GetEcsInventoryByZoneId	v3.18.2 ASO RELEASE
	GetVms	v3.18.2 ASO RELEASE
	GetEbsClusterTypeInfo	v3.18.2 ASO RELEASE
	GetNasInventoryInfo	v3.18.2 ASO RELEASE
	GetOssInventoryInfo	v3.18.2 ASO RELEASE
	GetOtsInnerInventoryInfo	v3.18.2 ASO RELEASE
	GetRdsInventoryInfo	v3.18.2 ASO RELEASE
	GetSlsInnerInfo	v3.18.2 ASO RELEASE
	GetPanguInventoryByClusterName	v3.18.2 ASO RELEASE
	GetInventoryStat	v3.18.2 ASO RELEASE
	GetIntegratedProductInventory	v3.18.2 ASO RELEASE
Inspections	InspectionGetReport	v3.18.2 ASO RELEASE
	InspectionGetTaskExecution	v3.18.2 ASO RELEASE
	InspectionGetTaskList	v3.18.2 ASO RELEASE

Platform products	GetProductListDetail	v3.18.2 ASO RELEASE
	GetProductList	v3.18.2 ASO RELEASE
	GetProductVersion	v3.18.2 ASO RELEASE
	DescribeProductStatus	v3.18.2 ASO RELEASE
	GetClusterListByProductDetail	v3.18.2 ASO RELEASE
	GetClusterListByProduct	v3.18.2 ASO RELEASE
	GetClusters	v3.18.2 ASO RELEASE
	GetServiceInstanceDetail	v3.18.2 ASO RELEASE
	GetServerRoleList	v3.18.2 ASO RELEASE
	GetServerroleVersion	v3.18.2 ASO RELEASE
	GetServiceRole	v3.18.2 ASO RELEASE
	GetServerRoleMachinesDetail	v3.18.2 ASO RELEASE
Equipment assets	GetMachineByIp	v3.18.2 ASO RELEASE
	GetMachineByName	v3.18.2 ASO RELEASE
	GetMachineListDetail	v3.18.2 ASO RELEASE
	GetMachineList	v3.18.2 ASO RELEASE
	GetNetworkMachineByIp	v3.18.2 ASO RELEASE
	GetNetworkMachineByName	v3.18.2 ASO RELEASE
Platform data	GetCurrentUserStats	v3.18.2 ASO RELEASE

	ListUsers	v3.18.2 ASO RELEASE

Network Operations Console

Module	API operation	V3.18.1 or later
Network element management	GetSwitchInfo	v3.18.2 baseServiceAll RELEASE
	GetTopoInfo	v3.18.2 baseServiceAll RELEASE
	ListPorts	v3.18.2 baseServiceAll RELEASE
	ListSwTotal	v3.18.2 baseServiceAll RELEASE
	GetPortInfo	v3.18.2 baseServiceAll RELEASE
	GetXnetFlow	v3.18.2 baseServiceAll RELEASE
	GetHardwareUtilization	v3.18.2 baseServiceAll RELEASE
	GetPortTransPowerByName	v3.18.2 baseServiceAll RELEASE
Networking services	AllSlbClusters	v3.18.2 baseServiceAll RELEASE
	GetNodeList	v3.18.2 baseServiceAll RELEASE
	GetSlbLvsNodeStats	v3.18.2 baseServiceAll RELEASE
	GetSlbLvsClusterStats	v3.18.2 baseServiceAll RELEASE
	GetLbStats	v3.18.2 baseServiceAll RELEASE
	GetSlbProxyClusterStats	v3.18.2 baseServiceAll RELEASE
	GetSlbProxyNodeStats	v3.18.2 baseServiceAll RELEASE
	GetXgwClusterList	v3.18.2 baseServiceAll RELEASE

	GetXgwClusterAll	v3.18.2 baseServiceAll RELEASE
	GetXgwMachineList	v3.18.2 baseServiceAll RELEASE

Storage Operations Console

Module	API operation	V3.18.1 or later
Apsara Distributed File System O&M	GetPanguStorageCapacity	v3.18.2 ASO RELEASE
CDS O&M	DescribeClusterCapacity	v3.18.2 CDS-Management RELEASE
	DescribeMetrics	v3.18.2 CDS-Management RELEASE
	DescribeStorageClusters	v3.18.2 CDS-Management RELEASE
	DescribeOssCluster	v3.18.2 CDS-Management RELEASE
	DescribeBlockClusters	v3.18.2 CDS-Management RELEASE
	DescribeHosts	v3.18.2 CDS-Management RELEASE

ApsaraDB Operations and Maintenance System

Module	API operation	V3.18.1 or later
RDS O&M	DescribeComboInventory	v3.18.2 RDS RELEASE
	DescribeCustInsSlaveInfo	v3.18.2 RDS RELEASE
	DescribeHostInfoByDbType	v3.18.2 RDS RELEASE
	DescribeResourceInventory	v3.18.2 RDS RELEASE

Apsara Uni-manager Management Console

Module	API operation	V3.18.1 or later

Platform data	GetCurrentUserStats	v3.18.2 ASCM RELEASE

3.Unrecommended and unavailable APIs

Some APIs provided by the Apsara Uni-manager Operations Console of versions earlier than 3.18.1 are not supported or not recommended for use. This topic describes the APIs that are not supported or not recommended for use.

> **Note**
>
> - **Unrecommended** APIs are still described in the API reference, and alternative APIs are provided. In general, unrecommended APIs will no longer be supported in later versions of the Apsara Uni-manager Operations Console.
> - Most **unsupported** APIs do not have alternative APIs and are not described in the API reference. Only a small number of unsupported APIs have alternative APIs with similar functions.

API	Availability	Alternative API
GetAlertList	Not recommended	GetIncidentAlertList
GetCpuMetrics	Not recommended	GetMetricData
GetDiskMetrics	Not recommended	GetMetricData
GetIoMetrics	Not recommended	GetMetricData
GetLoadMetrics	Not recommended	GetMetricData
GetMemMetrics	Not recommended	GetMetricData
GetTrafficMetrics	Not recommended	GetMetricData
GetProductList	Not recommended	GetProductListDetail
GetClusterListByProduct	Not recommended	GetClusterListByProductDetail
GetMachineList	Not recommended	GetMachineListDetail
GetOverview	Not recommended	GetIntegratedProductInventory
GetSlbInventoryInfo	Not recommended	GetIntegratedProductInventory

GetEcsInventoryByCurrent	Not recommended	GetIntegratedProductInventory
GetEcsInventoryList	Not recommended	GetIntegratedProductInventory
GetEcsInventoryByZoneId	Not recommended	GetIntegratedProductInventory
GetEbsClusterTypeInfo	Not recommended	GetIntegratedProductInventory
GetNasInventoryInfo	Not recommended	GetIntegratedProductInventory
GetOssInventoryInfo	Not recommended	GetIntegratedProductInventory
GetOtsInnerInventoryInfo	Not recommended	GetIntegratedProductInventory
GetRdsInventoryInfo	Not recommended	GetIntegratedProductInventory
GetSlsInnerInfo	Not recommended	GetIntegratedProductInventory
GetPanguInventoryByClusterName	Not recommended	GetIntegratedProductInventory
GetInventoryStat	Not recommended	GetIntegratedProductInventory
GetHistoryAlert	No longer supported	GetIncidentAlertList
PushToASO	No longer supported	N/A
GetScriptInfo	No longer supported	N/A
GetScriptList	No longer supported	N/A
GetTaskExecuteHistory	No longer supported	N/A
GetTaskOutput	No longer supported	N/A
GetTaskInfo	No longer supported	N/A
GetTaskList	No longer supported	N/A

4.Preparations

4.1. Log on to the Apsara Uni-manager Operations Console

This topic describes how to log on to the Apsara Uni-manager Operations Console.

Prerequisites

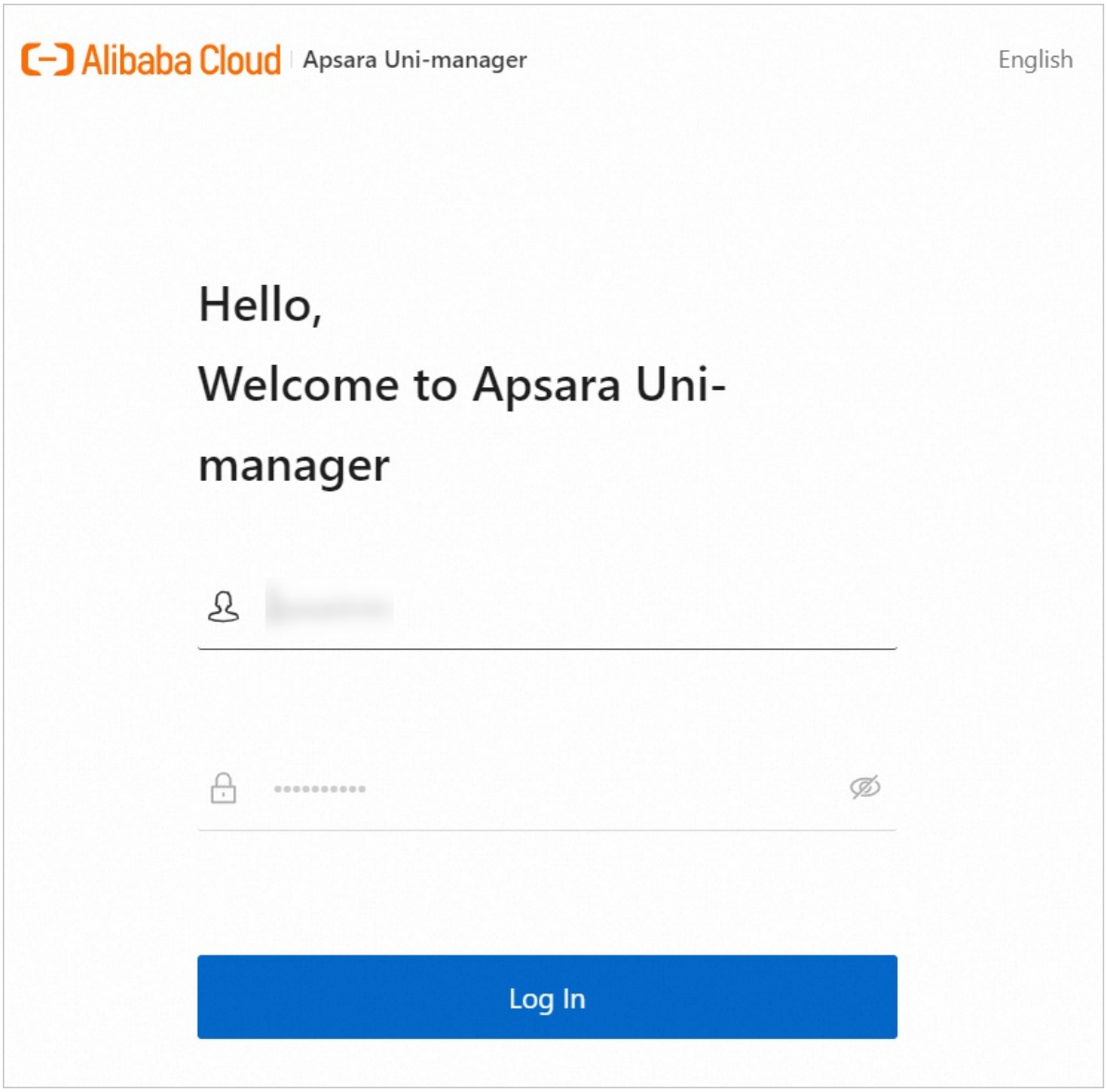
- The endpoint of the Apsara Uni-manager Operations Console and the username and password used to log on to the console are obtained from the deployment engineer or an administrator.

  The endpoint of the Apsara Uni-manager Operations Console is in the following format: *region-id*.ops.console.*intranet-domain-id*.

- A web browser. We recommend that you use Google Chrome.

Procedure

1. Open your browser.
2. In the address bar, enter the endpoint of the Apsara Uni-manager Operations Console. Press the Enter key.



> **Note**
>
> You can click the current language in the upper-right corner to switch to another language. Simplified Chinese, English, and Traditional Chinese are supported.

3. Enter your username and password.

> **Note**
>
> Obtain the username and password that are used to log on to the Apsara Uni-manager Operations Console from the deployment engineer or an administrator.

If you log on to the Apsara Uni-manager Operations Console for the first time, you must change the password of your username.

To enhance security, your password must meet the following requirements:

- The password contains uppercase and lowercase letters.
- The password contains digits.

- The password contains at least one of the following special characters: ! @ # $ %
- The password is 10 to 20 characters in length.

4. Click **Log On**.

4.2. Obtain a region ID

This topic describes how to obtain a region ID.

Background information

You must obtain a region ID before you call API operations of the Apsara Uni-manager Operations Console.

Procedure

1. Log on to the Apsara Uni-manager Operations Console.
2. On the left side of the top navigation bar, you can view the region ID.

4.3. Obtain the permissions required to call API operations

When you use the Apsara Uni-manager Operations Console SDK to call API operations, you must provide an account for authentication. This topic describes how to determine whether your account has the required permissions to call API operations.

The Apsara Uni-manager Operations Console SDK for Java supports AccessKey pair authentication. For more information about how to obtain an AccessKey pair, see Obtain an AccessKey pair.

However, not all Apsara Uni-manager Operations Console users have the permissions to call API operations. Only users who are granted certain roles can use their AccessKey pairs to call specific API operations. Users who are assigned the OAM super administrator role can call all API operations. For more information about how to create a custom role and how to view the preset roles, see the Roles section of User Permissions in Apsara Uni-manager Operations Console User Guide.

Apsara Uni-manager Operations Console

Module	API operation	Supported role
	GetIncidentAlertList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Alert events_Read-only and Alert events_Read/write
	GetMetricData	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Alert events_Read-only and Alert events_Read/write

Monitoring and alerting	ListAlertByUpdateTime	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Alert events_Read-only and Alert events_Read/write
	GetAlertList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Alert events_Read-only and Alert events_Read/write
	GetCpuMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetDiskMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetIoMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetLoadMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetMemMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write

	GetTrafficMetrics	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
Capacity management	GetOverview	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetSlbInventoryInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetEcsInventoryByCurrent	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetEcsInventoryList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetEcsInventoryByZoneId	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetVms	Preset roles: System Administrator and System Viewer
	GetEbsClusterTypeInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetNasInventoryInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write

	GetOssInventoryInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetOtsInnerInventoryInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetRdsInventoryInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetSlsInnerInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetPanguInventoryByClusterName	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetInventoryStat	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	GetIntegratedProductInventory	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
Inspections	InspectionGetTaskList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Inspections_Read-only and Inspections_Read/write
	InspectionGetTaskExecution	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Inspections_Read-only and Inspections_Read/write

	InspectionGetReport	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Inspections_Read-only and Inspections_Read/write
Platform products	GetProductListDetail	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetProductList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetProductVersion	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	DescribeProductStatus	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetClusterListByProductDetail	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetClusterListByProduct	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write

	GetClusters	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetServiceInstanceDetail	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetServerRoleList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetServerroleVersion	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetServiceRole	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetServerRoleMachinesDetail	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetMachineByIp	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write

Equipment assets	GetMachineByName	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetMachineListDetail	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetMachineList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetNetworkMachineByIp	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
	GetNetworkMachineByName	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Infrastructure Management basics_Read-only and Apsara Infrastructure Management basics_Read/write
Platform data	GetCurrentUserStats	Preset roles: System Administrator and System Viewer
	ListUsers	Preset roles: System Administrator and System Viewer

Network Operations Console

Module	API operation	Supported role

Network element management	GetSwitchInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetTopoInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	ListPorts	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	ListSwTotal	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetPortInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetXnetFlow	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetHardwareUtilization	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetPortTransPowerByName	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write

Networking services	AllSlbClusters	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetNodeList	System administrator, product DevOps personnel, network administrator, and network monitor of the Apsara Uni-manager Operations Console
	GetSlbLvsNodeStats	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetSlbLvsClusterStats	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetLbStats	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetSlbProxyClusterStats	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetSlbProxyNodeStats	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetXgwClusterList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write

	GetXgwClusterAll	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write
	GetXgwMachineList	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Network Operations Console_Read-only and Network Operations Console_Read/write

Storage Operations Console

Module	API operation	Supported role
Apsara Distributed File System O&M	GetPanguStorageCapacity	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Apsara Distributed File System_Read-only and Apsara Distributed File System_Read/write
CDS O&M	DescribeClusterCapacity	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions
	DescribeMetrics	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions
	DescribeStorageClusters	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions
	DescribeOssCluster	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions
	DescribeBlockClusters	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions
	DescribeHosts	Preset roles: System Administrator Custom roles with the CDS_Read-only permissions

ApsaraDB Operations and Maintenance System

Module	API operation	Supported role
RDS O&M	DescribeComboInventory	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	DescribeCustInsSlaveInfo	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	DescribeHostInfoByDbType	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write
	DescribeResourceInventory	Preset roles: System Administrator and System Viewer Custom roles with one or more permissions of Capacity_Read-only and Capacity_Read/write

Apsara Uni-manager Management Console

Module	API operation	Supported role
Platform data	GetCurrentUserStats	Preset roles: System Administrator and System Viewer

4.4. Obtain an AccessKey pair

This topic describes how to obtain an AccessKey ID and AccessKey secret.

Background information

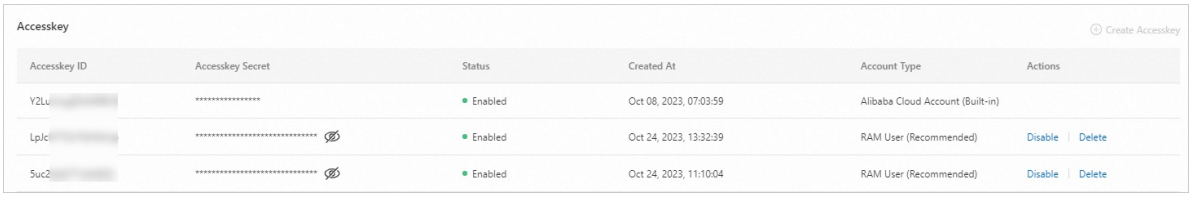
You must obtain an AccessKey pair before you call API operations of the Apsara Uni-manager Operations Console.

An AccessKey ID and an AccessKey secret are used to implement symmetric encryption and verify the identity of request senders. The AccessKey ID is used to identify a user and the AccessKey secret is a string that is used to encrypt the signature.

Procedure

1. Log on to the Apsara Uni-manager Operations Console.
2. On the right side of the top navigation bar, click the profile image.
3. Select **Personal information** from the drop-down list.

4. In the **Accesskey** section, you can view the AccessKey ID and AccessKey secret of the RAM user.



> **Note**
>
> - The AccessKey secret of **an Apsara Stack tenant account** cannot be displayed or used. Only the AccessKey secret of **a RAM user** can be displayed and used.
> - Only users who are assigned specific roles can use their AccessKey pairs to call specific API operations. For more information about the roles authorized to call specific API operations, see Obtain the permissions required to call API operations.

5. If no AccessKey pairs of RAM users are available, click **Create Accesskey** to obtain an AccessKey pair.

> **Note**
>
> You can create up to two AccessKey pairs for RAM users per account. The Create Accesskey button is automatically disabled after two AccessKey pairs are already created.

4.5. Obtain the service domain name

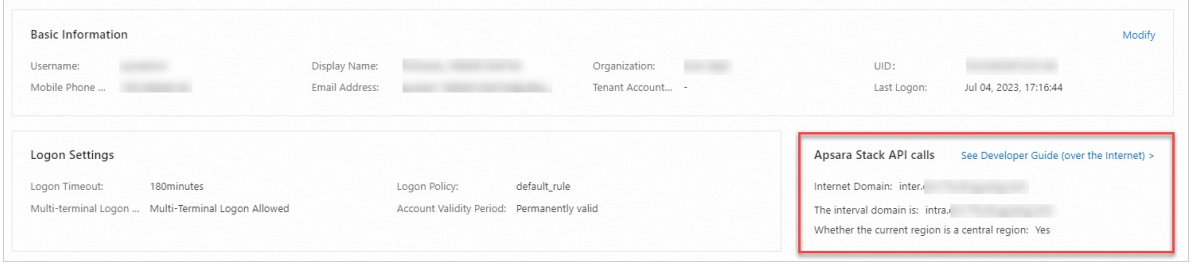
This topic describes how to obtain the service domain name of the Apsara Uni-manager Operations Console.

Background information

You must obtain the intranet and Internet domain names before you call API operations of the Apsara Uni-manager Operation Console.

Procedure

1. Log on to the Apsara Uni-manager Operations Console.
2. On the right side of the top navigation bar, click the profile image.
3. Select **Personal information** from the drop-down list.
4. You can view the intranet and Internet domain names in the **Apsara Stack API calls** section.



4.6. Test network connectivity

This topic describes how to test the network connectivity of machines on which you want to call API operations.

Prerequisites

- The Central Region ID and Local Region ID are obtained.
- The Internet domain name and intranet domain name are obtained.

Test methods

Apsara Uni-manager Operations Console

```
# The domain name of the cloud service in the Central Region.
aso-mgr-pop-ops.${internetDomain}
# The domain name of the cloud service in the Local Region.
aso-mgr-pop-ops.${region}.${internetDomain}
```

Examples

Run the ping or curl command to test the network connectivity of a cloud service that you want to access by calling an API.

```
curl http://aso-mgr-pop-ops.inter.demo.aliyun.com
curl http://aso-mgr-pop-ops.cn-region02-d02.inter.demo.aliyun.com
```

Network Operations Console

```
# The domain name of the cloud service in the Central Region.
full-link-pop.${intranetDomain}
# The domain name of the cloud service in the Local Region.
full-link-pop.${region}.${intranetDomain}
```

Examples

Run the ping or curl command to test the network connectivity of a cloud service that you want to access by calling an API.

```
curl http://full-link-pop.intra.demo.aliyun.com
curl http://full-link-pop.cn-region02-d02.intra.demo.aliyun.com
```

Storage Operations Console

```
# The domain name of CDS in the Central Region and the Local Region. CDS has the same d
omain name in the two regions.
cds-management-ops-pop.${region}.${internetDomain}
# The domain name of pgmon in the Central Region.
slalink-pgmon-pop.${intranetDomain}
# The domain name of pgmon in the Local Region.
slalink-pgmon-pop.${Local Region}.${intranetDomain}
```

Examples

Run the ping or curl command to test the network connectivity of a cloud service that you want to access by calling an API.

```
#cds
curl http://cds-management-ops-pop.cn-region01-d01.inter.demo.aliyun.com
curl http://cds-management-ops-pop.cn-region02-d02.inter.demo.aliyun.com
#pgmon
curl http://slalink-pgmon-pop.intra.demo.aliyun.com
curl http://slalink-pgmon-pop.cn-region02-d02.intra.demo.aliyun.com
```

Apsara Uni-manager Management Console

```
# The domain name of the cloud service in the Central Region.
ascm-ops.${internetDomain}
# The domain name of the cloud service in the Local Region.
ascm-ops.${Local Region}.${internetDomain}
```

Examples

Run the ping or curl command to test the network connectivity of a cloud service that you want to access by calling an API.

```
curl http://ascm-ops.inter.demo.aliyun.com
curl http://ascm-ops.cn-region02-d02.inter.demo.aliyun.com
```

Test results

Determine whether the network connection is normal based on the returned result.

- If the returned result contains "InvalidAction.NotFound" or "Specified api is not found. please check your url and method", it indicates that the network connection of the domain name is normal.
- If the returned result contains "Connection refused", it indicates that the network connection of the domain name failed. You must create an anyTunnel-type tunnel and set the port number to 80 or 443.
- The "Could not resolve host" or "nodename nor servname provided, or not known" error message in the returned result indicates that the domain name resolution failed. You must check the DNS configuration of your machine.

4.7. Obtain the ASO Console SDKs

When you call API operations of a cloud service in Apsara Stack by using the POP gateway, you must use an SDK. This topic describes how to obtain the ASO Console SDKs.

The ASO Console SDKs contain sample code and examples.

The SDK for Java is provided. For more information, see Alibaba Cloud SDKs.

We recommend that you use the SDK core library that is provided on the Alibaba Cloud official website. The SDK core library is shared by all cloud services and is compatible with Apsara Stack.

5.Call Examples for SDK for Java

5.1. Getting started

This topic describes how to obtain and use Apsara Uni-manager Operations Console SDK for Java.

Prepare the environment

- Create an Apsara Uni-manager Operations Console account with the required permissions and obtain an AccessKey pair. For more information, see Obtain an AccessKey pair.
- Obtain the endpoints of the Apsara Uni-manager Operations Console. For more information, see Obtain the service domain name.

  Install Java Development Kit (JDK) 1.8 or later.

Install Apsara Uni-manager Operations Console SDK for Java

If you use Apache Maven to manage Java projects, you only need to copy the content of the JAR file to the pom.xml file of the project.

To use Apsara Uni-manager Operations Console SDK for Java, you must install the SDK for Java core library, Gson, and Apsara Uni-manager Operations Console SDK for Java. We recommend that you use the SDK for Java core library 4.6.0 or later, Gson 2.9.1 or later, and the latest version of Apsara Uni-manager Operations Console SDK for Java. For more information, see Release notes for Apsara Uni-manager Operations Console SDK.

The following sample code provides an example on how to configure the pom.xml file:

```
<dependencies>
    <!--Required dependencies-->
    <dependency>
        <groupId>com.aliyun</groupId>
        <artifactId>aliyun-java-uni-sdk</artifactId>
        <version >${version number of the latest SDK}</version>
        <scope>system</scope>
        <systemPath>${project.basedir}/libs/aliyun-java-uni-sdk-${version number of the
latest SDK}.jar</systemPath>
    </dependency>
    <dependency>
        <groupId>com.aliyun</groupId>
        <artifactId>aliyun-java-sdk-core</artifactId>
        <version>4.6.0</version>
    </dependency>
    <dependency>
        <groupId>com.google.code.gson</groupId>
        <artifactId>gson</artifactId>
        <version>2.9.1</version>
    </dependency>
</dependencies>
```

Use Apsara Uni-manager Operations Console SDK for Java

To use Apsara Uni-manager Operations Console SDK for Java, perform the following steps:

1. Create a DefaultAcsClient instance and initiate it.
2. Create an API request and configure the required parameters.
3. Initiate the API request and process the response or exception.

   The following sample code provides an example on how to call the GetMachineListDetail operation:

```
import com.aliyun.apsarabase.unisdk.SdkManager;
import com.aliyuncs.DefaultAcsClient;
import com.aliyuncs.IAcsClient;
import com.aliyuncs.asoops.model.v20220118.GetMachineListDetailRequest;
import com.aliyuncs.asoops.model.v20220118.GetMachineListDetailResponse;
import com.aliyuncs.http.HttpClientConfig;
import com.aliyuncs.profile.DefaultProfile;

public class Example {
    public static void main(String[] args) {
        // Set the common parameters required to call the API operation.
        String region = "<your region>"; // Enter your region ID.
        String ak = "<your ak>"; // Enter the AccessKey ID of your account.
        String sk = "<your sk>"; // Enter the AccessKey secret of your account.
        String internetDomain = "<yourInternetDomain>";  // Enter your Internet domai
n.
        String intranetDomain = "<yourIntranetDomain>";  // Enter your intranet domai
n.
        boolean isCenterRegion = true;        // Specify whether your region is the Ce
ntral Region.
                                                          // If your application is d
ployed in only one region, set this parameter to true.
                                                          // If your application is d
ployed in multiple regions and the region is the Central Region, set this parameter t
o true.
                                                          // If your application is d
ployed in multiple regions and the region is a Local Region, set this parameter to fa
lse.
        String proxy = "<your proxy>"; // Specify the proxy information. This
parameter is optional.

        // Initialize the client.
        DefaultProfile profile = DefaultProfile.getProfile(region, ak, sk);
        // ======== Proxy information (Optional) ========
        HttpClientConfig httpClientConfig = HttpClientConfig.getDefault();
        httpClientConfig.setHttpProxy(proxy);
        profile.setHttpClientConfig(httpClientConfig);
        // ====== End of proxy information ========
        IAcsClient client = new DefaultAcsClient(profile);

        SdkManager sdkManager = new SdkManager(internetDomain, intranetDomain,
region, isCenterRegion);

        System.out.println("Start GetMachineListDetail Request");

        try {
```

```
            GetMachineListDetailRequest getMachineListDetailRequest =
sdkManager.getModel(GetMachineListDetailRequest.class);
            // ======== Set operation-specific parameters. Some parameters are
optional and others are required. ========
            getMachineListDetailRequest.setPageNum(1);
            getMachineListDetailRequest.setPageSize(10);
            // ======== End of parameter information ========
           GetMachineListDetailResponse getMachineListDetailResponse =
client.getAcsResponse(getMachineListDetailRequest);
            if (getMachineListDetailResponse != null &&
Boolean.TRUE.equals(getMachineListDetailResponse.getSuccess())) {
                // Specify the response if the API operation is called successfully.

System.out.println(getMachineListDetailResponse.getData().get(0).getHostName());
            } else {
                // Print the error message if an error occurs on the backend servers.
                System.out.println("GetMachineListDetail Request failed");
                if (getMachineListDetailResponse != null) {
                    System.out.println("Error code is: " +
getMachineListDetailResponse.getErrorCode());
                    System.out.println("Error message is: " +
getMachineListDetailResponse.getErrorMessage());
                } else {
                    System.out.println("Error getting GetMachineListDetail Response, r
esponse is null");
                }
            }
        } catch (Exception e) {
            // Print the error message if an error occurs on the client, gateways, or
backend servers.
            System.out.println("GetMachineListDetail Request failed");
            e.printStackTrace();
        }
    }
}
```

5.2. Use the SDK

5.2.1. Install Apsara Uni-manager Operations Console SDK for Java

This topic describes how to install and use the Apsara Uni-manager Operations Console SDK for Java.

Java Development Kit (JDK) 1.8 or later is installed. To use Apsara Uni-manager Operations Console SDK for Java, you must install the SDK for Java core library and the Apsara Uni-manager Operations Console SDK for Java.

1. We recommend that you use the SDK for Java core library (aliyun-java-sdk-core) 4.6.0 or later. You can install the core library by adding Maven dependencies or downloading the SDK. For more information, visit Alibaba Cloud SDKs.

2. You can download Apsara Uni-manager Operations Console SDK for Java (aliyun-java-uni-sdk) in the lower part of the Apsara Stack Help Center page.
3. We recommend that you use Gson 2.9.1 or later.

```
<dependencies>
    <!--Required dependencies-->
    <dependency>
        <groupId>com.aliyun</groupId>
        <artifactId>aliyun-java-uni-sdk</artifactId>
        <version >${version number of the latest SDK}</version>
        <scope>system</scope>
        <systemPath>${project.basedir}/libs/aliyun-java-uni-sdk-${version number of the
latest SDK}.jar</systemPath>
    </dependency>
    <dependency>
        <groupId>com.aliyun</groupId>
        <artifactId>aliyun-java-sdk-core</artifactId>
        <version>4.6.0</version>
    </dependency>
      <dependency>
        <groupId>com.google.code.gson</groupId>
        <artifactId>gson</artifactId>
        <version>2.9.1</version>
    </dependency>
</dependencies>
```

5.2.2. Initiate an API request

This topic describes how to use Apsara Uni-manager Operations Console SDK for Java to initiate an API request.

Procedure

1. Configure the pom.xml file.

   For more information about how to configure the pom.xml file, see Install Apsara Uni-manager Operations Console SDK for Java.

2. Initialize Apsara Uni-manager Operations Console SDK for Java by specifying the region and AccessKey pair of your account.

   Each account has a unique AccessKey pair that consists of an AccessKey ID and an AccessKey secret. Make sure that the account has the permissions to call the API operation. For more information about how to obtain an AccessKey pair, see Obtain an AccessKey pair. For more information about the required role permissions, see Permissions required to call API operations.

   ```
   String region = "<yourRegionID>"; // Enter your region ID.
   String ak = "<yourAccessKeyId>"; // Enter the AccessKey ID of your account.
   String sk = "<yourAccessKeySecret>"; // Enter the AccessKey secret of your account.
   DefaultProfile profile = DefaultProfile.getProfile(region, ak, sk);
   ```

3. (Optional) Configure connectivity settings, including the proxy.

   If you want to use a proxy server, you must configure the proxy. Assume that the IP address of the proxy is 10.0.0.0 and the port number is 54321. The following sample code provides an example on how to configure the proxy:

```
HttpClientConfig httpClientConfig = HttpClientConfig.getDefault();
httpClientConfig.setHttpProxy("http://10.0.0.0:54321");
profile.setHttpClientConfig(httpClientConfig);
```

4. Initialize IAcsClient.

```
IAcsClient client = new DefaultAcsClient(profile);
```

5. Initialize SDKManager.

   SDKManager is an Ingress gateway that receives all API requests sent from the Apsara Uni-manager Operations Console. The following parameters are required to initialize SDKManager: **internetDomain**, **intranetDomain**, **region**, and **isCenterRegion**.

   - For more information about the first three parameters, see Obtain a region ID and Obtain the service domain name.
   - Configure **isCenterRegion** based on your environment. If you set **region** to the central region, set **isCenterRegion** to true. Otherwise, set isCenterRegion to false.

```
String internetDomain = "<yourInternetDomain>";  // Enter your Internet domain.
String intranetDomain = "<yourIntranetDomain>";  // Enter your intranet domain.
boolean isCenterRegion = true;        // Specify whether your region is the Central R
egion.
                                                 // If your application is deployed in
only one region, set this parameter to true.
                                                 // If your application is deployed in
multiple regions and the current region is the Central Region, set this parameter to
true.
                                                 // If your application is deployed in
multiple regions and the current region is a Local Region, set this parameter to fals
e.
SdkManager sdkManager = new SdkManager(internetDomain, intranetDomain, region, isCent
erRegion);
```

6. Create an API request by using SDKManager.

   The request name must be in the ${apiName}Request format. Replace ${apiName} with the name of the API operation. Example: GetMachineListDetailRequest.

   If Apsara Uni-manager Operations Console SDK for Java includes API operations that belong to multiple services, the API requests may have identical class names. We recommend that you differentiate the identical requests based on package names.

```
GetMachineListDetailRequest getMachineListDetailRequest =
sdkManager.getModel(GetMachineListDetailRequest.class);
// ======== Configure operation-specific parameters. Some parameters are optional and
others are required. ========
getMachineListDetailRequest.setPageNum(1);
getMachineListDetailRequest.setPageSize(10);
// ======== End of parameter information ========
```

7. Initiate a request and handle exceptions.

   If a request fails, Apsara Uni-manager Operations Console SDK for Java or backend servers will return an error message. All the errors need to be handled manually.

   - Apsara Uni-manager Operations Console SDK for Java may return the following types of error messages: ServerException and ClientException. ServerException indicates a server error, and ClientException indicates a client error.

For example, if the following error message is returned, it indicates that the AccessKey ID is invalid. You must specify a valid AccessKey ID.

```
com.aliyuncs.exceptions.ClientException: InvalidAccessKeyId.NotFound : Specified access key is not found.
```

- To handle the errors that are returned by the backend servers, you must parse the responses.

  Apsara Uni-manager Operations Console

  For Apsara Uni-manager Operations Console 3.18.0 or later, the exception information is specified by the success, errorCode, and errorMessage parameters in the response. success is a Boolean expression that indicates whether the request succeeded or failed. errorCode and errorMessage are both strings that indicate the error code and error message, respectively. The following sample code shows how to handle exceptions returned by the GetMachineListDetail operation:

```
try {
    GetMachineListDetailRequest getMachineListDetailRequest =
sdkManager.getModel(GetMachineListDetailRequest.class);
    // ======== Configure operation-specific parameters. Some parameters are optional and others are required. ========
    getMachineListDetailRequest.setPageNum(1);
    getMachineListDetailRequest.setPageSize(10);
    // ======== End of parameter information ========
    GetMachineListDetailResponse getMachineListDetailResponse =
client.getAcsResponse(getMachineListDetailRequest);
    if (getMachineListDetailResponse != null &&
Boolean.TRUE.equals(getMachineListDetailResponse.getSuccess())) {
        // Specify the response if the API operation is called successfully.

System.out.println(getMachineListDetailResponse.getData().get(0).getHostName());
    } else {
        // Print the error message when an error occurs on the backend server.
        System.out.println("GetMachineListDetail Request failed");
        if (getMachineListDetailResponse != null) {
            System.out.println("Error code is: " +
getMachineListDetailResponse.getErrorCode());
            System.out.println("Error message is: " +
getMachineListDetailResponse.getErrorMessage());
        } else {
            System.out.println("Error getting GetMachineListDetail Response,
response is null");
        }
    }
} catch (Exception e) {
    // Print the error message when an error occurs on the client, gateways, or backend servers.
    System.out.println("GetMachineListDetail Request failed");
    e.printStackTrace();
}
```

Example

```
import com.aliyun.apsarabase.unisdk.SdkManager;
import com.aliyuncs.DefaultAcsClient;
```

```
import com.aliyuncs.IAcsClient;
import com.aliyuncs.asoops.model.v20220118.GetMachineListDetailRequest;
import com.aliyuncs.asoops.model.v20220118.GetMachineListDetailResponse;
import com.aliyuncs.http.HttpClientConfig;
import com.aliyuncs.profile.DefaultProfile;

public class Example {
    public static void main(String[] args) {
        // Set the common parameters required to call the API operation.
        String region = "<your region>"; // Enter your region ID.
        String ak = "<your ak>"; // Enter the AccessKey ID of your account.
        String sk = "<your sk>"; // Enter the AccessKey secret of your account.
        String internetDomain = "<yourInternetDomain>";  // Enter your Internet domain.
        String intranetDomain = "<yourIntranetDomain>";  // Enter your intranet domain.
        boolean isCenterRegion = true;        // Specify whether your region is the Central Region.
                                                                    // If your application is deployed in only one region, set this parameter to true.
                                                                    // If your application is deployed in multiple regions and the region is the Central Region, set this parameter to true.
                                                                    // If your application is deployed in multiple regions and the region is a Local Region, set this parameter to false.

        String proxy = "<your proxy>"; // Specify the proxy information. This parameter is optional.

        // Initialize the client.
        DefaultProfile profile = DefaultProfile.getProfile(region, ak, sk);
        // ======== Proxy information (Optional) ========
        HttpClientConfig httpClientConfig = HttpClientConfig.getDefault();
        httpClientConfig.setHttpProxy(proxy);
        profile.setHttpClientConfig(httpClientConfig);
        // ====== End of proxy information ========
        IAcsClient client = new DefaultAcsClient(profile);

        SdkManager sdkManager = new SdkManager(internetDomain, intranetDomain, region, isCenterRegion);

        System.out.println("Start GetMachineListDetail Request");

        try {
            GetMachineListDetailRequest getMachineListDetailRequest = sdkManager.getModel(GetMachineListDetailRequest.class);
            // ======== Set operation-specific parameters. Some parameters are optional and others are required. ========
            getMachineListDetailRequest.setPageNum(1);
            getMachineListDetailRequest.setPageSize(10);
            // ======== End of parameter information ========
           GetMachineListDetailResponse getMachineListDetailResponse = client.getAcsResponse(getMachineListDetailRequest);
            if (getMachineListDetailResponse != null && Boolean.TRUE.equals(getMachineListDetailResponse.getSuccess())) {
                // Specify the response if the API operation is called successfully.
```

```
System.out.println(getMachineListDetailResponse.getData().get(0).getHostName());
            } else {
                // Print the error message if an error occurs on the backend servers.
                System.out.println("GetMachineListDetail Request failed");
                if (getMachineListDetailResponse != null) {
                    System.out.println("Error code is: " +
getMachineListDetailResponse.getErrorCode());
                    System.out.println("Error message is: " +
getMachineListDetailResponse.getErrorMessage());
                } else {
                    System.out.println("Error getting GetMachineListDetail Response, res
ponse is null");
                }
            }
        } catch (Exception e) {
            // Print the error message if an error occurs on the client, gateways, or ba
ckend servers.
            System.out.println("GetMachineListDetail Request failed");
            e.printStackTrace();
        }
    }
}
```

6.Use Apsara Uni-manager Operations Console SDK for Python to call API operations

6.1. Getting started

This topic describes how to obtain and use Apsara Uni-manager Operations Console SDK for Python.

Prepare the environment

- Create an Apsara Uni-manager Operations Console account with the required permissions and obtain an AccessKey pair. For more information, see Obtain an AccessKey pair.
- Obtain the endpoints of the Apsara Uni-manager Operations Console. For more information, see Obtain the service domain name.

Install Apsara Uni-manager Operations Console SDK for Python

To call the API operations of Apsara Uni-manager, you must install the SDK for Python core library and Apsara Uni-manager Operations Console SDK for Python. We recommend that you use the SDK for Python core library 2.11.5 or later, and use the latest version of Apsara Uni-manager Operations Console SDK for Python. For more information about the latest version, see Release notes for Apsara Uni-manager Operations Console SDK. For more information about how to install the SDK for Python, see Install Apsara Uni-manager Operations Console SDK for Python.

Use Apsara Uni-manager Operations Console SDK for Python

To use Apsara Uni-manager Operations Console SDK for Python, perform the following steps:

1. Create and initialize an AcsClient instance.
2. Create an API request and set the required parameters.
3. Initiate the request and handle the response or exceptions.

   The following sample code provides an example on how to call the DescribeProductStatusRequest operation:

```
from aliyuncs.sdk_manager import UniSdk
from aliyunsdkcore.acs_exception.exceptions import ServerException, ClientException
from aliyunsdkcore.client import AcsClient
from aliyuncs.aliyunsdkasoops.request.v20220118.DescribeProductStatusRequest import D
escribeProductStatusRequest

def testUniSDK():
  interDomain="<yourInternetDomain>"
  intraDomain="<yourIntranetDomain>"
  region="<yourRegion>"
  isCenterRegion=True # Set this parameter based on the value of region.
  ak = "<yourAccessKeyId>"
  sk = "<yourAccessKeySecret>"
  client = AcsClient(ak=ak, secret=sk, region_id=region)
  sdkManager = UniSdk(interDomain=interDomain, intraDomain=intraDomain,
region=region, isCenterRegion=isCenterRegion)
  describeProductStatusInstance = sdkManager.get_class(DescribeProductStatusRequest)
  try:
    describeProductStatusInstance.set_project("aso")
    describeProductStatusResponse =
client.do_action_with_exception(describeProductStatusInstance)
    print(str(describeProductStatusResponse, encoding="utf-8"))
  except ServerException as e:
    print(str(e, encoding="utf-8")) # Specify the operation that you want to perform
when an error occurs. Example: print error messages.
  except ClientException as e:
    print(str(e, encoding="utf-8")) # Specify the operation that you want to perform
when an error occurs. Example: print error messages.

if __name__ == "__main__":
  testUniSDK()
```

6.2. Use the SDK

6.2.1. Install Apsara Uni-manager Operations Console SDK for Python

This topic describes how to install and use Apsara Uni-manager Operations Console SDK for Python.

Before you Install Apsara Uni-manager Operations Console SDK for Python, you must install Python 2.7 or later. To call the API operations of Apsara Uni-manager, you must install the SDK for Python core library and Apsara Uni-manager Operations Console SDK for Python.

1. We recommend that you use the SDK for Python core library (aliyun-python-sdk-core) 2.11.5 or later. You can install the core library by downloading the SDK on the Alibaba Cloud SDKs page or by running the following command:

   ```
   pip install aliyun-python-sdk-core
   ```

2. To install aliyun-python-uni-sdk, download the **Apsara Stack Enterprise Edition v3.18.1 ASO SDK package** in the lower part of the Apsara Stack Help Center page. If you installed pip, you can run the following command to install aliyun-python-uni-sdk.

```
pip install aliyun-python-uni-sdk-3.18.1.0.tar.gz
```

If you did not install pip, you can decompress the tar package and run a setup.py task by running the following commands:

```
tar -zxvf aliyun-python-uni-sdk-3.18.1.0.tar.gz
cd aliyun-python-uni-sdk-3.18.1.0
python setup.py install
```

6.2.2. Initiate an API request

This topic describes how to use Apsara Uni-manager Operations Console SDK for Python to initiate an API request.

Procedure

1. Install the SDK for Python on your computer. For more information, see Install Apsara Uni-manager Operations Console SDK for Python.
2. Initialize Apsara Uni-manager Operations Console SDK for Python by specifying the region and AccessKey pair of your account.

   Each account has a unique AccessKey pair that consists of an AccessKey ID and an AccessKey secret. Make sure that the account has the permissions to call the API operation. For more information about how to obtain an AccessKey pair, see Obtain an AccessKey pair. For more information about the required role permissions, see Permissions required to call API operations.

   ```
   region = "<yourRegion>" # Replace the value with the region ID.
   ak = "<yourAccessKeyId>" # Enter the AccessKey ID of your account.
   sk = "<yourAccessKeySecret>" # Enter the AccessKey secret of your account.
   ```

3. (Optional) Configure connectivity settings, including the proxy.

   If you want to use a proxy server, you must configure the proxy. Assume that the IP address of the proxy is 10.0.0.0 and the port number is 54321. The following sample code provides an example on how to configure the proxy:

   ```
   proxy = "http://10.0.0.0:54321"
   client = AcsClient(ak=ak, secret=sk, region_id=region, proxy={"http": proxy})
   ```

4. Create and initialize an AcsClient instance.

   If you already completed Step 3 and used the proxy information to initialize the client, skip this step.

   ```
   client = AcsClient(ak=ak, secret=sk, region_id=region)
   ```

5. Initialize SDKManager.

   SDKManager is an Ingress gateway that receives all API requests sent from the Apsara Uni-manager Operations Console. The following parameters are required to initialize the SDKManager: **internetDomain**, **intranetDomain**, **region**, and **isCenterRegion**.

   - For more information about the first three parameters, see Obtain a region ID and Obtain the service domain name.
   - Configure **isCenterRegion** based on your environment. If you set **region** to the central region, set isCenterRegion to **true**. Otherwise, set isCenterRegion to false.

```
interDomain="<yourInternetDomain>" # Enter your Internet domain.
intraDomain="<yourIntranetDomain>" # Enter your intranet domain.
isCenterRegion=True # Specify whether your region is the Central Region.
                  # If your application is deployed in only one region, set this param
eter to true.
                                    # If your application is deployed in multiple
regions and the current region is the Central Region, set this parameter to true.
                                    # If your application is deployed in multiple
regions and the current region is a Local Region, set this parameter to false.
sdk_manager = UniSdk(interDomain=interDomain, intraDomain=intraDomain, region=region,
isCenterRegion=isCenterRegion)
```

6. Create an API request by using SDKManager.

   The request name must be in the ${apiName}Request format. Replace ${apiName} with the name of the API operation. Example: DescribeProductStatusRequest.

   ```
   from aliyuncs.aliyunsdkasoops.request.v20220118.DescribeProductStatusRequest import D
   escribeProductStatusRequest
   describeProductStatusRequest = sdkmanager.get_class(DescribeProductStatusRequest)
   ```

   If Apsara Uni-manager Operations Console SDK for Python includes API operations that belong to multiple services, the API requests may have identical names. We recommend that you differentiate the identical request names by adding as to your code to generate new request names. Example of a new name: GetCurrentUserStatsAscmRequest.

   ```
   from aliyuncs.aliyunsdkascmops.request.v20220531.GetCurrentUserStatsRequest import Ge
   tCurrentUserStatsRequest as GetCurrentUserStatsAscmRequest
   getCurrentUserStatsAscmRequest = sdkmanager.get_class(GetCurrentUserStatsAscmRequest)
   ```

7. Initiate a request and handle exceptions.

   If a request fails, Apsara Uni-manager Operations Console SDK for Python or backend servers will return an error message. All the errors need to be handled manually.

   - Apsara Uni-manager Operations Console SDK for Python may return the following types of error messages: ServerException and ClientException. ServerException indicates a server error, and ClientException indicates a client error.

     For example, if the following error message is returned, it indicates that the AccessKey ID is invalid. You must specify a valid AccessKey ID.

     ```
     aliyunsdkcore.acs_exception.exceptions.ServerException: HTTP Status: 404 Error:Inva
     lidAccessKeyId.NotFound Specified access key is not found.
     ```

   - To handle the errors that are returned by the backend servers, you must parse the responses.

     Apsara Uni-manager Operations Console

     For Apsara Uni-manager Operations Console 3.18.0 or later, the exception information is specified by the success, errorCode, and errorMessage parameters in the response. success is a Boolean expression that indicates whether the request succeeded or failed. errorCode and errorMessage are both strings that indicate the error code and error message, respectively.

```
# Initiate a request and view the result.
describeProductStatusResponse =
client.do_action_with_exception(describeProductStatusInstance)
# Configure the required parameters.
describeProductStatusRequest.set_project("ASO")
print(str(describeProductStatusResponse, encoding="utf-8"))
```

Example

```
from aliyuncs.sdk_manager import UniSdk
from aliyunsdkcore.acs_exception.exceptions import ServerException, ClientException
from aliyunsdkcore.client import AcsClient
from aliyuncs.aliyunsdkasoops.request.v20220118.DescribeProductStatusRequest import Des
cribeProductStatusRequest

def testUniSDK():
  interDomain="<yourInternetDomain>"
  intraDomain="<yourIntranetDomain>"
  region="<yourRegion>"
  isCenterRegion=True # Set this parameter based on the value of region.
  ak = "<yourAccessKeyId>"
  sk = "<yourAccessKeySecret>"
  client = AcsClient(ak=ak, secret=sk, region_id=region)
  sdkManager = UniSdk(interDomain=interDomain, intraDomain=intraDomain, region=region,
isCenterRegion=isCenterRegion)
  describeProductStatusInstance = sdkManager.get_class(DescribeProductStatusRequest)
  try:
    describeProductStatusInstance.set_project("aso")
    describeProductStatusResponse =
client.do_action_with_exception(describeProductStatusInstance)
    print(str(describeProductStatusResponse, encoding="utf-8"))
  except ServerException as e:
    print(str(e, encoding="utf-8")) # Specify the operation that you want to perform wh
en an error occurs. Example: print error messages.
  except ClientException as e:
    print(str(e, encoding="utf-8")) # Specify the operation that you want to perform wh
en an error occurs. Example: print error messages.

if __name__ == "__main__":
  testUniSDK()
```

7.API Reference
7.1. Apsara Uni-manager Operations Console
7.1.1. Monitoring and alerting
7.1.1.1. GetIncidentAlertList

Queries a list of alerts.

1. The result of this operation is similar to that of the Alerts page on the Apsara Uni-manager Operations Console. You can refer to the Alerts page for the function of this operation.
2. For more information about how to understand the alert ID and alert information, see Alarm Reference in the Maintenance ASO section on the Help and Open Platform page. You can go to this page by clicking the Help documentation icon in the upper-right corner of the Apsara Uni-manager Operations Console.
3. Call this operation instead of the `GetAlertList` operation to query alerts.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/incident/api/alert/list HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
page	Integer	Query	No	1	The page number.
pageSize	Integer	Query	No	20	The number of entries per page.
keywords	String	Query	No	ecs	The alert keyword that is used for fuzzy search.
code	String	Query	No	CPUHigh	The alert code.
statusList	JSONARRAY	Query	No	0	The alert status. Valid values: • 0: not handled. • 1: processing. • 2: closed.
level	Integer	Query	No	1	The severity level of the alert. Valid values: • 1: P1. • 2: P2. • 3: P3. • 4: P4.
startTimeMin	Integer	Query	No	1920001300	The beginning of the time range to query alerts. This value is a UNIX timestamp representing the number of milliseconds that have elapsed since January 1, 1970, 00:00:00 UTC. Unit: seconds.
startTimeMax	Integer	Query	No	1920001300	The end of the time range to query alerts. This value is a UNIX timestamp representing the number of milliseconds that have elapsed since January 1, 1970, 00:00:00 UTC. Unit: seconds.

source	String	Query	No	tianjimon	The data source.
product	String	Query	No	aso	The product that triggered the alert.
orderByStartTimeAsc	Boolean	Query	No	true	Specifies whether to sort the alerts in ascending order based on the time when they are triggered.

The following items describe how to obtain specific alerts about physical servers:

- Disk status (damaged disk): Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `DiskBackplaneMonitor` or `SasRaidMonitor`.
- Fan status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `FanMonitor`.
- Power status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `PowerMonitor`.
- CPU status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `CPUMonitor`.
- Memory status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `MemoryMonitor`.
- Motherboard status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `BoardMonitor`.
- PCI status: Set code to `hardware_monitor_new`. In the returned result, find the data entry whose alertName is `hardware_monitor_new_alarm` and monitor is `PcieFlashMonitor`.
- NTP offset: Set code to `ntp_cluster_host`. In the returned result, find the data entry whose alertName is `host_ntp_sync_state_alarm`.

Apsara Distributed File System damaged disk: Set code to `check_pangu_disk_error`. In the returned result, find the data entry whose alertName is `check_pangu_disk_error`.

Response parameters

Parameter	Type	Example	Description
errorMessage	String	""	The error message.

data	Map	{"pageSize":"1","total":"42589","page":"1","totalPage":"42589","objectList":[{"shield":"false","cluster":"","checkInterval":"0","metricName":"base_base_meta_project_checker","code":"base_base_meta_project_checker","source":"bcc","type":"default","duration":"183463223","alarmCount":"3052","hostname":"docker010212012134","startTime":"2022-11-12T00:01:16.000+0000","id":"31360","product":"","handleUserName":"","level":"2","updateTime":"2022-11-14T02:58:38.000+0000","alarmName":"base_base_meta_project_checker","message":"base - base_base_meta_project_checker - warning - The Job: [mc_export] state is Failed!","lastAlarmTime":"2022-11-14T02:58:38.000+0000","serverRole":"","alarmRule":"","createTime":"2022-11-12T00:01:16.000+0000","service":"","endTime":"1970-01-01T00:00:00.000+0000","region":"cn-XX-XX-XX","currentValue":"","dimensions":[{"standard":"true","value":"docker0123456789","key":"hostname"},{"standard":"false","value":"tcheck","key":"source"}],"status":"0"}]}	The response.

cost	Long	30	The time spent on querying alerts. Unit: milliseconds.
errorCode	String	""	The error code.
success	Boolean	true	Indicates whether the call was successful. Valid values: • true. • false.
eagleEyeTraceId	String	0acd10a616545993190765214d002a	The EagleEye ID.
msg	String	""	The error message.
errorStack	String	""	The stack where the error occurred.
version	String	v1	The version of the API on Apsara Uni-manager Operations Console.

code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	""	The error message.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-emergency.Incident#	The service role.
path	String	/aso/incident/api/alert/list	The URL of the API.
responseVersion	String	v1	The version of the response format.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

The data parameter includes the following fields:

- totalPage: the total number of returned pages.
- pageSize: the number of entries per page.
- total: the total number of returned alerts.
- page: the page number.
- objectList: the returned alerts.
  - id: the alert ID.
  - startTime: the time when the alert was triggered.
  - endTime: the time when the alert was closed.
  - duration: the duration of the alert.
  - message: the alert message.
  - code: the alert code.

- metricName: the metric name.
- metricProject: the monitoring project.
- alarmName: the alert name.
- alarmRule: the rule that describes how the alert is triggered.
- currentValue: the current value of the metric.
- source: the alert source.
- type: the type of the alert.
- dimensions: the metric dimensions.
  - key: the dimension key.
  - value: the dimension value.
  - standard: indicates whether the dimension is a standard dimension.
- level: the severity level of the alert. The values 1 to 4 indicate P1 to P4.
- status: the status of the alert. Valid values: 0, 1, and 2. 0 indicates that the alert is not handled, 1 indicates that the alert is being processed, and 2 indicates that the alert is closed.
- alarmCount: the number of alerts.
- handleUserName: the user who handled the alert.
- shield: indicates whether the alert is blocked.
- region: the region ID.
- product: the product that triggered the alert.
- cluster: the cluster that triggered the alert.
- service: the service that triggered the alert.
- hostname: the hostname.
- checkInterval: the time interval at which the system checks for alerts.
- lastAlarmTime: the last time when an alert was triggered.
- updateTime: the time when the alert information was updated.
- description: the description of the alert.

Examples

Sample requests

```
GET /openapi/popResource/aso/incident/api/alert/list HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "msg":"\"\"",
 "eagleEyeTraceId":"0acd10a616545993190765214d002a",
 "cost":30,
 "code":"200",
 "data":{
```

```
  "total":"42589",
  "totalPage":"42589",
  "pageSize":"1",
  "page":"1",
  "objectList":[
   {
    "shield":"false",
    "cluster":"",
    "checkInterval":"0",
    "metricName":"base_base_meta_project_checker",
    "code":"base_base_meta_project_checker",
    "source":"bcc",
    "type":"default",
    "duration":"183463223",
    "alarmCount":"3052",
    "hostname":"docker010212012134",
    "startTime":"2022-11-12T00:01:16.000+0000",
    "id":"31360",
    "product":"",
    "handleUserName":"",
    "level":"2",
    "updateTime":"2022-11-14T02:58:38.000+0000",
    "alarmName":"base_base_meta_project_checker",
    "message":"base - base_base_meta_project_checker - warning - The Job: [mc_export ]
state is Failed!",
    "lastAlarmTime":"2022-11-14T02:58:38.000+0000",
    "serverRole":"",
    "alarmRule":"",
    "createTime":"2022-11-12T00:01:16.000+0000",
    "service":"",
    "endTime":"1970-01-01T00:00:00.000+0000",
    "region":"cn-XX-XX-XX",
    "currentValue":"",
    "dimensions":[
     {
      "standard":"true",
      "value":"docker0123456789",
      "key":"hostname"
     },
     {
      "standard":"false",
      "value":"tcheck",
      "key":"source"
     }
    ],
    "status":"0"
   }
  ]
 },
 "errorMessage":"\"\"",
 "errorCode":"\"\"",
 "message":"\"\"",
 "version":"v1",
 "successResponse":true,
```

```
 "serverRole":"aso-emergency.Incident#",
 "path":"/aso/incident/api/alert/list",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "errorStack":"\"\""
}
```


ASO

2022-01-18

GetIncidentAlertList

7.1.1.1.1. Supplementary details on GetIncidentAlertList

This topic provides supplementary details on the request and response parameters of the `GetIncidentAlertList` operation.

> **Note**
>
> - Multiple key-value pairs may be returned for $.data.objectList[*].dimensions[*]. The following table describes the key-value pair that matches each alert item. N/A indicates any key-value pair.
> - For more information about the alert ID and alert information, see Alarm Reference in the Maintenance ASO section on the Help and Open Platform page. You can find the page by clicking the Help documentation icon in the upper-right corner of the Apsara Uni-manager Operations Console.

Alert item	Code parameter value	Value of $.data.objectList[*].dimensions[*].key	Value of $.data.objectList[*].dimensions[*].value
High CPU temperature			CPUMonitor
Abnormal motherboard voltage			BoardMonitor
Memory ECC error			MemoryMonitor
Number of hard disk media exceptions ≥ 100			DiskError

Input packet receiving error rate of the network interface controller (NIC) > 1/100000	hardware_monitor_new_alarm	monitor	NetworkCableMonitor
NIC flapping			NetworkCableMonitor
Power outage			PowerMonitor
RAID controller failure			RaidCard
Hard disk media exception			DiskError
High NVMe SSD temperature			PcieFlashMonitor
RAID controller restart or exception			SasRaidMonitor
Fan speed < 1,000 RPM			FanMonitor
NTP offset	host_ntp_sync_state_alarm	N/A	N/A
Damaged disk of Apsara Distributed File System	check_pangu_disk_error	N/A	N/A

7.1.1.2. GetMetricData

Queries monitoring data.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/incident/api/metric/getMetricData HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
metricProject	String	Query	Yes	tjm_tianji	The monitoring project.
metricName	String	Query	Yes	cpu_host	The metric name.
startTime	Long	Query	Yes	1654582166000	The beginning of the time range to query. Unit: milliseconds.
endTime	Long	Query	Yes	1654582166000	The end of the time range to query. Unit: milliseconds.
period	Integer	Query	Yes	600	The monitoring period for which data is queried. Unit: seconds.
dimensions	String	Query	Yes	{"host": "d22XXXX.XXX.XXX.XXX"}	Dimensions of the metric in the JSON format.

The following code block shows an example of how to specify the key-value pairs of dimensions:

```
Map<String, String> dimensionsMap = new HashMap<>();
dimensionsMap.put("cluster", "ECS-IO8XXX-X-XXXX");
dimensionsMap.put("host", "d22XXX.cloud.XXX.amtestXXX");
String dimensions = JSON.toJSONString(dimensionsMap);
getMetricDataRequest.setDimensions(dimensions);
...
```

For more information about the key-value pairs that can be set in `dimensionsMap` , see the Supplementary details on GetMetricData topic.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_INCIDENT_SYSTEM_ERROR	The error code.
errorMessage	String	Response error caused by: query tianjimon error, code=400	The error message.
data	Map	{"size":"1","datapoints":[{"util_max":"1.1","hirq_avg":"0.0","sys_avg":"0.4333333333333333","sirq_avg":"0.0","wait_avg":"0.09999999999999999","util_avg":"0.8666666666666667","user_max":"0.5","hirq_max":"0.0","host":"d22i0XX.XXX.XXX.XXX","sirq_max":"0.0","sys_max":"0.6","user_avg":"0.4222222222222222","wait_max":"0.1","timestamp":"1654582200000"}],"total":"1"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
errCode	String	failed	The error code.

success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
eagleEyeTraceId	String	0acd18e316545993193995236d0029	The EagleEye ID.
errMessage	String	""	The error message. An empty string is returned if the request is successful.
errTitle	String	""	The title of the error message.
requestURI	String	/aso/incident	The request path.
responseVersion	String	v1	The version of the response format.
serviceRole	String	""	The service role.
code	String	500	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-emergency.Incident#	The service role.
path	String	/aso/incident/api/metric/getMetricData	The URL of the API.
errorTitle	String	Response error	The title of the error message.

requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/incident/api/metric/getMetricData HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0acd18e31654599319399523 6d0029",
 "cost":30,
 "code":"500",
 "data":{
  "datapoints":[
   {
    "util_max":"1.1",
    "hirq_avg":"0.0",
    "sys_avg":"0.4333333333333333",
    "sirq_avg":"0.0",
    "wait_avg":"0.09999999999999999",
    "util_avg":"0.8666666666666667",
    "user_max":"0.5",
    "hirq_max":"0.0",
    "host":"d22i0XX.XXX.XXX.XXX",
    "sirq_max":"0.0",
    "sys_max":"0.6",
    "user_avg":"0.4222222222222222",
    "wait_max":"0.1",
    "timestamp":"1654582200000"
   }
  ],
  "total":"1",
  "size":"1"
 },
 "errTitle":"\"\"",
 "serviceRole":"\"\"",
 "errorMessage":"Response error caused by: query tianjimon error, code=400",
 "errorCode":"ASO_INCIDENT_SYSTEM_ERROR",
 "requestURI":"/aso/incident ",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-emergency.Incident#",
 "path":"/aso/incident/api/metric/getMetricData",
 "responseVersion":"v1",
 "errCode":"failed",
 "success":true,
 "errorTitle":"Response error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "errMessage":"\"\""
}
```


ASO

2022-01-18

GetMetricData

7.1.1.2.1. Supplementary details on GetMetricData

This topic provides supplementary details on the request and response parameters of the `GetMetricData` operation.

1. In this topic, `metricProject` is set to tjm_tianji.
2. The following table describes the settings of other parameters.

Metric	metricName	Key of dimensions (in the JSON format)	Minimum value of period	Key of the field in the $.data.data points array	Description	Unit
Status of processes on the host	check_task_host	cluster host	60	state	Indicates whether the query request was successful. Valid values: 0 and 1. 0 indicates that the query request was successful. 1 indicates that the query request failed. fail	
				thread_usage	The thread utilization of the host.	%

				z_count	The number of zombie processes.	N/A
				d_count	The number of defunc processes.	N/A
				pid_usage	The PID utilization of the host.	%
DNS status of the host	check_dns_host	cluster host	60	state	Indicates whether the query request was successful. Valid values: 0 and 1. 0 indicates that the query request was successful. 1 indicates that the query request failed. fail	
				dns_state	The DNS status.	

Disk mounting status	check_mount_host	cluster host	60	state	Indicates whether the query request was successful. Valid values: 0 and 1. 0 indicates that the query request was successful. 1 indicates that the query request failed. fail	
				mount_state	The disk mounting status.	
				mount_point_state	Indicates whether the mount point is read-only.	
	check_kernel_host	cluster host	60	cluster	The cluster name.	
				host	The physical host name.	

Kernel out-of-memory (OOM) error check status				state	Indicates whether the query request was successful. Valid values: 0 and 1. 0 indicates that the query request was successful. 1 indicates that the query request failed. fail	
				kernel_state	The kernel status.	
Network connection status of the host	check_network_host	cluster host	60	state	Indicates whether the query request was successful. Valid values: 0 and 1. 0 indicates that the query request was successful. 1 indicates that the query request failed. fail	
				close_wait_count	The number of Transmission Control Protocol (TCP) connections in the CLOSE_WAIT state.	N/A

System load of the host	load_host	cluster host	60	host	The physical host name.	
				load1_avg	The average system load over the previous minute.	%
				load1_max	The maximum system load over the previous minute.	%
				load5_avg	The average system load over the previous 5 minutes.	%
				load5_max	The maximum system load over the previous 5 minutes.	%
				load15_avg	The average system load over the previous 15 minutes.	%

				load15_max	The maximum system load over the previous 15 minutes.	%
CPU utilization of the host	cpu_host	cluster host	60	host	The physical host name.	
				user_avg	The average amount of time that the CPU ran in the user state.	0
				sys_avg	The average amount of time that the CPU ran in the kernel state.	0
				wait_avg	The average amount of time spent on an I/O wait.	0
				hirq_avg	The average amount of time that the CPU spent processing hardware interrupt requests.	0

				sirq_avg	The average amount of time that the CPU spent processing software interrupt requests.	0
				util_avg	The average CPU utilization.	0
				util_max	The maximum CPU utilization.	0
				host	The physical host name.	
				used_avg	The average used memory.	KiB
				used_max	The maximum used memory.	KiB
				buff_avg	The average buffer memory.	KiB
				buff_max	The maximum buffer memory.	KiB
				cach_avg	The average cache memory.	KiB

Memory utilization of the host	memo_host	cluster host	60	cach_max	The maximum cache memory.	KiB
				total_avg	The average memory.	KiB
				total_max	The maximum memory.	KiB
				util_avg	The average memory utilization. Memory utilization is calculated based on the following formula: Memory utilization = (Total memory - Free memory - Buffer memory - Cache memory) / Total memory × 100%.	0

				util_max	The maximum CPU utilization. Memory usage is calculated based on the following formula: Memory utilization = (Total memory - Free memory - Buffer memory - Cache memory) / Total memory × 100%.	0
				host	The physical host name.	
				partition	The partition name.	

Disk utilization of the host	disk_host	cluster host partition	60	free_avg	The average size of idle partitions in the disk.	Bytes
				free_max	The maximum size of idle partitions in the disk.	Bytes
				used_avg	The average size of occupied partitions in the disk.	Bytes
				used_max	The maximum size of occupied partitions in the disk.	Bytes
				totl_avg	The average size of partitions in the disk.	Bytes
				totl_max	The maximum size of partitions in the disk.	Bytes
				util_avg	The average space utilization of partitions in the disk.	0

util_max	The maximum space utilization of partitions in the disk.	0
ifree_avg	The average number of idle inodes.	N/A
ifree_max	The maximum number of idle inodes.	N/A
itotl_avg	The average number of inodes.	N/A
itotl_max	The maximum number of inodes.	N/A
iused_avg	The average number of used inodes.	N/A
iused_max	The maximum number of used inodes.	N/A
iutil_avg	The average inode usage.	%
iutil_max	The maximum inode usage.	%

Network traffic of the host	traffic_host	cluster host	60	host	The physical host name.	
				ifin_avg	The average inbound network interface controller (NIC) traffic.	Byte/s
				ifin_max	The maximum inbound NIC traffic.	Byte/s
				ifout_avg	The average outbound NIC traffic.	Byte/s
				ifout_max	The maximum outbound NIC traffic.	Byte/s
				pktin	The packet reception rate of NICs.	pps
				pktout	The packet transmission rate of NICs.	pps
				pkterr_avg	The average packet error rate of NICs.	pps
				pkterr_max	The maximum packet error rate of NICs.	pps

				pktdrp_avg	The average packet loss rate of NICs.	pps
				pktdrp_max	The maximum packet loss rate of NICs.	pps
				host	The physical host name.	
				_TCP	The number of TCP connections.	N/A
				_TCP_avg	The average number of TCP connections.	N/A
				_TCP_max	The maximum number of TCP connections.	N/A
				_estab	The number of TCP connections that are established.	N/A
				_estab_max	The maximum number of TCP connections that are established.	N/A

TCP connections of the host	tcp_conns_host	cluster host	60	_estab_sum	The total number of TCP connections that are established on all hosts.	N/A
				_estab_avg	The average number of TCP connections that are established.	N/A
				_synrecv	The number of TCP connections that are in the SYNCRECEIVE state.	N/A
				_synrecv_avg	The average number of TCP connections that are in the SYNCRECEIVE state.	N/A
				_closed	The number of closed TCP connections.	N/A
				_closed_max	The maximum number of closed TCP connections.	N/A

_closed_sum	The total number of closed TCP connections of all hosts.	N/A
_closed_avg	The average number of closed TCP connections.	N/A
_timewait	The number of TCP connections in the TIME_WAIT state.	N/A
_timewait_max	The maximum number of TCP connections in the TIME_WAIT state.	N/A
_timewait_sum	The total number of TCP connections in the TIME_WAIT state of all hosts.	N/A
_timewait_avg	The average number of TCP connections in the TIME_WAIT state.	N/A
_ports	The number of ports.	N/A

				_ports_avg	The average number of ports.	N/A
				_ports_max	The maximum number of ports.	N/A
TCP traffic status of the host	tcp_host	cluster host	60	host	The physical host name.	
				active_avg	The average number of actively opened TCP connections.	N/A
				pasive_avg	The average number of passively opened TCP connections.	N/A
				EstReset_avg	The average number of TCP resets.	N/A
				retran_avg	The average TCP retransmission rate.	%
				host	The physical host name.	

disk	The disk name. Examples: sda, sdg, and sdb.	
util_avg	The average percentage of the CPU time that is taken to make I/O requests to the device to the total CPU time (bandwidth utilization of the device).	%
util_max	The maximum percentage of the CPU time that is taken to make I/O requests to the device to the total CPU time (bandwidth utilization of the device).	%
rrqms_avg	The average number of merged read requests sent to the device per second.	N/A
rrqms_max	The maximum number of merged read requests sent to the device per second.	N/A

Disk I/O usage of the host	io_host	cluster host disk	60	wrqms_avg	The average number of merged write requests sent to the device per second.	N/A
				wrqms_max	The maximum number of merged write requests sent to the device per second.	N/A
				rs_avg	The average number of read requests sent to the device per second.	N/A
				rs_max	The maximum number of read requests sent to the device per second.	N/A
				ws_avg	The average number of write requests sent to the device per second.	N/A

ws_max	The maximum number of write requests sent to the device per second.	N/A
rsecs_avg	The average number of sectors read from the device per second.	N/A
rsecs_max	The maximum number of sectors read from the device per second.	N/A
wsecs_avg	The average number of sectors written to the device per second.	N/A
wsecs_max	The maximum number of sectors written to the device per second.	N/A
rqsize_avg	The average size of requests sent to the device.	KB

rqsize_max	The maximum size of requests sent to the device.	KB
qusize_avg	The average queue length of requests sent to the device.	N/A
qusize_max	The maximum queue length of requests sent to the device.	N/A
await_avg	The average latency per device I/O operation.	ms
await_max	The maximum latency per device I/O operation.	ms
svctm_avg	The average service time to make I/O requests to the device.	ms
svctm_max	The maximum service time per device I/O operation.	ms

Network Time Protocol (NTP) time synchronization status	ntp_host	cluster host	60	host	The physical host name.	
				_sync	Indicates whether to synchronize time with the NTP server. Valid values: 0 and 1. 0 indicates that time synchronization is disabled. 1 indicates that time synchronization is enabled.	
				_offset[The offset depends on the value of _sync. If the value of _sync is 1, the offset will only be 0.]	The offset between the time of the host and the time of the NTP server.	ms
				cluster	The cluster name.	
				load1_avg	The average system load over the previous minute.	0
				load1_max	The average system load over the previous minute.	0

System load of the cluster	load_cluster	cluster	60	load5_avg	The average system load over the previous 5 minutes.	0
				load5_max	The maximum system load over the previous 5 minutes.	0
				load15_avg	The average system load over the previous 15 minutes.	0
				load15_max	The maximum system load over the previous 15 minutes.	0
				cluster	The cluster name.	
				user_avg	The average amount of time that the CPU ran in the user state.	0
				sys_avg	The average amount of time that the CPU ran in the kernel state.	0

CPU utilization of the cluster	cpu_cluster	cluster	60	wait_avg	The average amount of time spent on an I/O wait.	0
				hirq_avg	The average amount of time that the CPU spent processing hardware interrupt requests.	0
				sirq_avg	The average amount of time that the CPU spent processing software interrupt requests.	0
				util_avg	The average CPU utilization.	0
				util_max	The maximum CPU utilization.	0
				cluster	The cluster name.	
				used_avg	The average used memory.	KiB
				used_max	The maximum used memory.	KiB

Memory utilization of the cluster	memo_cluster	cluster	60	buff_avg	The average buffer memory.	KiB
				buff_max	The maximum buffer memory.	KiB
				cach_avg	The average cache memory.	KiB
				cach_max	The maximum cache memory.	KiB
				total_avg	The average memory.	KiB
				total_max	The maximum memory.	KiB
				util_avg	The average memory utilization. Memory utilization is calculated based on the following formula: Memory utilization = (Total memory - Free memory - Buffer memory - Cache memory) / Total memory × 100%.	%

				util_max	The maximum CPU utilization. Memory usage is calculated based on the following formula: Memory utilization = (Total memory - Free memory - Buffer memory - Cache memory) / Total memory × 100%.	%
				cluster	The cluster name.	
				partition	The partition name.	
				free_avg	The average size of idle partitions in the disk.	Bytes
				free_max	The maximum size of idle partitions in the disk.	Bytes
				used_avg	The average size of occupied partitions in the disk.	Bytes

Disk usage of the cluster	disk_cluster	cluster partition	60	used_max	The maximum size of occupied partitions in the disk.	Bytes
				totl_avg	The average size of partitions in the disk.	Bytes
				totl_max	The maximum size of partitions in the disk.	Bytes
				util_avg	The average space utilization of partitions in the disk.	%
				util_max	The maximum space utilization of partitions in the disk.	%
				ifree_avg	The average number of idle inodes.	N/A
				ifree_max	The maximum number of idle inodes.	N/A
				itotl_avg	The average number of inodes.	N/A

				itotl_max	The maximum number of inodes.	N/A
				iused_avg	The average number of used inodes.	N/A
				iused_max	The maximum number of used inodes.	N/A
				iutil_avg	The average inode utilization.	%
				iutil_max	The maximum inode utilization.	%
				cluster	The cluster name.	
				ifin_avg	The average inbound NIC traffic.	Byte/s
				ifin_max	The maximum inbound NIC traffic.	Byte/s
				ifout_avg	The average outbound NIC traffic.	Byte/s
				ifout_max	The maximum outbound NIC traffic.	Byte/s

Network traffic of the cluster	traffic_cluster	cluster	60	pktin	The packet reception rate of NICs.	pps
				pktout	The packet transmission rate of NICs.	pps
				pkterr_avg	The average packet error rate of NICs.	pps
				pkterr_max	The maximum packet error rate of NICs.	pps
				pktdrp_avg	The average packet loss rate of NICs.	pps
				pktdrp_max	The maximum packet loss rate of NICs.	pps
				cluster	The cluster name.	
				_TCP	The number of TCP connections.	N/A
				_TCP_avg	The average number of TCP connections.	N/A

_TCP_max	The maximum number of TCP connections.	N/A
_estab	The number of TCP connections that are established.	N/A
_estab_max	The maximum number of TCP connections that are established.	N/A
_estab_sum	The total number of TCP connections that are established.	N/A
_estab_avg	The average number of TCP connections that are established.	N/A
_synrecv	The number of TCP connections that are in the SYNCRECEIVE state.	N/A

TCP connections of the cluster	tcp_conns_cluster	cluster	60	_synrecv_avg	The average number of TCP connections that are in the SYNCRECEIVE state.	N/A
				_closed	The number of closed TCP connections.	N/A
				_closed_max	The maximum number of closed TCP connections.	N/A
				_closed_sum	The total number of closed TCP connections.	N/A
				_closed_avg	The average number of closed TCP connections.	N/A
				_timewait	The number of TCP connections in the TIME_WAIT state.	N/A
				_timewait_max	The maximum number of TCP connections in the TIME_WAIT state.	N/A

				_timewait_sum	The total number of TCP connections in the TIME_WAIT state.	N/A
				_timewait_avg	The average number of TCP connections in the TIME_WAIT state.	N/A
				_ports	The number of ports.	N/A
				_ports_avg	The average number of ports.	N/A
				_ports_max	The maximum number of ports.	N/A
TCP traffic status of the cluster	tcp_cluster	cluster	60	cluster	The cluster name.	
				active_avg	The average number of actively opened TCP connections.	N/A
				pasive_avg	The average number of passively opened TCP connections.	N/A

				EstReset_avg	The average number of TCP resets.	N/A
				retran_avg	The average TCP retransmission rate.	%
				cluster	The cluster name.	
				disk	The disk name. Examples: sda, sdg, and sdb.	
				util_avg	The average percentage of the CPU time that is taken to make I/O requests to the device to the total CPU time (bandwidth utilization of the device).	%
				util_max	The maximum percentage of the CPU time that is taken to make I/O requests to the device to the total CPU time (bandwidth utilization of the device).	%

rrqms_avg	The average number of merged read requests sent to the device per second.	N/A
rrqms_max	The maximum number of merged read requests sent to the device per second.	N/A
wrqms_avg	The average number of merged write requests sent to the device per second.	N/A
wrqms_max	The maximum number of merged write requests sent to the device per second.	N/A

Disk I/O usage of the cluster	io_cluster	cluster disk	60	rs_avg	The average number of read requests sent to the device per second.	N/A
				rs_max	The maximum number of read requests sent to the device per second.	N/A
				ws_avg	The average number of write requests sent to the device per second.	N/A
				ws_max	The maximum number of write requests sent to the device per second.	N/A
				rsecs_avg	The average number of sectors read from the device per second.	N/A
				rsecs_max	The maximum number of sectors read from the device per second.	N/A

wsecs_avg	The average number of sectors written to the device per second.	N/A
wsecs_max	The maximum number of sectors written to the device per second.	N/A
rqsize_avg	The average size of requests sent to the device.	KB
rqsize_max	The maximum size of requests sent to the device.	KB
qusize_avg	The average queue length of requests sent to the device.	N/A
qusize_max	The maximum queue length of requests sent to the device.	N/A

				await_avg	The average latency per device I/O operation.	ms
				await_max	The maximum latency per device I/O operation.	ms
				svctm_avg	The average service time to make I/O requests to the device.	ms
				svctm_max	The maximum service time per device I/O operation.	ms
CPU utilization of the Docker instance	docker_cpu_usage	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	

				cpu_usage_min	The minimum CPU utilization.	%
				cpu_usage_max	The maximum CPU utilization.	%
				cpu_usage_avg	The average CPU utilization.	%
				cpu_util_avg	The CPU utilization.	%
System-mode CPU utilization of the Docker instance	docker_cpu_system	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				cpu_system_min	The minimum system-mode CPU utilization.	%

				cpu_system_max	The maximum system-mode CPU utilization.	%
				cpu_system_avg	The average system-mode CPU utilization.	%
User-mode CPU utilization of the Docker instance	docker_cpu_user	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				cpu_user_min	The minimum user-mode CPU utilization.	%
				cpu_user_max	The maximum user-mode CPU utilization.	%

				cpu_user_avg	The average user-mode CPU utilization.	%
Memory usage of the Docker instance	docker_memory_max	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				memory_max_min	The lowest maximum memory usage.	Bytes
				memory_max_max	The highest maximum memory usage.	Bytes
				memory_max_avg	The average maximum memory usage.	Bytes
				cluster	The cluster name.	
				hostname	The hostname.	

Memory usage of the Docker instance	docker_memory_used	cluster hostname serverRole app dockerName	60	serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				memory_used_min	The minimum memory usage.	Bytes
				memory_used_max	The maximum memory usage.	Bytes
				memory_used_avg	The average memory usage.	Bytes
Memory limit of the Docker instance	docker_memory_limit		60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	

		cluster hostname serverRole app dockerName		dockerName	The Docker name.	
				memory_limit_min	The minimum memory limit.	Bytes
				memory_limit_max	The maximum memory limit.	Bytes
				memory_limit_avg	The average memory limit.	Bytes
Memory utilization of the Docker instance	docker_memory_util	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				memory_util_min	The minimum memory utilization.	%
				memory_util_max	The maximum memory utilization.	%

				memory_util_avg	The average memory utilization.	%
Number of memory errors on the Docker instance	docker_memory_failcnt	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				memory_failcnt_min	The minimum number of memory errors.	N/A
				memory_failcnt_max	The maximum number of memory errors.	N/A
				memory_failcnt_avg	The average number of memory errors.	N/A
				cluster	The cluster name.	
				hostname	The hostname.	

tianji Disk I/O read rate of the Docker instance	docker_io_read_speed	cluster hostname serverRole app dockerName	60	serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				io_read_speed_min	The minimum I/O read rate.	Byte/s
				io_read_speed_max	The maximum I/O read rate.	Byte/s
				io_read_speed_avg	The average I/O read rate.	Byte/s
Disk I/O write rate of the Docker instance	docker_io_write_speed		60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	

		cluster hostname serverRole app dockerName		dockerName	The Docker name.	
				io_write_speed_min	The minimum I/O write rate.	Byte/s
				io_write_speed_max	The maximum I/O write rate.	Byte/s
				io_write_speed_avg	The average I/O write rate.	Byte/s
Data receive rate of the Docker instance	docker_network_receive_speed	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				network_receive_speed_min	The minimum data receive rate.	Byte/s
				network_receive_speed_max	The maximum data receive rate.	Byte/s

				network_receive_speed_avg	The average data receive rate.	Byte/s
Data send rate of the Docker instance	docker_network_transmit_speed	cluster hostname serverRole app dockerName	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				dockerName	The Docker name.	
				network_transmit_speed_min	The minimum data send rate.	Byte/s
				network_transmit_speed_max	The maximum data send rate.	Byte/s
				network_transmit_speed_avg	The average data send rate.	Byte/s
				cluster	The cluster name.	
				hostname	The hostname.	

CPU utilization of the service request process	process_cpu_usage	cluster hostname serverRole app processType	60	serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				cpu_usage_min	The minimum CPU utilization.	%
				cpu_usage_max	The maximum CPU utilization.	%
				cpu_usage_avg	The average CPU utilization.	%
				cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	

Memory utilization of the service request process	process_mem_usage	cluster hostname serverRole app processType	60	app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				mem_usage_min	The minimum memory utilization.	%
				mem_usage_max	The maximum memory utilization.	%
				mem_usage_avg	The memory utilization.	%
Number of file handles of the service request process	process_open_fd	cluster hostname serverRole app processType	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	

				open_fd_min	The minimum number of file handles.	N/A
				open_fd_max	The maximum number of file handles.	N/A
				open_fd_avg	The average number of file handles.	N/A
Number of threads of the service request process	process_thread_num	cluster hostname serverRole app processType	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				thread_num_min	The minimum number of threads.	N/A
				thread_num_max	The maximum number of threads.	N/A

				thread_num_avg	The average number of threads of the ontianji process.	N/A
Resident set size (RSS) of the service request process	process_rss	cluster hostname serverRole app processType	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				rss_min	The minimum RSS.	KB
				rss_max	The maximum RSS.	KB
				rss_avg	The average RSS.	KB

Disk I/O read rate of the service request process	process_read_bytes	cluster hostname serverRole app processType	60	cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	
				app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				read_bytes_min	The minimum I/O read rate.	Byte/s
				read_bytes_max	The maximum I/O read rate.	Byte/s
				read_bytes_avg	The average I/O read rate.	Byte/s
				cluster	The cluster name.	
				hostname	The hostname.	
				serverRole	The service role.	

Disk I/O write rate of the service request process	process_write_bytes	cluster hostname serverRole app processType	60	app	The application name. A service role may be assumed by multiple applications.	
				processType	The Docker name.	
				write_bytes_min	The minimum I/O write rate.	Byte/s
				write_bytes_max	The maximum I/O write rate.	Byte/s
				write_bytes_avg	The average I/O write rate.	Byte/s
		cluster serverrole host	60	cluster	The cluster name.	
				serverrole	The service role.	
				host	The hostname.	
				count_avg	The average number of threads.	N/A
				count_max	The maximum number of threads.	N/A

Thread deadlock status of the Java virtual machine (JVM) instance	jvm.thread.deadlock_cluster_serverrole			deamon_count_avg	The average number of daemon threads.	N/A
				deamon_count_max	The maximum number of daemon threads.	N/A
				deadlock_count_avg	The average number of deadlocked threads.	N/A
				deadlock_count_max	The maximum number of deadlocked threads.	N/A
				cluster	The cluster name.	
				serverrole	The service role.	
				host	The hostname.	
				blocked_avg	The average number of blocked threads.	N/A
				blocked_max	The maximum number of blocked threads.	N/A
				new_avg	The average number of new threads.	N/A

Thread status of the JVM instance	jvm.thread.state_cluster_serverrole	cluster serverrole host	60	new_max	The maximum number of new threads.	N/A
				runnable_avg	The average number of runnable threads.	N/A
				runnable_max	The maximum number of runnable threads.	N/A
				terminated_avg	The average number of terminated threads.	N/A
				terminated_max	The maximum number of terminated threads.	N/A
				timed_waiting_avg	The average number of threads in the TIME_WAIT state.	N/A
				timed_waiting_max	The maximum number of threads in the TIME_WAIT state.	N/A
				waiting_avg	The average number of threads in the waiting state.	N/A

				waiting_max	The maximum number of threads in the waiting state.	N/A
Garbage collection status of the JVM instance	jvm.gc_cluster_serverrole	cluster serverrole host name	60	cluster	The cluster name.	
				serverrole	The service role.	
				host	The hostname.	
				count_avg	The average number of garbage collections during the current data collection period.	N/A
				count_max	The maximum number of garbage collections during the current data collection period.	N/A

				time_avg	The average amount of time spent on garbage collection during the current data collection period.	ms
				time_max	The maximum amount of time spent on garbage collection during the current data collection period.	ms
				cluster	The cluster name.	
				serverrole	The service role.	
				host	The hostname.	
				name	The memory pool name.	
				init_avg	The average initial memory during polling.	Bytes
				init_max	The maximum initial memory during polling.	Bytes

Memory usage of the JVM instance during polling	jvm.mem.poll_cluster_serverrole	cluster serverrole host name	60	committed_avg	The average committed memory during polling.	Bytes
				committed_max	The maximum committed memory during polling.	Bytes
				used_avg	The average used memory during polling.	Bytes
				used_max	The maximum used memory during polling.	Bytes
				max_avg	The average maximum available memory during polling.	Bytes
				max_max	The highest maximum available memory during polling.	Bytes

				usage_avg	The average memory utilization during polling. Memory utilization is calculated based on the following formula: Memory utilization = Used memory/Total memory * 100%.	%
				usage_max	The maximum memory utilization during polling. Memory utilization is calculated based on the following formula: Memory utilization = Used memory/Total memory * 100%.	%
				cluster	The cluster name.	
				serverrole	The service role.	

Memory usage of the JVM instance	jvm.mem.total_cluster_serverrole	cluster serverrole host	60	host	The hostname.	
				init_avg	The average initial memory.	Bytes
				init_max	The maximum initial memory.	Bytes
				max_avg	The average used memory.	Bytes
				max_max	The maximum used memory.	Bytes
				used_avg	The average maximum available memory.	Bytes
				used_max	The highest maximum available memory.	Bytes
				cluster	The cluster name.	
				serverrole	The service role.	
				host	The hostname.	
				init_avg	The average initial heap memory.	Bytes

Heap memory usage of the JVM instance	jvm.mem.heap_cluster_serverrole	cluster serverrole host	60	init_max	The maximum initial heap memory.	Bytes
				committed_avg	The average committed heap memory.	Bytes
				committed_max	The maximum committed heap memory.	Bytes
				used_avg	The average used heap memory.	Bytes
				used_max	The maximum used heap memory.	Bytes
				max_avg	The average maximum available heap memory.	Bytes
				max_max	The highest maximum available heap memory.	Bytes

				usage_avg	The average heap memory utilization. Heap memory utilization is calculated based on the following formula: Heap memory utilization = Used heap memory/Total heap memory * 100%.	%
				usage_max	The maximum heap memory utilization. Heap memory utilization is calculated based on the following formula: Heap memory utilization = Used heap memory/Total heap memory * 100%.	%
				cluster	The cluster name.	

Class loading of the JVM instance	jvm.classloader_cluster_serverrole	cluster serverrole host	60	serverrole	The service role.	
				host	The hostname.	
				loaded_avg	The average number of loaded classes.	N/A
				loaded_max	The maximum number of loaded classes.	N/A
				unloaded_avg	The average number of unloaded classes.	N/A
				unloaded_max	The maximum number of unloaded classes.	N/A

7.1.1.3. ListAlertByUpdateTime

Traverses alerts by update time.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/incident/api/alert/listByUpdateTime HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
page	Integer	Query	Yes	1	The page number.
minUpdateTime	Long	Query	Yes	1920001300000	The minimum value of the time at which the system traverses alerts. This value is a UNIX timestamp representing the number of milliseconds that have elapsed since January 1, 1970, 00:00:00 UTC. Unit: seconds.

Response parameters

Parameter	Type	Example	Description
errorMessage	String	System error	The error message.
data	Struct		The response.
totalPage	Integer	262	The total number of returned pages.
pageSize	Integer	100	The number of entries per page.

total	Integer	26166	The total number of entries returned.
page	Integer	1	The page number.
objectList	Array of objectItem		The returned alerts.
id	Long	844934	The alert ID.
startTime	String	2022-02-24T08:33:29.000+0000	The time when the alert was triggered.
endTime	String	1970-01-01T00:00:00.000+0000	The time when the alert was closed.
duration	Long	37197	The duration of the alert.
message	String	Tianji SR Postcheckfailed Alarm01.100.2000.00002	The alert message.
code	String	tj_client_proxy_machine_sr_monitor_state	The alert code.
metricName	String	tj_client_proxy_machine_sr_monitor_state	The metric name.
alarmName	String	private.C_ECS-CPUXXXXX_tianji_postheck_monitor_alarm__tianji_sub-tianjiclient	The alert name.

alarmRule	String	$level==\"error\"\|\|$level==\"ERROR\"||$level==\"FATAL\"\|\|$level==\"fatal\"	The rule that describes how the alert is triggered.
currentValue	String	{\"level\":\"error\"}	The current value of the metric.
source	String	""	The alert source.
type	String	metric	The type of the alert.
dimensions	Array of dimension		The metric dimensions.
key	String	cluste	The dimension key.
value	String	ECS-CPU-X-XXXX	The dimension value.
standard	Boolean	true	Indicates whether the dimension is a standard dimension.
level	Integer	1	The severity level of the alert. The values 1 to 4 indicate P1 to P4.
status	Integer	0	The status of the alert. Valid values: • 0: The alert is not handled. • 1: The alert is being processed. • 2: The alert is closed.
alarmCount	Integer	1	The number of alerts.
handleUserName	String	""	The user who handled the alert.
shield	Boolean	false	Indicates whether the alert is blocked.
region	String	cn-XX-XX-XX	The region ID.
product	String	ecs	The product that triggered the alert.
cluster	String	ECS-CPU-X-XXXX	The cluster that triggered the alert.

service	String	tianji	The service that triggered the alert.
serverRole	String	""	The service role.
hostname	String	""	The hostname.
checkInterval	Integer	0	The time interval at which the system checks for alerts.
lastAlarmTime	String	2022-02-24T08:33:29.000+0000	The last time when an alert was triggered.
updateTime	String	2022-11-14T02:58:38.000+0000	The time when the alert information was updated.
description	String	test_description	The description of the alert. By default, the alert is described in Chinese. You can obtain multilingual results by setting request headers `aliyun_lang` and `aliyun_territory`.
cost	Long	30	The period of time required to process the request. Unit: milliseconds.
errorCode	String	ASO_INCIDENT_SYSTEM_ERROR	The error code.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
eagleEyeTraceId	String	0acd0d0416595961080397999d0027	The EagleEye ID.
msg	String	""	The error message.
errorStack	String	""	The stack where the error occurred.

code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the call was successful. Valid values: • true. • false.
serverRole	String	""	The service role.
path	String	/aso/incident/api/alert/listByUpdateTime	The URL of the API.
responseVersion	String	v1	The version of the response format.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ListAlertByUpdateTime
&page=1
&minUpdateTime=1920001300000
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "msg":"\"\"",
 "eagleEyeTraceId":"0acd0d0416595961080397999d0027",
 "cost":30,
 "code":"200",
 "data":{
```

```
  "total":26166,
  "totalPage":262,
  "pageSize":100,
  "page":1,
  "objectList":{
   "shield":false,
   "cluster":"ECS-CPU-X-XXXX",
   "checkInterval":0,
   "code":"tj_client_proxy_machine_sr_monitor_state",
   "metricName":"tj_client_proxy_machine_sr_monitor_state",
   "description":"test_description",
   "source":"\"\"",
   "type":"metric",
   "duration":37197,
   "alarmCount":1,
   "hostname":"\"\"",
   "startTime":"2022-02-24T08:33:29.000+0000",
   "id":844934,
   "product":"ecs",
   "level":1,
   "handleUserName":"\"\"",
   "alarmName":"private.C_ECS-CPUXXXXX_tianji_postheck_monitor_alarm__tianji_sub-tianji
client",
   "updateTime":"2022-11-14T02:58:38.000+0000",
   "message":"Tianji SR Postcheckfailed Alarm01.100.2000.00002",
   "lastAlarmTime":"2022-02-24T08:33:29.000+0000",
   "serverRole":"\"\"",

"alarmRule":"$level==\\\"error\\\"||$level==\\\"ERROR\\\"||$level==\\\"FATAL\\\"||$level=
\\"fatal\\\"",
   "service":"tianji",
   "endTime":"1970-01-01T00:00:00.000+0000",
   "region":"cn-XX-XX-XX",
   "currentValue":"{\\\"level\\\":\\\"error\\\"}",
   "dimensions":{
    "standard":true,
    "value":"ECS-CPU-X-XXXX ",
    "key":"cluste"
   },
   "status":0
  }
 },
 "errorMessage":"System error",
 "errorCode":"ASO_INCIDENT_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"\"\"",
 "path":"/aso/incident/api/alert/listByUpdateTime",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "errorStack":"\"\""
}
```

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ListAlertByUpdateTime

7.1.1.4. GetAlertList

Queries a list of alerts.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be used when aliyun_lang is set to zh). • US (can be used when aliyun_lang is set to en). • TW (can be used when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/fullview/popapi/getAlertList HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
type	String	Query	No	metric	The alert type. Valid values: • metric. • event.
cluster	String	Query	No	OssHybridCluster-X-XX-XX	The cluster to which the alert belongs.

alertName	String	Query	No	alert_a	The alert name.
metricName	String	Query	No	aso_a	The monitoring metric.
level	Integer	Query	No	1	The severity level of the alert. Valid values: 0 to 5.
alertProduct	String	Query	No	oss	The product to which the alert belongs.
service	String	Query	No	tianji	The service to which the alert belongs.
startTime	String	Query	Yes	2021-12-01 00:00:00	The beginning of the time range to query alerts. Specify the time in the ISO 8601 standard in the yyyy-MM-dd HH:mm:ss format.
endTime	String	Query	Yes	2021-12-01 00:00:00	The end of the time range to query alerts. Specify the time in the ISO 8601 standard in the yyyy-MM-dd HH:mm:ss format.
page	Integer	Query	Yes	1	The page number.
pageSize	Integer	Query	Yes	15	The number of entries per page.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_MONITOR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.

result	Array of result		The alerts.
id	Integer	46082	The alert event ID.
hashCode	String	295452124	The hash code of the alert.
alertName	String	alert_name	The alert name.
metricName	String	oss_service-cluster_error_code_from_chiji	The monitoring metric.
dimensions	String	{\"cluster\":\"Oss2L54Cluster-X-XX-XX\",\"serverrole\":\"oss-service.OssClusterMonitor#\",\"host\":\"vm010017XXXX\"}	The alert information.
alarmId	String	02.305.0101.00005	The alert ID.
message	String	The read and write latency of requests at the frontend of an OSS cluster exceeds the1,000 ms threshold.	The error message.
region	String	""	The region name.
product	String	""	The product to which the alert belongs.
cluster	String	OssXX-XX-XX	The cluster to which the alert belongs.
service	String	oss-service	The service to which the alert belongs.
alertCount	Integer	1	The number of historical alerts.

eventLevel	String	P3	The severity level of the alert.
eventStatus	String	Done	The status of the alert.
startTime	Long	1590393226471	The time when the alert was triggered.
lastTime	Long	1295964673	The duration of the alert. Unit: milliseconds.
processTime	Long	1590393226471	The time when the alert was handled.
updateTime	Long	1590393226471	The time when the alert information was updated.
changeRecord	String	[{\"key\":\"Start\",\"time\":1590393226471,\"value\":\"SERIOUS\"}, {\"key\":\"Recover\",\"time\":1590402946453,\"value\":\"RECOVER\"}]	The record of modifications.
notifyFlag	Boolean	true	Indicates whether the notification flag was enabled.
dataSource	String	tianjimon	The data source.
type	String	test	The type of the monitoring metric.
metricProject	String	tjm_oss_service	The monitored project.
eventType	Integer	1	The type of the monitoring object.
metricType	String	METRIC	The metric type.
eventSource	Map	""	The event source.
contacts	Array of contacts		Details about the contacts to which the alert was sent.
id	Integer	1	The primary key ID.

username	String	admin	The alert contact name.
telephone	String	""	The contact phone number.
email	String	""	The contact email address.
dingding	String	1234567	The DingTalk account of the contact.
product	String	""	The product whose alerts the contact wants to receive.
role	String	""	The contact role.
dutyStartTime	Long	1592358292430	The start time of the contact work shift.
dutyEndTime	Long	1592358292430	The end time of the contact work shift.
department	String	dept1	The department of the contact.
region	String	""	The region name.
telephoneNotificationOn	Boolean	true	The phone notification status.
emailNotificationOn	Boolean	true	The email notification status.
dingdingNotificationOn	Boolean	true	The DingTalk notification status.
products	List	""	The products whose alerts the contact wants to receive.
levels	List	""	The error level.
combinationType	Integer	1	The alert combination type for notification.
productsJson	String	""	The products list in the JSON format.

levelsJson	String	""	The alert severity level in the JSON format.
total	Integer	200	The total number of entries returned.
pageSize	Integer	15	The number of entries per page.
currentPage	Integer	1	The page number.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	fccbab1d-a496-4ae6-88e8-83557f883a85	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	SYSTEM_ERROR	The keyword of the error.
level	String	1	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-monitor.Monitor#	The server role of the request.
path	String	/aso/fullview/popapi/getAlertList	The URL of the API.

responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/fullview/popapi/getAlertList HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "result":{
   "lastTime":1295964673,
   "cluster":"OssXX-XX-XX",
   "metricName":"oss_service-cluster_error_code_from_chiji",
   "eventSource":"",
   "type":"test",
   "processTime":1590393226471,
   "changeRecord":"
[{\\\"key\\\":\\\"Start\\\",\\\"time\\\":1590393226471,\\\"value\\\":\\\"SERIOUS\\\"},{
\\\"key\\\":\\\"Recover\\\",\\\"time\\\":1590402946453,\\\"value\\\":\\\"RECOVER\\\"}]",

   "metricType":"METRIC",
   "eventLevel":"P3 ",
   "alertName":"alert_name ",
   "hashCode":"295452124",
   "alarmId":"02.305.0101.00005",
   "startTime":1590393226471,
   "id": "46082",
   "notifyFlag":true,
   "product":"\"\"",
   "updateTime":1590393226471,
   "eventType":1,
   "message": "The read and write latency of requests at the frontend of an OSS cluster
exceeds the threshold. The threshold is 1,000 ms.",
   "metricProject":"tim_oss_service",
```

```
    "alertCount":1,
    "service":"oss-service",
    "eventStatus":"Done",
    "region":"\"\"",
    "dataSource":"tianjimon",
    "contacts":{
     "product":"",
     "role":"\"\"",
     "dutyStartTime":1592358292430,
     "levelsJson":"\"\"",
     "telephone":"\"\"",
     "dingding":"1234567",
     "products":"\"\"",
     "dutyEndTime":1592358292430,
     "productsJson":"\"\"",
     "dingdingNotificationOn":true,
     "combinationType":1,
     "telephoneNotificationOn":true,
     "id":"1",
     "department":"dept1",
     "region":"",
     "emailNotificationOn":true,
     "email":"\"\"",
     "levels":"\"\"",
     "username":"admin"
    },
    "dimensions":"{\\\"cluster\\\":\\\"Oss2L54Cluster-X-XX-
XX\\\",\\\"serverrole\\\":\\\"oss-
service.OssClusterMonitor#\\\",\\\"host\\\":\\\"vm010017XXXX\\\"}"
   },
   "total":200,
   "pageSize":15,
   "currentPage":1
 },
 "level":"1",
 "errorMessage":"System error",
 "errorCode":"ASO_MONITOR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-monitor.Monitor#",
 "path":"/aso/fullview/popapi/getAlertList",
 "responseVersion":"v1",
 "requestId":"fccbab1d-a496-4ae6-88e8-83557f883a85",
 "success":true,
 "errorTitle":"Service error",
 "key":"SYSTEM_ERROR"
}
```


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GetAlertList

7.1.1.5. GetCpuMetrics

Queries CPU utilization.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/cpu HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	m54a01212.cloud.a04.amtest11	The hostname.
interval	String	Query	No	60	The time interval at which the system queries CPU utilization. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	The end of the time range to query.

Parameter	Type	Position	Required	Example	Description
action	String	Query	Yes	util_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[0.4,0.3,0.4,0.3,0.4],"name":"util_avg"}],"categories":[1638352080000,1638352140000,1638352200000,1638352260000,1638352320000]},"type":"CPU"}	The response.
cost	Long	54	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	201a065d-d03a-4d33-b9ac-2d9fba9ec6b9	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	null	The keyword of the error.
level	String	null	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.

Parameter	Type	Example	Description
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/psm/metrics/cpu	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/cpu HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":54,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      0.4,
      0.3,
      0.4,
      0.3,
      0.4
     ],
     "name":"util_avg"
    }
   ],
   "categories":[
    1638352080000,
    1638352140000,
    1638352200000,
    1638352260000,
    1638352320000
   ]
  },
  "type":"CPU"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/cpu",
 "responseVersion":"v1",
 "requestId":"201a065d-d03a-4d33-b9ac-2d9fba9ec6b9",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```

7.1.1.6. GetDiskMetrics

Queries disk utilization.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/disk HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	m5XXX.cloud.aXX.amXXX	The hostname.
interval	String	Query	No	60	The time interval at which the system queries disk utilization. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	The end of the time range to query.
action	String	Query	Yes	util_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[7.8,7.8,7.8,7.8,7.8],"name":"util_avg"}],"categories":[1638348780000,1638348840000,1638348900000,1638348960000,1638349020000]},"type":"DISK"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	c1310a2c-56e0-4ca4-8de0-87b842a47a9e	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	null	The keyword of the error.
level	String	null	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/psm/metrics/disk	The URL of the API.
responseVersion	String	v1	The version of the response format.

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/disk HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      7.8,
      7.8,
      7.8,
      7.8,
      7.8
     ],
     "name":"util_avg"
    }
   ],
   "categories":[
    1638348780000,
    1638348840000,
    1638348900000,
    1638348960000,
    1638349020000
   ]
  },
  "type":"DISK"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/disk",
 "responseVersion":"v1",
 "requestId":"c1310a2c-56e0-4ca4-8de0-87b842a47a9e",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```


7.1.1.7. GetIoMetrics

Queries disk I/O loads.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/io HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	m5XXX.cloud.aXX.amXXX	The hostname.
interval	String	Query	No	60	The time interval at which the system queries disk I/O loads. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	The end of the time range to query.
action	String	Query	Yes	util_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[0,0,0,0,0],"name":"util_avg"}],"categories":[1638348780000,1638348840000,1638348900000,1638348960000,1638349020000,1638349080000]},"type":"IO"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	db6ab7b0-f435-4d2a-80f7-529750fabf98	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	null	The keyword of the error.
level	String	null	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/psm/metrics/io	The URL of the API.

Parameter	Type	Example	Description
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/io HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      0,
      0,
      0,
      0,
      0
     ],
     "name":"util_avg"
    }
   ],
   "categories":[
    1638348780000,
    1638348840000,
    1638348900000,
    1638348960000,
    1638349020000,
    1638349080000
   ]
  },
  "type":"IO"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/io",
 "responseVersion":"v1",
 "requestId":"db6ab7b0-f435-4d2a-80f7-529750fabf98",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```


7.1.1.8. GetLoadMetrics

Queries system loads.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/load HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	mXXXX.cloud.aXX.amXX	The hostname.
interval	String	Query	No	60	The time interval at which the system queries system loads. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	The end of the time range to query.
action	String	Query	Yes	load1_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[1.1,1.1,1,1.2,1.4],"name":"load1_avg"}],"categories":[1638348780000,1638348840000,1638348900000,1638348960000,1638349020000]},"type":"LOAD"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	e15eef8f-69e4-47fc-ade7-8274622447d2	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	null	The keyword of the error.
level	String	null	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/psm/metrics/load	The URL of the API.

Parameter	Type	Example	Description
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/load HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      1.1,
      1.1,
      1,
      1.2,
      1.4
     ],
     "name":"load1_avg"
    }
   ],
   "categories":[
    1638348780000,
    1638348840000,
    1638348900000,
    1638348960000,
    1638349020000
   ]
  },
  "type":"LOAD"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/load",
 "responseVersion":"v1",
 "requestId":"e15eef8f-69e4-47fc-ade7-8274622447d2",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```


7.1.1.9. GetMemMetrics

Queries memory utilization.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/mem HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	mXXX.cloud.aXX.amXX	The hostname.
interval	String	Query	No	60	The time interval at which the system queries memory utilization. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	The end of the time range to query.
action	String	Query	Yes	util_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[10.7,10.7,10.7,10.7,10.7],"name":"util_avg"}],"categories":[1638348780000,1638348840000,1638348900000,1638348960000,1638349020000]},"type":"MEM"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	48b17b90-621a-460c-92b4-f2fdd376b287	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	null	The keyword of the error.
level	String	null	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d0	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/psm/metrics/mem	The URL of the API.

Parameter	Type	Example	Description
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/mem HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d0",
 "cost":30,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      10.7,
      10.7,
      10.7,
      10.7,
      10.7
     ],
     "name":"util_avg"
    }
   ],
   "categories":[
    1638348780000,
    1638348840000,
    1638348900000,
    1638348960000,
    1638349020000
   ]
  },
  "type":"MEM"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/mem",
 "responseVersion":"v1",
 "requestId":"48b17b90-621a-460c-92b4-f2fdd376b287",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```


7.1.1.10. GetTrafficMetrics

Queries the traffic of a host.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/psm/metrics/traffic HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
hostname	String	Query	Yes	m54a01212.cloud.a04.amtest11	The hostname.
interval	String	Query	No	60	The time interval at which the system queries the traffic of the host. Unit: seconds. Default value: 60.
startTime	String	Query	Yes	1638348739166	The beginning of the time range to query.
endTime	String	Query	Yes	1638352339166	1638352339166
action	String	Query	Yes	ifin_avg	The metric dimension that you want to query.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"data":{"series":[{"data":[2.77,3.08,2.96,2.96,2.63],"name":"ifin_avg"}],"categories":[1638348780000,1638348840000,1638348900000,1638348960000,1638349020000]},"type":"TRAFFIC"}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestId	String	0067966f-d480-4628-b8c5-a467ea7ffdbf	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	null	The keyword of the error.
level	String	null	The error level.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Parameter	Type	Example	Description
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
path	String	/aso/psm/metrics/traffic	The URL of the API.
serverRole	String	aso-mgr.asmgr#	The request ID.
responseVersion	String	v1	The version of the response format.

Examples

Sample requests

```
GET /openapi/popResource/aso/psm/metrics/traffic HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "data":{
   "series":[
    {
     "data":[
      2.77,
      3.08,
      2.96,
      2.96,
      2.63
     ],
     "name":"ifin_avg"
    }
   ],
   "categories":[
    1638348780000,
    1638348840000,
    1638348900000,
    1638348960000,
    1638349020000
   ]
  },
  "type":"TRAFFIC"
 },
 "level":"null",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/psm/metrics/traffic",
 "responseVersion":"v1",
 "requestId":"0067966f-d480-4628-b8c5-a467ea7ffdbf",
 "success":true,
 "errorTitle":"Service error",
 "key":"null"
}
```


7.1.2. Inventory management

7.1.2.1. GetOverview

Queries the inventory overview.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see Common request headers.

Syntax

```
GET /openapi/popResource/aso/inventory/openapi/getOverview HTTP/1.1
```

Request parameters

None

Response parameters

Parameter	Type	Example	Description
code	String	200	The returned code. 200 indicates that the call was successful.
cost	Long	30	The time spent on querying the inventory information. Unit: milliseconds.
data	Struct		The returned data.
ecs	Array of ecs		The Elastic Compute Service (ECS) inventory information.
flavors	Array of JSONArray		The list of ECS instance specifications.
flavor	String	ecs.sn1ne.8xlarge	The ECS instance specification.
soldAmount	Integer	3	The number of sold resources.
totalAmount	Integer	8	The number of total resources.
vendibleAmount	Integer	5	The number of available resources.
zoneId	Integer	132	The ID of the region.
zoneName	String	ECS-XX-XX-XX-X	The name of the region.
nas	Struct		The Apsara File Storage NAS (NAS) inventory information.

clusters	Map	{"StandardNasCluster-XX-XX-XX":{"disk_usage":"9.300003","disk_used":"13250.83","disk_total":"142482.0","disk_remain":"129231.17"}}	The information about the cluster.
oss	Struct		The Object Storage Service (OSS) inventory information.
overview	Struct		The inventory information.
cluster	String	""	The information about the cluster.
disk_remain	Float	945318.56	The free space of the disk.
disk_total	Float	1064488	The total capacity of the disk.
disk_usage	Float	11.195	The usage of the disk in percentage.
disk_used	Float	119169.43	The used space of the disk.
ots	Struct		The Tablestore inventory information.
overview	Struct		The inventory information.
cluster	String	""	The information about the cluster.
disk_remain	Float	347621.84	The free space of the disk.
disk_total	Float	389886	The total capacity of the disk.
disk_usage	Float	10.840136	The usage of the disk in percentage.
disk_used	Float	42264.17	The used space of the disk.
rds	Struct		The ApsaraDB RDS inventory information.

engines	Map	{"hawq":{"mem_used":"0.0","cpu_used":"0.0","mem_usage":"0.0","disk_total":"0.0","disk_used":"0.0","disk_remain":"0.0","cpu_remain":"0.0","disk_usage":"0.0","mem_remain":"0.0","cpu_total":"0.0","cpu_usage":"0.0","mem_total":"0.0"}}	The information about ApsaraDB RDS inventory on each engine.
overview	Struct		The information about the total ApsaraDB RDS inventory.
cluster	String	""	The information about the cluster.
disk_remain	Float	55302	The free space of the disk.
disk_total	Float	82826	The total capacity of the disk.
disk_usage	Float	33.23232	The usage of the disk in percentage.
disk_used	Float	27525	The used space of the disk.
slb	Map	{"INTERNET":{"ip_usage":"8.984375","ip_used":"23","ip_remain":"233","ip_total":"256","type":"INTERNET"},"INTRANET":{"ip_usage":"14.3359375","ip_used":"367","ip_remain":"2193","ip_total":"2560","type":"INTRANET"}}	The Server Load Balancer (SLB) inventory information.
sls	Struct		The Log Service inventory information.
overview	Struct		The inventory information.
cluster	String	""	The information about the cluster.
disk_remain	Float	245040.0	The free space of the disk.

disk_total	Float	266122.0	The total capacity of the disk.
disk_usage	Float	7.9219303	The usage of the disk in percentage.
disk_used	Float	21082.0	The used space of the disk.
key	String	""	The keyword of the error.
level	String	""	The error level.
message	String	success	The error message.
requestId	String	c6cb0637-40a1-4ac0-abe7-ad45efc848ac	The ID of the request.
successResponse	Boolean	true	Indicates whether the call was successful. Valid values: • true: The call was successful. • false: The call failed.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getOverview HTTP/1.1
OpsProduct: ASOOps
```

Sample success responses

`JSON` format


```
{
    "successResponse": "true",
    "code": "200",
    "cost": "30",
    "data": {
        "slb": "{\"INTERNET\":
{\"ip_usage\":\"8.984375\",\"ip_used\":\"23\",\"ip_remain\":\"233\",\"ip_total\":\"256\",
type\":\"INTERNET\"},\"INTRANET\":
{\"ip_usage\":\"14.3359375\",\"ip_used\":\"367\",\"ip_remain\":\"2193\",\"ip_total\":\"25
\",\"type\":\"INTRANET\"}}",
        "ecs": [
            {
                "zoneId": "132",
                "zoneName": "ECS-XX-XX-XX-X",
                "flavors": [
                    {
                        "flavor": "ecs.sn1ne.8xlarge",
```

```
                        "totalAmount": "8",
                        "vendibleAmount": "5",
                        "soldAmount": "3"
                    }
                ]
            }
        ],
        "rds": {
            "engines": "{\"hawq\":
{\"mem_used\":\"0.0\",\"cpu_used\":\"0.0\",\"mem_usage\":\"0.0\",\"disk_total\":\"0.0\",\
isk_used\":\"0.0\",\"disk_remain\":\"0.0\",\"cpu_remain\":\"0.0\",\"disk_usage\":\"0.0\",
mem_remain\":\"0.0\",\"cpu_total\":\"0.0\",\"cpu_usage\":\"0.0\",\"mem_total\":\"0.0\"}}"

            "overview": {
                "cluster": "\"\"",
                "disk_used": "27525",
                "disk_total": "82826",
                "disk_remain": "55302",
                "disk_usage": "33.23232"
            }
        },
        "sls": {
            "overview": {
                "cluster": "\"\"",
                "disk_used": "21082.0",
                "disk_total": "266122.0",
                "disk_remain": "245040.0",
                "disk_usage": "7.9219303"
            }
        },
        "ots": {
            "overview": {
                "cluster": "\"\"",
                "disk_used": "42264.17",
                "disk_total": "389886",
                "disk_remain": "347621.84",
                "disk_usage": "10.840136"
            }
        },
        "nas": {
            "clusters": "{\"StandardNasCluster-XX-XX-XX\":
{\"disk_usage\":\"9.300003\",\"disk_used\":\"13250.83\",\"disk_total\":\"142482.0\",\"dis
remain\":\"129231.17\"}}"
        },
        "oss": {
            "overview": {
                "cluster": "\"\"",
                "disk_used": "119169.43",
                "disk_total": "1064488",
                "disk_remain": "945318.56",
                "disk_usage": "11.195"
            }
        }
    },
    "level": "\"\""
```

```
    "level": "\"\"",
    "requestId": "c6cb0637-40a1-4ac0-abe7-ad45efc848ac",
    "message": "success",
    "key": "\"\""
}
```

7.1.2.2. GetSlbInventoryInfo

Queries the inventory information of Server Load Balancer (SLB).

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getSlbInventoryInfo HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
data	Map	{"INTERNET":{"ip_usage":"5.078125","ip_used":"26","ip_remain":"486","ip_total":"512","type":"INTERNET"},"INTRANET":{"ip_usage":"22.973633","ip_used":"941","ip_remain":"3155","ip_total":"4096","type":"INTRANET"}}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	56bb6208-89f0-4b62-a2e6-5204db52fcf5	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getSlbInventoryInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getSlbInventoryInfo HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "INTERNET":{
   "ip_usage":"5.078125",
   "ip_total":"512",
   "ip_used":"26",
   "ip_remain":"486",
   "type":"INTERNET"
  },
  "INTRANET":{
   "ip_usage":"22.973633",
   "ip_total":"4096",
   "ip_used":"941",
   "ip_remain":"3155",
   "type":"INTRANET"
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getSlbInventoryInfo",
 "responseVersion":"v1",
 "requestId":"56bb6208-89f0-4b62-a2e6-5204db52fcf5",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.3. GetEcsInventoryByCurrent

Queries the current CPU and memory information of an Elastic Compute Service (ECS) instance.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryByCurrent HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
data	Map	{"ECS-XXXX-X-XXXX-X":{"mem_used":"0.0","cpu_used":"0.0","mem_usage":"0.0","cpu_remain":"560.0","mem_remain":"2240.0","cpu_total":"560.0","cpu_usage":"0.0","mem_total":"2240.0"},"ECS-XXX-X-XXXX-X":{"mem_used":"656.0","cpu_used":"292.0","mem_usage":"47.67","cpu_remain":"52.0","mem_remain":"720.0","cpu_total":"344.0","cpu_usage":"84.88","mem_total":"1376.0"},"ECS-XXX-X-XXXX-X":{"mem_used":"384.0","cpu_used":"96.0","mem_usage":"25.0","cpu_remain":"288.0","mem_remain":"1152.0","cpu_total":"384.0","cpu_usage":"25.0","mem_total":"1536.0"}}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	04a9613b-8e04-475a-b028-ac66019edc91	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
path	String	/aso/inventory/openapi/getEcsInventoryByCurrent	The URL of the API.

Parameter	Type	Example	Description
key	String	""	The keyword of the error.
level	String	""	The error level.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryByCurrent HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "ECS-XXX-X-XXXX-X":{
   "mem_used":"384.0",
   "cpu_used":"96.0",
   "mem_usage":"25.0",
   "cpu_remain":"288.0",
   "mem_remain":"1152.0",
   "cpu_total":"384.0",
   "cpu_usage":"25.0",
   "mem_total":"1536.0"
  },
  "ECS-XXXX-X-XXXX-X":{
   "mem_used":"0.0",
   "cpu_used":"0.0",
   "mem_usage":"0.0",
   "cpu_remain":"560.0",
   "mem_remain":"2240.0",
   "cpu_total":"560.0",
   "cpu_usage":"0.0",
   "mem_total":"2240.0"
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getEcsInventoryByCurrent",
 "responseVersion":"v1",
 "requestId":"04a9613b-8e04-475a-b028-ac66019edc91",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.2.4. GetEcsInventoryList

Queries the inventory information of Elastic Compute Service (ECS).

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryList HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Array of JSONArray		The response.
zoneId	Integer	131	The zone ID.
zoneName	String	ECS-XX-XX-XX	The zone name.
flavors	Array of JSONArray		The list of ECS instance types.
flavor	String	ecs.mn4v2.2xlarge	The type of the ECS instance.
totalAmount	Integer	48	The total number of ECS instances.

Parameter	Type	Example	Description
soldAmount	Integer	4	The number of sold ECS instances.
vendibleAmount	Integer	44	The number of available ECS instances.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	8d526115-1347-4fba-8d48-6fe267701983	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getEcsInventoryList	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryList HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "flavors":{
   "flavor":"ecs.mn4v2.2xlarge",
   "totalAmount":48,
   "vendibleAmount":44,
   "soldAmount":4
  },
  "zoneId":131,
  "zoneName":"ECS-XX-XX-XX "
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getEcsInventoryList",
 "responseVersion":"v1",
 "requestId":"8d526115-1347-4fba-8d48-6fe267701983",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.5. GetEcsInventoryByZoneId

Queries the inventory information of Elastic Compute Service (ECS) based on zone IDs.

Request headers

Parameter	Type	Position	Required	Example	Description

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryByZoneId HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
zoneId	String	Query	Yes	133	The zone ID.

Response parameters

Parameter	Type	Example	Description
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
errorTitle	String	Service error	The title of the error message.
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
requestId	String	fa07ab18-06cf-470f-9417-c6ae644bbe2c	The request ID.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
message	String	""	The error message. An empty string is returned if the request is successful.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	30	The response time. Unit: milliseconds.
path	String	/aso/inventory/openapi/getEcsInventoryByZoneId	The URL of the API.
key	String	""	The keyword of the error.
data	Array of data		The response.
zoneId	String	133	The zone ID.
zoneName	String	ECS-XXX-X-XXXX-X	The zone name.
flavors	Array of flavors		The list of ECS instance types.
flavor	String	ecs.XXX.XXX	The type of the ECS instance.
totalAmount	Integer	1	The total number of ECS instances.

Parameter	Type	Example	Description
soldAmount	Integer	0	The number of sold ECS instances.
vendibleAmount	Integer	1	The number of available ECS instances.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getEcsInventoryByZoneId HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":30,
 "data":{
  "flavors":{
   "flavor":"ecs.XXX.XXX ",
   "totalAmount":1,
   "vendibleAmount":1,
   "soldAmount":0
  },
  "zoneId":"133",
  "zoneName":"ECS-XXX-X-XXXX-X"
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "serverRole":"aso-mgr.asmgr#",
 "successResponse":true,
 "path":"/aso/inventory/openapi/getEcsInventoryByZoneId",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"fa07ab18-06cf-470f-9417-c6ae644bbe2c",
 "key":"\"\""
}
```

7.1.2.6. GetVms

Queries the information about Elastic Compute Service (ECS) instances.

You can call this operation once per second.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/api-adapter/ecs/getVms HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
region	String	Query	Yes	cn-env-XXX-XXX	The region ID.
instanceIds	String	Query	No	i-3ar015df5d2dagqh****,i-3ar00ogdk61lnsgl****	The IDs of the ECS instances. You can enter multiple IDs and separate them with commas (,).

Parameter	Type	Position	Required	Example	Description
status	String	Query	No	Running	The status of the instance. Valid values: • Running: The instance is running. • Shutted: The instance is stopped. • Pending: The instance is to be started. • Starting: The instance is being started. • Shutting: The instance is being stopped. • Resetting: The instance is being reset. • StartFailure: The startup failed. • ShutFailure: The stop failed. • ResetFailure: The reset failed.
pageNumber	Integer	Query	No	1	The page number. Default value: 1.
pageSize	Integer	Query	No	10	The number of entries per page. Default value: 10. Maximum value: 10.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
items	Array of items		The ECS instance information.
regionId	String	cn-env-XXX-XXX	The region ID.

Parameter	Type	Example	Description
zoneId	String	cn-env-XXX-XXX-XXX	The zone ID.
clusterId	String	ECS-XXX-XXX-XXX-XXX	The cluster ID.
instanceId	String	i-3ar015df5d2dagqh****	The instance ID.
instanceName	String	test_name	The instance name.
status	String	Running	The status of the instance. Valid values: • Running: The instance is running. • Shutted: The instance is stopped. • Pending: The instance is to be started. • Starting: The instance is being started. • Shutting: The instance is being stopped. • Resetting: The instance is being reset. • StartFailure: The startup failed. • ShutFailure: The stop failed. • ResetFailure: The reset failed.
requestId	String	A701B38D-DD64-4D84-8E39-1E035664C87E	The request ID.
pageNumber	Integer	1	The page number.
pageSize	Integer	10	The number of entries per page.
totalCount	Integer	1	The total number of entries returned.
cost	Long	1200	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
requestId	String	6878ff2c-93c7-4356-8a8c-c6296a3d5ef9	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/api-adapter/ecs/openapi/getVms	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/api-adapter/ecs/getVms HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":1200,
 "code":"200",
 "data":{
  "pageNumber":1,
  "requestId":"A701B38D-DD64-4D84-8E39-1E035664C87E",
  "pageSize":10,
  "totalCount":1,
  "items":{
   "instanceId":"i-3ar015df5d2dagqh****",
   "regionId":"cn-env-XXX-XXX",
   "instanceName":"test_name",
   "zoneId":"cn-env-XXX-XXX-XXX",
   "clusterId":"ECS-XXX-XXX-XXX-XXX",
   "status":"Running"
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/api-adapter/ecs/openapi/getVms",
 "responseVersion":"v1",
 "requestId":"6878ff2c-93c7-4356-8a8c-c6296a3d5ef9",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.7. GetEbsClusterTypeInfo

Queries the inventory information of Elastic Block Storage (EBS).

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/pgmon/queryEbsClusterTypeInventory HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Map	{"EbsBlockSsdCluster":[{"cluster":"ECS-XX-XX-XX","freeSize":"28345.57","totalSize":"28391.00","modifyDate":"1650210780000","project":"ecs","id":"23233","region":"cn-XX-XX-XX","userdSize":"45.43","usedSpacePercent":"0.16"}]}	The response.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.

Parameter	Type	Example	Description
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	b2f7e0c7-ea6f-4282-bf87-9ad4aa4d9760	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/pgmon/openapi/queryEbsClusterTypeInventory	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/pgmon/queryEbsClusterTypeInventory HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "EbsBlockSsdCluster":[
   {
    "cluster":"ECS-XX-XX-XX",
    "freeSize":"28345.57",
    "totalSize":"28391.00",
    "modifyDate":"1650210780000",
    "project":"ecs",
    "id":"23233",
    "region":"cn-XX-XX-XX",
    "userdSize":"45.43",
    "usedSpacePercent":"0.16"
   }
  ]
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/pgmon/openapi/queryEbsClusterTypeInventory",
 "responseVersion":"v1",
 "requestId":"b2f7e0c7-ea6f-4282-bf87-9ad4aa4d9760",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.8. GetNasInventoryInfo

Queries the inventory information of Apsara File Storage NAS.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getNasInventoryInfo HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
clusters	Map	{"StandardNasCluster-XX-XX-XX":{"disk_usage":"9.300003","disk_used":"13250.83","disk_total":"142482.0","disk_remain":"129231.17"}}	The cluster information.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.

Parameter	Type	Example	Description
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	adb1a2e2-ccea-4701-ac0b-cb1fe6034c17	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getNasInventoryInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getNasInventoryInfo HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "clusters":{
   "StandardNasCluster-XX-XX-XX":{
    "disk_used":"13250.83",
    "disk_remain":"129231.17",
    "disk_usage":"9.300003",
    "disk_total":"142482.0"
   }
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getNasInventoryInfo",
 "responseVersion":"v1",
 "requestId":"adb1a2e2-ccea-4701-ac0b-cb1fe6034c17",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.2.9. GetOssInventoryInfo

Queries the inventory information of Object Storage Service (OSS).

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getOssInventoryInfo HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
overview	Struct		The OSS inventory information.
disk_total	Float	119169.43	The total capacity of the disk.
disk_used	Float	119169.43	The used space of the disk.
disk_remain	Float	945318.56	The free space of the disk.
disk_usage	Float	945318.56	The disk utilization.
cluster	String	""	The cluster information.
cost	Long	30	The response time. Unit: milliseconds.

Parameter	Type	Example	Description
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the call was successful. Valid values: • true. • false.
requestId	String	9ac36287-3ba4-4f94-a7de-ac14e91d0c1c	The request ID.
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getOssInventoryInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the call was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getOssInventoryInfo HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "overview":{
   "cluster":"\"\"",
   "disk_total":119169.43,
   "disk_used":119169.43,
   "disk_remain":945318.56,
   "disk_usage":945318.56
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getOssInventoryInfo",
 "responseVersion":"v1",
 "requestId":"9ac36287-3ba4-4f94-a7deac14e91d0c1c",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.10. GetOtsInnerInventoryInfo

Queries the inventory information of Tablestore.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getOtsInnerInventoryInfo HTTP/1.
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
overview	Struct		The Tablestore inventory information.
disk_total	Float	389886	The total capacity of the disk.
disk_used	Float	347621.84	The used space of the disk.
disk_remain	Float	347621.84	The free space of the disk.
disk_usage	Float	10.840136	The disk utilization.
cluster	String	""	The cluster information.
cost	Long	30	The response time. Unit: milliseconds.

Parameter	Type	Example	Description
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	466f9e0f-d0a8-4290-860b-dda9f792e438	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getOtsInnerInventoryInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getOtsInnerInventoryInfo HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "overview":{
   "cluster":"\"\"",
   "disk_total":389886.0,
   "disk_used":347621.84,
   "disk_remain":347621.84,
   "disk_usage":10.840136
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getOtsInnerInventoryInfo",
 "responseVersion":"v1",
 "requestId":"466f9e0f-d0a8-4290-860b-dda9f792e438",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.11. GetRdsInventoryInfo

Queries the inventory information of ApsaraDB RDS.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getRdsInventoryInfo HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
overview	Struct		The information about the ApsaraDB RDS inventory.
cpu_total	Float	1.0	The total CPU capacity.
cpu_used	Float	0	The used CPU capacity.
cpu_remain	Float	1.0	The available CPU capacity.
cpu_usage	Float	0	The CPU utilization.
mem_total	Float	200.0	The total amount of memory.
mem_used	Float	100.0	The amount of used memory.

Parameter	Type	Example	Description
mem_remain	Float	100.0	The amount of available memory.
mem_usage	Float	50.0	The memory utilization.
disk_total	Float	82826	The total capacity of the disk.
disk_used	Float	27525	The used space of the disk.
disk_remain	Float	55302	The free space of the disk.
disk_usage	Float	33.23232	The disk utilization.
engines	Map	{"hawq": {"mem_used":"0.0","cpu_used":"0.0","mem_usage":"0.0","disk_total":"0.0","disk_used":"0.0","disk_remain":"0.0","cpu_remain":"0.0","disk_usage":"0.0","mem_remain":"0.0","cpu_total":"0.0","cpu_usage":"0.0","mem_total":"0.0"}}	The details of the ApsaraDB RDS inventory.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	c6cb0637-40a1-4ac0-abe7-ad45efc848ac	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

Parameter	Type	Example	Description
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getRdsInventoryInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getRdsInventoryInfo HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "overview":{
   "mem_used":100.0,
   "cpu_used":0.0,
   "mem_usage":50.0,
   "disk_total":82826.0,
   "disk_used":27525.0,
   "disk_remain":55302.0,
   "cpu_remain":1.0,
   "mem_remain":100.0,
   "disk_usage":33.23232,
   "cpu_total":1.0,
   "cpu_usage":0.0,
   "mem_total":200.0
  },
  "engines":{
   "hawq":{
    "mem_used":"0.0",
    "cpu_used":"0.0",
    "mem_usage":"0.0",
    "disk_total":"0.0",
    "disk_used":"0.0",
    "disk_remain":"0.0",
    "cpu_remain":"0.0",
    "disk_usage":"0.0",
    "mem_remain":"0.0",
    "cpu_total":"0.0",
    "cpu_usage":"0.0",
    "mem_total":"0.0"
   }
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getRdsInventoryInfo",
 "responseVersion":"v1",
 "requestId":"c6cb0637-40a1-4ac0-abe7-ad45efc848ac",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.2.12. GetSlsInnerInfo

Queries the inventory information of Log Service.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getSlsInnerInfo HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
overview	Struct		The information overview.
disk_total	Float	266122	The total capacity of the disk.
disk_used	Float	21082	The used space of the disk.

Parameter	Type	Example	Description
disk_remain	Float	245040	The free space of the disk.
disk_usage	Float	7.9219303	The disk utilization.
cluster	String	""	The cluster information.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	aae56eb7-74db-423b-b563-18ffd8f249ed	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	so-mgr.asmgr#	The service role.
path	String	/aso/inventory/openapi/getSlsInnerInfo	The URL of the API.
responseVersion	String	v1	The version of the response format.

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getSlsInnerInfo HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "overview":{
   "cluster":"\"\"",
   "disk_total":266122.0,
   "disk_used":21082.0,
   "disk_remain":245040.0,
   "disk_usage":7.9219303
  }
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"so-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getSlsInnerInfo",
 "responseVersion":"v1",
 "requestId":"aae56eb7-74db-423b-b563-18ffd8f249ed",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.2.13. GetPanguInventoryByClusterName

Queries the inventory information of Apsara Distributed File System based on cluster names.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/openapi/getPanguInventoryByClusterName HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
clusterName	String	Query	Yes	ECS-XXX-X-XXXX	The cluster name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
requestId	String	2740eec5-a674-4651-b959-9f24e71ab2ba	The request ID.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
message	String	""	The error message. An empty string is returned if the request is successful.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	30	The response time. Unit: milliseconds.
path	String	/aso/inventory/openapi/getPanguInventoryByClusterName	The URL of the API.
data	Array of data		The response.
modifyDate	Long	1657295602000	The latest modification time of the inventory information.
regionId	String	""	The region ID.
id	Long	91	The record ID. You can ignore this parameter.
project	String	aso	The product name.
cluster	String	ECS-XXX-X-XXXX	The cluster name.
region	String	cn-XXXX-XXXX-XX	The region ID.
totalSize	String	249478	The total capacity of the disk.
usedSpacePercent	String	0.0000	The disk utilization.
userdSize	String	0.0000	The used space of the disk.
freeSize	String	249478.0000	The free space of the disk.
key	String	""	The keyword of the error.

Parameter	Type	Example	Description
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/openapi/getPanguInventoryByClusterName HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":30,
 "data":{
  "cluster":"ECS-XXX-X-XXXX",
  "totalSize":"249478",
  "freeSize":"249478.0000",
  "modifyDate":1657295602000,
  "regionId":"\"\"",
  "project":"aso",
  "id":91,
  "region":"cn-XXXX-XXXX-XX ",
  "userdSize":"0.0000",
  "usedSpacePercent":"0.0000"
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/openapi/getPanguInventoryByClusterName",
 "responseVersion":"v1",
 "requestId":"2740eec5-a674-4651-b959-9f24e71ab2ba",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.2.14. GetInventoryStat

Queries the inventory information of Server Load Balancer (SLB).

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/inventory/slb/stat HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
label	String	Query	No	default	The tag of the SLB cluster.
clusterName	String	Query	No	slbCluster-XXXXX-XXXX	The cluster name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
requestId	String	82ecd983-62d8-4be4-8d87-1957cd09b796	The request ID.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
message	String	""	The error message. An empty string is returned if the request is successful.

Parameter	Type	Example	Description
path	String	/aso/inventory/slb/openapi/stat	The URL of the API.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	30	The response time. Unit: milliseconds.
data	Array of data		The response.
modifyDate	Long	1660780800000	The last modification time of the inventory information.
regionId	String	cn-XXXX-XXXX-XX	The region ID.
id	Integer	84	The primary key ID.
type	String	INTRANET	The network type.
assignedCount	Integer	628	The number of assigned SLB instances.
frozenCount	Integer	3468	The number of frozen SLB instances.
releasedCount	Integer	0	The number of released SLB instances.
protectedCount	Integer	0	The number of protected SLB instances.
label	String	default	The tag of the SLB cluster.
suName	String	su_0	The SU name.
ppoName	String	proxy_XXX_XXX_1	The PPO name.
zoneId	String	cn-XXXX-XXXX-amtest1XXXX-X	The zone ID.
key	String	""	The keyword of the error.

Parameter	Type	Example	Description
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/slb/stat HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":30,
 "data":{
  "protectedCount":0,
  "frozenCount":3468,
  "ppoName":"proxy_XXX_XXX_1",
  "modifyDate":1660780800000,
  "regionId":"cn-XXXX-XXXX-XX",
  "releasedCount":0,
  "assignedCount":628,
  "zoneId":"cn-XXXX-XXXX-amtest1XXXX-X",
  "id":84,
  "label":"default",
  "type":"INTRANET",
  "suName":"su_0"
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/slb/openapi/stat",
 "responseVersion":"v1",
 "requestId":"82ecd983-62d8-4be4-8d87-1957cd09b796",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.2.15. GetIntegratedProductInventory

Queries the capacity information of a cloud service.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
region	String	Query	No	cn-XX-XX-XX	The region.

paged	Boolean	Query	No	true	Specifies whether to paginate the responses of this operation. Default value: true.
pageSize	Integer	Query	No	20	The number of entries per page.
product	String	Query	Yes	oss	The code of the cloud service. • ecs • ebs • oss • nas • ots • sls • slb • rds
dimension	String	Query	No	sale	The query dimension. Only the sale dimension is supported.
cluster	String	Query	No	OssHybridCluster-A-XX-XX	The logical cluster of the cloud service.
pageIndex	Integer	Query	No	1	The page number.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. Valid values: • true • false
cost	Long	22	The response time. Unit: milliseconds.
path	String	/aso/inventory/integrate/presentDetail	The request path.

serverRole	String	aso-mgr.asmgr#	The server role.
responseVersion	String	v1	The version of the response.
errorCode	String	""	The error code.
errorTitle	String	""	The title of the error message.
errorMessage	String	""	The error message.
requestId	String	0ab408921688116 7637553107d0045	The request ID.
eagleEyeTraceId	String	0ab408921688116 7637553107d0045	The EagleEye ID.
data	Struct		The response data.
-list	Array		The returned data.
--regionId	String	cn-XX-XX-XX	The region.
--cluster	String	OssHybridCluster-A-XX-XX	The cluster name.
--dimension	String	sale	The dimension. For more information, see the Supplementary details on GetIntegratedProductInventory.
--dimensionValue	String	flavor	The sub-dimension. For more information, see the Supplementary details on GetIntegratedProductInventory.
--metric	String	disk_type	The metric.
--metricValue	String	default	The value of the metric.
--unit	String	GB	The unit of the metric.
--total	Integer	128778	The total capacity.

--used	Integer	58142	The used capacity.
--free	Integer	70635	The remaining capacity.
--usage	Integer	45	The usage. For example, a value of 45 indicates that the utilization is 45%.
-pageInfo	Struct		The pagination information.
--currentPage	Integer	1	The page number.
--pageSize	Integer	20	The number of entries per page.
--total	Long	30	The total number of entries returned.
--totalPage	Long	2	The total number of pages returned.

Examples

Sample requests

```
GET /openapi/popResource/aso/inventory/integrate/presentDetail HTTP/1.1
&product=oss
&<Common request parameters>
```

Sample success responses

`JSON` format

```
{
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/inventory/integrate/presentDetail",
 "eagleEyeTraceId":"0ab4089216881167637553107d0045",
 "cost":22,
 "responseVersion":"v1",
 "data":{
  "pageInfo":{
   "total":30,
   "totalPage":2,
   "pageSize":20,
   "currentPage":1
  },
  "list":{
   "cluster":"OssHybridCluster-A-XX-XX",
   "unit":"GB",
   "total":128778,
   "dimensionValue":"flavor",
   "regionId":"cn-XX-XX-XX",
   "metric":"disk_type",
   "usage":45,
   "metricValue":"default",
   "used":58142,
   "free":70635,
   "dimension":"sale"
  }
 },
 "success":true,
 "errorTitle":"\"\"",
 "requestId":"0ab4089216881167637553107d0045",
 "errorMessage":"\"\"",
 "errorCode":"\"\""
}
```


7.1.2.15.1. Supplementary details on GetIntegratedProductInventory

This topic provides supplementary details on the request and response parameters of the `GetIntegratedProductInventory` operation.

Request parameters	Response parameters				
Service code	**Dimension**	**Dimension value**	**Unit**	**Metric**	**Metric value**

ecs	sale - service logical capacity	flavor - capacity	Core	cpu_type	• share: shared ECS instance. • exclude: dedicated ECS instance. • bareMetal: ECS bare metal instance. • default: unknown.
	sale - service logical capacity	flavor - capacity	GB	mem_type	default: the default value, which is of a non-enumeration type.
ebs	sale - service logical capacity	flavor - capacity	GB	disk_type	The valid values are the specifications supported by Elastic Block Storage (EBS). Examples: IO7, IO8, IO15, and IO16.
oss	sale - service logical capacity	flavor - capacity	GB	disk_type	• HYBRID: hybrid flash storage. • SSD: all-flash storage.
nas	sale - service logical capacity	flavor - capacity	GB	disk_type	• HYBRID: hybrid flash storage. • SSD: all-flash storage.
ots	sale - service logical capacity	flavor - capacity	GB	disk_type	• HYBRID: hybrid flash storage. • SSD: all-flash storage.

sls	sale - service logical capacity	flavor - capacity	GB	disk_type	• HYBRID: hybrid flash storage. • SSD: all-flash storage.
slb	sale - service logical capacity	flavor - capacity	N/A	internet	default: the default value, which is of a non-enumeration type.
			N/A	intranet	default: the default value, which is of a non-enumeration type.
rds	sale - service logical capacity	The instance engine. Valid values: • redis • pgsql • mongodb • mysql • gpdb • ppassql • hbase • mssql	Core	cpu_type	• blank: empty host. • share: shared ECS instance. • exclude: dedicated ECS instance.
			GB	mem_type	
			GB	disk_type	

7.1.3. Inspections

7.1.3.1. InspectionGetTaskList

Queries inspection scenarios.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
page	Integer	Query	No	1	The page number.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. • true • false
cost	Long	74	The response time. Unit: milliseconds.
path	String	/aso/inspection/somepath	The request path.
serverRole	String	inspection#	The server role.
responseVersion	String	v1	The version of the response.
errorCode	String	""	The error code.

errorTitle	String	""	The title of the error message.
errorMessage	String	""	The error message.
requestId	String	8ae2a476-52b1-4bac-98c4-4ca17671482a	The request ID.
eagleEyeTraceId	String	""	The EagleEye ID.
data	Struct		The response data.
-objectList	Array		The queried inspection scenarios.
--inspectionItems	Array		The inspection items.
---id	Long	10001	The inspection item ID.
---inspectionCategoryId	Long	10001	The ID of the inspection item category.
---name	String	Network inspection	The name of the inspection item.
---description	String	Network inspection	The description of the inspection item.
---preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
---capabilityId	Long	1	The ID of the atomic capability.
---capabilityParam	Map	{"":""}	The parameters of the atomic capability.

---active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
---atomCapability	Struct		The information about the atomic capability.
----id	Long	1	The ID of the atomic capability.
----name	String	Network inspection	The name of the atomic capability.
----description	String	Network inspection	The description of the atomic capability.
----preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
----capabilityType	Integer	1	The ID of the atomic capability category.
----capabilityTypeName	String	Script	The name of the atomic capability category.
----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
----content	Map	{"":""}	The parameters of the atomic capability.
---executionResult	Struct		The execution result of the inspection item.
----dimensionTitles	String	""	The dimensions of the inspection item.

----checkResults	Array		The details of the inspection result.
-----dimensions	String	""	The returned values of the dimensions.
-----id	Long	1	The ID of the dimension entry.
-----atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
-----checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----description	String	Inspection succeeded	The description of the inspection result.
-----detail	String	Inspection succeeded	The details of the inspection result.
----id	Long	1	The ID of the execution result.
----capabilityId	Long	1	The ID of the atomic capability.
----param	Map	{"":""}	The parameters of the atomic capability.
----status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
----message	String	Inspection succeeded	The message that indicates the inspection result.
----extraInfo	String	Inspection succeeded	The details of the inspection result.

----checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
----executionType	Integer	0	The execution type.
----taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
----configId	Long	1	The configuration ID.
----capability	Struct		The information about the atomic capability.
-----id	Long	1	The ID of the atomic capability.
-----name	String	Network inspection	The name of the atomic capability.
-----description	String	Network inspection	The description of the atomic capability.
-----preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
-----capabilityType	Integer	1	The ID of the atomic capability category.

----- capabilityTypeName	String	Script	The name of the atomic capability category.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----content	Map	{"":""}	The parameters of the atomic capability.
----statistics	Struct		The statistics of inspection items.
----- totalItemsCount	Integer	10	The total number of inspection items.
----- executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
----- executionInitCount	Integer	1	The number of inspection items that are being initialized.
----- executingItemsCount	Integer	1	The number of inspection items that are being executed.
----- executionSuccessItemsCount	Integer	10	The number of inspection items that were executed successfully.
----- executionFaileldItemsCount	Integer	0	The number of failed inspection items.
----- errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
----- warningItemsCount	Integer	0	The number of inspection items that triggered an alert.

----- normalItemsCount	Integer	10	The number of normal inspection items.
----- errorDetailCount	Integer	0	The number of returned inspection errors.
----- warningDetailCount	Integer	0	The number of returned inspection alerts.
----- normalDetailCount	Integer	10	The number of normal check items.
----- cancelDetailCount	Integer	0	The number of cancelled check items.
----- totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
--schedules	Array		The configuration for scheduled inspection items.
---weekDays	Integer	1	The day of the week to execute the inspection item.
---timeStr	String	12:01:26	The time to execute the inspection item.
-- inspectionCategories	Array		The information about the inspection category.
--- subCategories	Array		The information about the inspection sub-category.
---- inspectionItems	Array		The inspection items.
-----id	Long	1	The inspection item ID.

-----inspectionCategoryId	Long	1	The ID of the inspection item category.
-----name	String	Network inspection	The name of the inspection item.
-----description	String	Network inspection	The description of the inspection item.
-----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
-----capabilityId	Long	1	The ID of the atomic capability.
-----capabilityParam	Map	{"":""}	The parameters of the atomic capability.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----atomCapability	Struct		The information about the atomic capability.
------id	Long	1	The ID of the atomic capability.
------name	String	Network inspection	The name of the atomic capability.
------description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------capabilityType	Integer	1	The ID of the atomic capability category.

------capabilityTypeName	String	Script	The name of the atomic capability category.
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
-----executionResult	Struct		The execution result of the inspection item.
------dimensionTitles	String	""	The dimensions of the inspection item.
------checkResults	Array		The details of the inspection result.
-------dimensions	String	""	The returned values of the dimensions.
-------id	Long	1	The ID of the dimension entry.
-------atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
-------checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
-------description	String	Inspection succeeded	The description of the inspection result.
-------detail	String	Inspection succeeded	The details of the inspection result.
------id	Long	1	The ID of the execution result.

------capabilityId	Long	1	The ID of the atomic capability.
------param	Map	{"":""}	The parameters of the atomic capability.
------status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
------message	String	Inspection succeeded	The message that indicates the inspection result.
------extraInfo	String	Inspection succeeded	The details of the inspection result.
------checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
------startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
------endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
------updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
------executionType	Integer	1	The execution type.
------taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
------configId	Long	1	The configuration ID.

------capability	Struct		The information about the atomic capability.
-------id	Long	1	The ID of the atomic capability.
-------name	String	Network inspection	The name of the atomic capability.
------- description	String	Network inspection	The description of the atomic capability.
-------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------- capabilityType	Integer	1	The ID of the atomic capability category.
------- capabilityType Name	String	Script	The name of the atomic capability category.
-------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-------content	Map	{"":""}	The parameters of the atomic capability.
------statistics	Struct		The statistics of inspection items.
------- totalItemsCount	Integer	10	The total number of inspection items.
------- executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
------- executionInitCount	Integer	1	The number of inspection items that are being initialized.

-------executingItemsCount	Integer	1	The number of inspection items that are being executed.
-------executionSuccessItemsCount	Integer	10	The number of inspection items that were executed successfully.
-------executionFailedItemsCount	Integer	0	The number of failed inspection items.
-------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
-------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
-------normalItemsCount	Integer	10	The number of normal inspection items.
-------errorDetailCount	Integer	0	The number of returned inspection errors.
-------warningDetailCount	Integer	0	The number of returned inspection alerts.
-------normalDetailCount	Integer	10	The number of normal check items.
-------cancelDetailCount	Integer	0	The number of cancelled check items.
-------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
----id	Long	1	The ID of the inspection item category.
----name	String	Basic inspection	The name of the inspection category.

----code	String	network	The code of the inspection category.
----parentId	Long	0	The ID of the inspection item category.
----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
----checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
----order	Integer	0	The order of inspection items.
----inspectionItemStatistics	Struct		The statistics of inspection items.
-----totalItemsCount	Integer	10	The total number of inspection items.
-----executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
-----executionInitCount	Integer	1	The number of inspection items that are being initialized.

----- executingItemsCount	Integer	1	The number of inspection items that are being executed.
----- executionSuccessItemsCount	Integer	10	The number of inspection items that were executed successfully.
----- executionFailedItemsCount	Integer	0	The number of failed inspection items.
----- errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
----- warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
----- normalItemsCount	Integer	10	The number of normal inspection items.
----- errorDetailCount	Integer	0	The number of returned inspection errors.
----- warningDetailCount	Integer	0	The number of returned inspection alerts.
----- normalDetailCount	Integer	10	The number of normal check items.
----- cancelDetailCount	Integer	0	The number of cancelled check items.
----- totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
--- inspectionItems	Array		The inspection items.

----id	Long	10001	The inspection item ID.
----inspectionCategoryId	Long	10001	The ID of the inspection item category.
----name	String	Network inspection	The name of the inspection item.
----description	String	Network inspection	The description of the inspection item.
----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
----capabilityId	Long	1	The ID of the atomic capability.
----capabilityParam	Map	{"":""}	The parameters of the atomic capability.
----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
----atomCapability	Struct		The information about the atomic capability.
-----id	Long	1	The ID of the atomic capability.
-----name	String	Network inspection	The name of the atomic capability.
-----description	String	Network inspection	The description of the atomic capability.
-----preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false

----- capabilityType	Integer	1	The ID of the atomic capability category.
----- capabilityTypeName	String	Script	The name of the atomic capability category.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----content	Map	{"":""}	The parameters of the atomic capability.
---- executionResult	Struct		The execution result of the inspection item.
----- dimensionTitles	String	""	The dimensions of the inspection item.
----- checkResults	Array		The details of the inspection result.
------ dimensions	String	""	The returned values of the dimensions.
------id	Long	1	The ID of the dimension entry.
------ atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
------ checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
------ description	String	Inspection succeeded	The description of the inspection result.
------detail	String	Inspection succeeded	The details of the inspection result.

-----id	Long	1	The ID of the execution result.
----- capabilityId	Long	1	The ID of the atomic capability.
-----param	Map	{"":""}	The parameters of the atomic capability.
-----status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-----message	String	Inspection succeeded	The message that indicates the inspection result.
-----extraInfo	String	Inspection succeeded	The details of the inspection result.
----- checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----- updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
----- executionType	Integer	0	The execution type.
----- taskExecutionId	Long	1	The ID of the scenario-specific inspection task.

-----configId	Long	1	The configuration ID.
-----capability	Struct		The information about the atomic capability.
------id	Long	1	The ID of the atomic capability.
------name	String	Network inspection	The name of the atomic capability.
------ description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------ capabilityType	Integer	1	The ID of the atomic capability category.
------ capabilityType Name	String	Script	The name of the atomic capability category.
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
-----statistics	Struct		The statistics of inspection items.
------ totalItemsCou nt	Integer	10	The total number of inspection items.
------ executionSkip pedItemsCoun t	Integer	1	The number of inspection items that were skipped.

------executionInitCount	Integer	1	The number of inspection items that are being initialized.
------executingItemsCount	Integer	1	The number of inspection items that are being executed.
------executionSuccessItemsCount	Integer	10	The number of inspection items that were executed successfully.
------executionFailedItemsCount	Integer	0	The number of failed inspection items.
------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
------normalItemsCount	Integer	10	The number of normal inspection items.
------errorDetailCount	Integer	0	The number of returned inspection errors.
------warningDetailCount	Integer	0	The number of returned inspection alerts.
------normalDetailCount	Integer	10	The number of normal check items.
------cancelDetailCount	Integer	0	The number of cancelled check items.

------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---id	Long	1	The ID of the inspection item category.
---name	String	Network inspection	The name of the inspection category.
---code	String	network	The code of the inspection category.
---parentId	Long	0	The ID of the inspection item category.
---startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
---endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
---executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
---checkStatus	Integer	0	The inspection result. Valid values: • 0: normal. • 1: alerting. • 2: error.
---order	Integer	0	The order of inspection items.
---inspectionItemStatistics	Struct		The statistics of inspection items.
----totalItemsCount	Integer	10	The total number of inspection items.

----executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
----executionInitCount	Integer	1	The number of inspection items that are being initialized.
----executingItemsCount	Integer	1	The number of inspection items that are being executed.
----executionSuccessItemsCount	Integer	10	The number of inspection items that were executed successfully.
----executionFailedItemsCount	Integer	0	The number of failed inspection items.
----errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
----warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
----normalItemsCount	Integer	10	The number of normal inspection items.
----errorDetailCount	Integer	0	The number of returned inspection errors.
----warningDetailCount	Integer	0	The number of returned inspection alerts.
----normalDetailCount	Integer	10	The number of normal check items.

----cancelDetailCount	Integer	0	The number of cancelled check items.
----totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
--inspectionItemsCount	Integer	100	The total number of inspection items.
--id	Long	1	The ID of the scenario.
--name	String	Network inspection	The name of the scenario.
--description	String	Network inspection	The description of the scenario.
--preinstall	Boolean	true	Indicates whether the scenario is preset. Valid values: • true • false
--active	Boolean	true	Indicates whether the scenario is activated. Valid values: • true • false
--createTime	String	2023-07-25T12:01:26.000+0000	The time when the automatic snapshot policy was created.
--createUserName	String	opsadmin	The username.
--executionCount	Integer	10	The number of times an execution is performed.
--orders	Integer	0	The order of inspection scenarios.
-totalPage	Integer	2	The total number of pages returned.

-pageSize	Integer	15	The number of entries per page.
-total	Integer	20	The total number of entries.
-page	Integer	1	The page number.

Example

Sample requests

```
GET /openapi/popResource/aso/inspection/api/inspection/getTaskList HTTP/1.1
&<Common request parameters>
```

Sample success responses

`JSON` format


```
{
 "serverRole":"inspection#",
 "path":"/aso/inspection/somepath",
 "eagleEyeTraceId":"\"\"",
 "cost":74,
 "responseVersion":"v1",
 "data":{
  "total":20,
  "totalPage":2,
  "pageSize":15,
  "page":1,
  "-objectList":{
   "preinstall":true,
   "description":"Network inspection",
   "active":true,
   "createUserName":"opsadmin",
   "inspectionCategories":{
    "checkStatus":0,
    "code":"network",
    "executionStatus":0,
    "name":"Network inspection",
    "inspectionItemStatistics":{
     "totalItemsCount":10,
     "totalDetailCount":10,
     "executionSkippedItemsCount":1,
     "executionInitCount":1,
     "errorItemsCount":0,
     "normalItemsCount":10,
     "errorDetailCount":0,
     "executionSuccessItemsCount":10,
     "warningItemsCount":0,
     "warningDetailCount":0,
     "normalDetailCount":10,
     "cancelDetailCount":0,
     "executionFailedItemsCount":0,
```

```
    "executingItemsCount":1
   },
   "inspectionItems":{
    "executionResult":{
     "capabilityId":1,
     "dimensionTitles":"\"\"",
     "executionType":0,
     "capability":{
      "preinstall":true,
      "name":"Network inspection",
      "description":"Network inspection",
      "active":true,
      "capabilityTypeName":"Script",
      "id":1,
      "capabilityType":1,
      "content":{
       "":""
      }
     },
     "updateTime":"2023-08-25T12:01:26.000+0000",
     "message":"Inspection succeeded",
     "statistics":{
      "totalItemsCount":10,
      "totalDetailCount":10,
      "executionSkippedItemsCount":1,
      "executionInitCount":1,
      "errorItemsCount":0,
      "normalItemsCount":10,
      "errorDetailCount":0,
      "executionSuccessItemsCount":10,
      "warningItemsCount":0,
      "warningDetailCount":0,
      "normalDetailCount":10,
      "cancelDetailCount":0,
      "executionFailedItemsCount":0,
      "executingItemsCount":1
     },
     "checkStatus":0,
     "taskExecutionId":1,
     "param":{
      "":""
     },
     "configId":1,
     "checkResults":{
      "checkStatus":0,
      "description":"Inspection succeeded",
      "id":1,
      "detail":"Inspection succeeded",
      "dimensions":"\"\"",
      "atomCapabilityExecutionId":1
     },
     "startTime":"2023-07-25T12:01:26.000+0000",
     "id":1,
     "endTime":"2023-09-25T12:01:26.000+0000",
```

```
      "status":0,
      "extraInfo":"Inspection succeeded"
     },
     "inspectionCategoryId":10001,
     "capabilityId":1,
     "preinstall":true,
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      "description":"Network inspection",
      "active":true,
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      "id":1,
      "capabilityType":1,
      "content":{
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      }
     },
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     "active":true,
     "id":10001,
     "capabilityParam":{
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     }
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      "executionInitCount":1,
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      "errorDetailCount":0,
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      "warningDetailCount":0,
      "normalDetailCount":10,
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      "executingItemsCount":1
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         "id":1,
         "detail":"Inspection succeeded",
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         "description":"Network inspection",
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```

```
        },
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        "id":1,
        "endTime":"2023-09-25T12:01:26.000+0000",
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        "extraInfo":"Inspection succeeded"
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      "endTime":"2023-09-25T12:01:26.000+0000",
      "parentId":0,
      "order":0
     },
     "id":1,
     "endTime":"2023-09-25T12:01:26.000+0000",
     "parentId":0,
     "order":0
    },
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       "description":"Network inspection",
       "active":true,
       "capabilityTypeName":"Script",
       "id":1,
       "capabilityType":1,
       "content":{
        "":""
       }
      },
      "capabilityId":1,
      "dimensionTitles":"\"\"",
      "executionType":0,
      "checkResults":{
       "checkStatus":0,
       "description":"Inspection succeeded",
```

```
      "description":"Inspection succeeded",
      "id":1,
      "detail":"Inspection succeeded",
      "dimensions":"\"\"",
      "atomCapabilityExecutionId":1
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     "updateTime":"2023-08-25T12:01:26.000+0000",
     "message":"Inspection succeeded",
     "statistics":{
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      "totalDetailCount":10,
      "executionSkippedItemsCount":1,
      "executionInitCount":1,
      "errorItemsCount":0,
      "normalItemsCount":10,
      "errorDetailCount":0,
      "executionSuccessItemsCount":10,
      "warningItemsCount":0,
      "warningDetailCount":0,
      "normalDetailCount":10,
      "cancelDetailCount":0,
      "executionFailedItemsCount":0,
      "executingItemsCount":1
     },
     "checkStatus":0,
     "taskExecutionId":1,
     "param":{
      "":""
     },
     "configId":1,
     "startTime":"2023-07-25T12:01:26.000+0000",
     "id":1,
     "endTime":"2023-09-25T12:01:26.000+0000",
     "status":0,
     "extraInfo":"Inspection succeeded"
    },
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     "name":"Network inspection",
     "description":"Network inspection",
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     "id":1,
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     "content":{
      "":""
     }
    },
    "id":10001,
    "capabilityParam":{
     "":""
    }
   },
   "inspectionItemsCount":100,
   "schedules":{
```

```
    "weekDays":1,
    "timeStr":"12:01:26"
   },
   "createTime":"2023-07-25T12:01:26.000+0000",
   "name":"Network inspection",
   "executionCount":10,
   "orders":0,
   "id":1
  }
 },
 "success":true,
 "errorTitle":"\"\"",
 "requestId":"8ae2a476-52b1-4bac-98c4-4ca17671482a",
 "errorMessage":"\"\"",
 "errorCode":"\"\""
}
```


7.1.3.2. InspectionGetTaskExecution

Queries inspection records.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.

Parameter	Type	Position	Required	Example	Description
page	Integer	Query	No	1	The page number.
taskId	Long	Query	No	1	The ID of the inspection scenario.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. • true • false
cost	Long	74	The response time. Unit: milliseconds.
path	String	/aso/inspection/somepath	The request path.
serverRole	String	""	The server role.
responseVersion	String	v1	The version of the response.
errorCode	String	""	The error code.
errorTitle	String	""	The title of the error message.
errorMessage	String	""	The error message.
requestId	String	8ae2a476-52b1-4bac-98c4-4ca17671482a	The request ID.
eagleEyeTraceId	String	""	The EagleEye ID.
data	Struct		The response data.
-objectList	Array		The queried inspection records.
--id	Long	1	The ID of the inspection task.

Parameter	Type	Example	Description
--executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
--createTime	String	2023-07-25T12:01:26.000+0000	The time when the automatic snapshot policy was created.
--startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
--endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
--executorUserName	String	opsadmin	The user who executed the inspection item.
--message	String	Inspection succeeded	The message that indicates the inspection result.
--extraInfo	String	Inspection succeeded	The details of the inspection result.
--inspectionTask	Struct		The information about the inspection scenario.
---inspectionItems	Array		The inspection items.
----id	Long	10001	The inspection item ID.
----inspectionCategoryId	Long	10001	The ID of the inspection category.
----name	String	Network inspection	The name of the inspection item.
----description	String	Network inspection	The description of the inspection item.

Parameter	Type	Example	Description
----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
----capabilityId	Long	1	The ID of the atomic capability.
----capabilityParam	Map	{"":""}	The parameters of the atomic capability.
----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
----atomCapability	Struct		The information about the atomic capability.
-----id	Long	1	The ID of the atomic capability.
-----name	String	Network inspection	The name of the atomic capability.
-----description	String	Network inspection	The description of the atomic capability.
-----preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
-----capabilityType	Integer	1	The ID of the atomic capability category.
-----capabilityTypeName	String	Script	The name of the atomic capability category.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----content	Map	{"":""}	The parameters of the atomic capability.

Parameter	Type	Example	Description
----executionResult	Struct		The execution result of the inspection item.
-----dimensionTitles	String	""	The dimensions of the inspection item.
-----checkResults	Array		The details of the inspection result.
------dimensions	String	""	The returned values of the dimensions.
------id	Long	1	The ID of the dimension entry.
------atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
------checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
------description	String	Inspection succeeded	The description of the inspection result.
------detail	String	Inspection succeeded	The details of the inspection result.
-----id	Long	1	The ID of the execution result.
-----capabilityId	Long	1	The ID of the atomic capability.
-----param	Map	{"":""}	The parameters of the atomic capability.
-----status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-----message	String	Inspection succeeded	The message that indicates the inspection result.

Parameter	Type	Example	Description
-----extraInfo	String	Inspection succeeded	The details of the inspection result.
----- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----- updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
----- executionType	Integer	0	The execution type.
----- taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
-----configId	Long	1	The configuration ID.
-----capability	Struct		The information about the atomic capability.
------id	Long	1	The ID of the atomic capability.
------name	String	Network inspection	The name of the atomic capability.
------ description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------ capabilityType	Integer	1	The ID of the atomic capability category.
------ capabilityType Name	String	Script	The name of the atomic capability category.

Parameter	Type	Example	Description
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
-----statistics	Struct		The statistics of inspection items.
------ totalItemsCount	Integer	10	The total number of inspection items.
------ executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
------ executionInitCount	Integer	1	The number of inspection items that are being initialized.
------ executingItemsCount	Integer	1	The number of inspection items that are being executed.
------ executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
------ executionFailedItemsCount	Integer	0	The number of failed inspection items.
------ errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
------ warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
------ normalItemsCount	Integer	10	The number of normal inspection items.
------ errorDetailCount	Integer	0	The number of returned inspection errors.
------ warningDetailCount	Integer	0	The number of returned inspection alerts.

Parameter	Type	Example	Description
------normalDetailCount	Integer	10	The number of normal check items.
------cancelDetailCount	Integer	0	The number of cancelled check items.
------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---schedules	Array		The configuration for scheduled inspection items.
----weekDays	Integer	1	The day of the week to execute the inspection item.
----timeStr	String	12:01:26	The time to execute the inspection item.
---inspectionCategories	Array		The information about the inspection category.
----subCategories	Array		The information about the inspection sub-category.
-----inspectionItems	Array		The inspection items.
------id	Long	1	The inspection item ID.
------inspectionCategoryId	Long	1	The ID of the inspection category.
------name	String	Network inspection	The name of the inspection item.
------description	String	Network inspection	The description of the inspection item.
------preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
------capabilityId	Long	1	The ID of the atomic capability.

Parameter	Type	Example	Description
------capabilityParam	Map	{"":""}	The parameters of the atomic capability.
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------atomCapability	Struct		The information about the atomic capability.
-------id	Long	1	The ID of the atomic capability.
-------name	String	Network inspection	The name of the atomic capability.
-------description	String	Network inspection	The description of the atomic capability.
-------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
-------capabilityType	Integer	1	The ID of the atomic capability category.
-------capabilityTypeName	String	Script	The name of the atomic capability category.
-------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-------content	Map	{"":""}	The parameters of the atomic capability.
------executionResult	Struct		The execution result of the inspection item.
-------dimensionTitles	String	""	The dimensions of the inspection item.
-------checkResults	Array		The details of the inspection result.

Parameter	Type	Example	Description
--------dimensions	String	""	The returned values of the dimensions.
--------id	Long	1	The ID of the dimension entry.
--------atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
--------checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
--------description	String	Inspection succeeded	The description of the inspection result.
--------detail	String	Inspection succeeded	The result of the check item.
-------id	Long	1	The ID of the execution result.
-------capabilityId	Long	1	The ID of the atomic capability.
-------param	Map	{"":""}	The parameters of the atomic capability.
-------status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-------message	String	Inspection succeeded	The message that indicates the inspection result.
-------extraInfo	String	Inspection succeeded	The details of the inspection result.
-------checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.

Parameter	Type	Example	Description
-------startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-------endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
------- updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
------- executionType	Integer	1	The execution type.
------- taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
-------configId	Long	1	The configuration ID.
-------capability	Struct		The information about the atomic capability.
--------id	Long	1	The ID of the atomic capability.
--------name	String	Network inspection	The name of the atomic capability.
-------- description	String	Network inspection	The description of the atomic capability.
--------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
-------- capabilityType	Integer	1	The ID of the atomic capability category.
-------- capabilityType Name	String	Script	The name of the atomic capability category.
--------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
--------content	Map	{"":""}	The parameters of the atomic capability.

Parameter	Type	Example	Description
-------statistics	Struct		The statistics of inspection items.
-------- totalItemsCount	Integer	10	The total number of inspection items.
-------- executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
-------- executionInitCount	Integer	1	The number of inspection items that are being initialized.
-------- executingItemsCount	Integer	1	The number of inspection items that are being executed.
-------- executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
-------- executionFailedItemsCount	Integer	0	The number of failed inspection items.
-------- errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
-------- warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
-------- normalItemsCount	Integer	10	The number of normal inspection items.
-------- errorDetailCount	Integer	0	The number of returned inspection errors.
-------- warningDetailCount	Integer	0	The number of returned inspection alerts.
-------- normalDetailCount	Integer	10	The number of normal check items.
-------- cancelDetailCount	Integer	0	The number of cancelled check items.

Parameter	Type	Example	Description
--------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
-----id	Long	1	The ID of the inspection category.
-----name	String	Basic inspection	The name of the inspection category.
-----code	String	network	The code of the inspection category.
-----parentId	Long	0	The ID of the inspection category.
-----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
-----executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-----checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----order	Integer	0	The order of inspection items.
-----inspectionItemStatistics	Struct		The statistics of inspection items.
------totalItemsCount	Integer	10	The total number of inspection items.
------executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.

Parameter	Type	Example	Description
------executionInitCount	Integer	1	The number of inspection items that are being initialized.
------executingItemsCount	Integer	1	The number of inspection items that are being executed.
------executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
------executionFailedItemsCount	Integer	0	The number of failed inspection items.
------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
------normalItemsCount	Integer	10	The number of normal inspection items.
------errorDetailCount	Integer	0	The number of returned inspection errors.
------warningDetailCount	Integer	0	The number of returned inspection alerts.
------normalDetailCount	Integer	10	The number of normal check items.
------cancelDetailCount	Integer	0	The number of cancelled check items.
------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
----inspectionItems	Array		The inspection items.
-----id	Long	10001	The inspection item ID.

Parameter	Type	Example	Description
-----inspectionCategoryId	Long	10001	The ID of the inspection category.
-----name	String	Network inspection	The name of the inspection item.
-----description	String	Network inspection	The description of the inspection item.
-----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
-----capabilityId	Long	1	The ID of the atomic capability.
-----capabilityParam	Map	{"":""}	The parameters of the atomic capability.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----atomCapability	Struct		The information about the atomic capability.
------id	Long	1	The ID of the atomic capability.
------name	String	Network inspection	The name of the atomic capability.
------description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------capabilityType	Integer	1	The ID of the atomic capability category.
------capabilityTypeName	String	Script	The name of the atomic capability category.

Parameter	Type	Example	Description
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
----- executionResult	Struct		The execution result of the inspection item.
------ dimensionTitles	String	""	The dimensions of the inspection item.
------ checkResults	Array		The details of the inspection result.
------- dimensions	String	""	The returned values of the dimensions.
-------id	Long	1	The ID of the dimension entry.
------- atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
------- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
------- description	String	Inspection succeeded	The description of the inspection result.
-------detail	String	Inspection succeeded	The result of the check item.
------id	Long	1	The ID of the execution result.
------ capabilityId	Long	1	The ID of the atomic capability.
------param	Map	{"":""}	The parameters of the atomic capability.

Parameter	Type	Example	Description
------status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
------message	String	Inspection succeeded	The message that indicates the inspection result.
------extraInfo	String	Inspection succeeded	The details of the inspection result.
------ checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
------startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
------endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
------ updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection result.
------ executionType	Integer	0	The execution type.
------ taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
------configId	Long	1	The configuration ID.
------capability	Struct		The information about the atomic capability.
-------id	Long	1	The ID of the atomic capability.
-------name	String	Network inspection	The name of the atomic capability.

Parameter	Type	Example	Description
------- description	String	Network inspection	The description of the atomic capability.
-------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------- capabilityType	Integer	1	The ID of the atomic capability category.
------- capabilityType Name	String	Script	The name of the atomic capability category.
-------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-------content	Map	{"":""}	The parameters of the atomic capability.
------statistics	Struct		The statistics of inspection items.
------- totalItemsCou nt	Integer	10	The total number of inspection items.
------- executionSkip pedItemsCoun t	Integer	1	The number of inspection items that were skipped.
------- executionInitC ount	Integer	1	The number of inspection items that are being initialized.
------- executingItem sCount	Integer	1	The number of inspection items that are being executed.
------- executionSucc essItemsCount	Integer	10	The number of inspection items that were successful.
------- executionFaile dItemsCount	Integer	0	The number of failed inspection items.
------- errorItemsCou nt	Integer	0	The number of inspection items on which an error occurred.

Parameter	Type	Example	Description
-------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
-------normalItemsCount	Integer	10	The number of normal inspection items.
-------errorDetailCount	Integer	0	The number of returned inspection errors.
-------warningDetailCount	Integer	0	The number of returned inspection alerts.
-------normalDetailCount	Integer	10	The number of normal check items.
-------cancelDetailCount	Integer	0	The number of cancelled check items.
-------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
----id	Long	1	The ID of the inspection category.
----name	String	Network inspection	The name of the inspection category.
----code	String	network	The code of the inspection category.
----parentId	Long	0	The ID of the inspection category.
----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.

Parameter	Type	Example	Description
----checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
----order	Integer	0	The order of inspection items.
----inspectionItemStatistics	Struct		The statistics of inspection items.
-----totalItemsCount	Integer	10	The total number of inspection items.
-----executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
-----executionInitCount	Integer	1	The number of inspection items that are being initialized.
-----executingItemsCount	Integer	1	The number of inspection items that are being executed.
-----executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
-----executionFailedItemsCount	Integer	0	The number of failed inspection items.
-----errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
-----warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
-----normalItemsCount	Integer	10	The number of normal inspection items.
-----errorDetailCount	Integer	0	The number of returned inspection errors.
-----warningDetailCount	Integer	0	The number of returned inspection alerts.

Parameter	Type	Example	Description
-----normalDetailCount	Integer	10	The number of normal check items.
-----cancelDetailCount	Integer	0	The number of cancelled check items.
-----totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---inspectionItemsCount	Integer	100	The total number of inspection items.
---id	Long	1	The ID of the scenario.
---name	String	Network inspection	The name of the scenario.
---description	String	Network inspection	The description of the scenario.
---preinstall	Boolean	true	Indicates whether the scenario is preset. Valid values: • true • false
---active	Boolean	true	Indicates whether the scenario is activated. Valid values: • true • false
---createTime	String	2023-09-25T12:01:26.000+0000	The time when the automatic snapshot policy was created.
---createUserName	String	opsadmin	The user who created the inspection item.
---executionCount	Integer	10	The number of times the inspection item was executed.
---orders	Integer	0	The order of inspection scenarios.
--inspectionItemStatistics	Struct		The statistics of inspection items.

Parameter	Type	Example	Description
---totalItemsCount	Integer	10	The total number of inspection items.
---executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
---executionInitCount	Integer	1	The number of inspection items that are being initialized.
---executingItemsCount	Integer	1	The number of inspection items that are being executed.
---executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
---executionFailedItemsCount	Integer	0	The number of failed inspection items.
---errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
---warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
---normalItemsCount	Integer	10	The number of normal inspection items.
---errorDetailCount	Integer	0	The number of returned inspection errors.
---warningDetailCount	Integer	0	The number of returned inspection alerts.
---normalDetailCount	Integer	10	The number of normal check items.
---cancelDetailCount	Integer	0	The number of cancelled check items.
---totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.

Parameter	Type	Example	Description
-totalPage	Integer	2	The total number of pages returned.
-pageSize	Integer	15	The number of entries per page.
-total	Integer	20	The total number of entries.
-page	Integer	1	The page number.

Examples

`JSON` format


```
{
 "serverRole":"\"\"",
 "path":"/aso/inspection/somepath",
 "eagleEyeTraceId":"\"\"",
 "cost":74,
 "responseVersion":"v1",
 "data":{
  "total":20,
  "totalPage":2,
  "pageSize":15,
  "page":1,
  "objectList":{
   "executorUserName":"opsadmin",
   "createTime":"2023-07-25T12:01:26.000+0000",
   "inspectionTask":{
    "preinstall":true,
    "inspectionCategories":{
     "checkStatus":0,
     "code":"network",
     "inspectionItemStatistics":{
      "totalItemsCount":10,
      "totalDetailCount":10,
      "executionSkippedItemsCount":1,
      "executionInitCount":1,
      "errorItemsCount":0,
      "normalItemsCount":10,
      "errorDetailCount":0,
      "executionSuccessItemsCount":10,
      "warningItemsCount":0,
      "warningDetailCount":0,
      "normalDetailCount":10,
      "cancelDetailCount":0,
      "executionFailedItemsCount":0,
      "executingItemsCount":1
     },
     "inspectionItems":{
      "atomCapability":{
```

```
        "preinstall":true,
        "name":"Network inspection",
        "description":"Network inspection",
        "active":true,
        "capabilityTypeName":"Script",
        "id":1,
        "capabilityType":1,
        "content":{
         "":""
        }
       },
       "inspectionCategoryId":10001,
       "capabilityId":1,
       "preinstall":true,
       "name":"Network inspection",
       "description":"Network inspection",
       "active":true,
       "id":10001,
       "capabilityParam":{
        "":""
       },
       "executionResult":{
        "checkResults":{
         "checkStatus":0,
         "description":"Inspection succeeded",
         "id":1,
         "detail":"Inspection succeeded",
         "dimensions":"\"\"",
         "atomCapabilityExecutionId":1
        },
        "capabilityId":1,
        "dimensionTitles":"\"\"",
        "executionType":0,
        "statistics":{
         "totalItemsCount":10,
         "totalDetailCount":10,
         "executionSkippedItemsCount":1,
         "executionInitCount":1,
         "errorItemsCount":0,
         "normalItemsCount":10,
         "errorDetailCount":0,
         "executionSuccessItemsCount":10,
         "warningItemsCount":0,
         "warningDetailCount":0,
         "normalDetailCount":10,
         "cancelDetailCount":0,
         "executionFailedItemsCount":0,
         "executingItemsCount":1
        },
        "capability":{
         "preinstall":true,
         "name":"Network inspection",
         "description":"Network inspection",
         "active":true,
```

```
          "capabilityTypeName":"Script",
          "id":1,
          "capabilityType":1,
          "content":{
           "":""
          }
         },
         "updateTime":"2023-08-25T12:01:26.000+0000",
         "message":"Inspection succeeded",
         "checkStatus":0,
         "taskExecutionId":1,
         "param":{
          "":""
         },
         "configId":1,
         "startTime":"2023-07-25T12:01:26.000+0000",
         "id":1,
         "endTime":"2023-09-25T12:01:26.000+0000",
         "status":0,
         "extraInfo":"Inspection succeeded"
        }
       },
       "executionStatus":0,
       "name":"Network inspection",
       "startTime":"2023-07-25T12:01:26.000+0000",
       "id":1,
       "endTime":"2023-09-25T12:01:26.000+0000",
       "subCategories":{
        "checkStatus":0,
        "inspectionItems":{
         "inspectionCategoryId":1,
         "capabilityId":1,
         "preinstall":true,
         "name":"Network inspection",
         "description":"Network inspection",
         "active":true,
         "id":1,
         "capabilityParam":{
          "":""
         },
         "atomCapability":{
          "preinstall":true,
          "name":"Network inspection",
          "description":"Network inspection",
          "active":true,
          "capabilityTypeName":"Script",
          "id":1,
          "capabilityType":1,
          "content":{
           "":""
          }
         },
         "executionResult":{
          "checkResults":{
```

```
        "checkStatus":0,
        "description":"Inspection succeeded",
        "id":1,
        "detail":"Inspection succeeded",
        "dimensions":"\"\"",
        "atomCapabilityExecutionId":1
       },
       "capabilityId":1,
       "dimensionTitles":"\"\"",
       "executionType":1,
       "capability":{
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        "description":"Network inspection",
        "active":true,
        "capabilityTypeName":"Script",
        "id":1,
        "capabilityType":1,
        "content":{
         "":""
        }
       },
       "updateTime":"2023-08-25T12:01:26.000+0000",
       "message":"Inspection succeeded",
       "statistics":{
        "totalItemsCount":10,
        "totalDetailCount":10,
        "executionSkippedItemsCount":1,
        "executionInitCount":1,
        "errorItemsCount":0,
        "normalItemsCount":10,
        "errorDetailCount":0,
        "executionSuccessItemsCount":10,
        "warningItemsCount":0,
        "warningDetailCount":0,
        "normalDetailCount":10,
        "cancelDetailCount":0,
        "executionFailedItemsCount":0,
        "executingItemsCount":1
       },
       "checkStatus":0,
       "taskExecutionId":1,
       "param":{
        "":""
       },
       "configId":1,
       "startTime":"2023-07-25T12:01:26.000+0000",
       "id":1,
       "endTime":"2023-09-25T12:01:26.000+0000",
       "status":0,
       "extraInfo":"Inspection succeeded"
      }
     },
     "code":"network",
     "executionStatus":0
```

```
"executionStatus":0,
"name":"Basic inspection",
"startTime":"2023-07-25T12:01:26.000+0000",
"id":1,
"endTime":"2023-09-25T12:01:26.000+0000",
"parentId":0,
"inspectionItemStatistics":{
 "totalItemsCount":10,
 "totalDetailCount":10,
 "executionSkippedItemsCount":1,
 "executionInitCount":1,
 "errorItemsCount":0,
 "normalItemsCount":10,
 "errorDetailCount":0,
 "executionSuccessItemsCount":10,
 "warningItemsCount":0,
 "warningDetailCount":0,
 "normalDetailCount":10,
 "cancelDetailCount":0,
 "executionFailedItemsCount":0,
 "executingItemsCount":1
},
"order":0
},
"parentId":0,
"order":0
},
"description":"Network inspection",
"active":true,
"createUserName":"opsadmin",
"schedules":{
 "weekDays":1,
 "timeStr":"12:01:26"
},
"inspectionItemsCount":100,
"createTime":"2023-09-25T12:01:26.000+0000",
"name":"Network inspection",
"inspectionItems":{
 "executionResult":{
  "capabilityId":1,
  "dimensionTitles":"\"\"",
  "executionType":0,
  "capability":{
   "preinstall":true,
   "name":"Network inspection",
   "description":"Network inspection",
   "active":true,
   "capabilityTypeName":"Script",
   "id":1,
   "capabilityType":1,
   "content":{
    "":""
   }
  },
  "updateTime":"2023-08-25T12:01:26.000+0000",
```

```
        "message":"Inspection succeeded",
        "statistics":{
         "totalItemsCount":10,
         "totalDetailCount":10,
         "executionSkippedItemsCount":1,
         "executionInitCount":1,
         "errorItemsCount":0,
         "normalItemsCount":10,
         "errorDetailCount":0,
         "executionSuccessItemsCount":10,
         "warningItemsCount":0,
         "warningDetailCount":0,
         "normalDetailCount":10,
         "cancelDetailCount":0,
         "executionFailedItemsCount":0,
         "executingItemsCount":1
        },
        "checkStatus":0,
        "taskExecutionId":1,
        "param":{
         "":""
        },
        "configId":1,
        "checkResults":{
         "checkStatus":0,
         "description":"Inspection succeeded",
         "id":1,
         "detail":"Inspection succeeded",
         "dimensions":"\"\"",
         "atomCapabilityExecutionId":1
        },
        "startTime":"2023-07-25T12:01:26.000+0000",
        "id":1,
        "endTime":"2023-09-25T12:01:26.000+0000",
        "status":0,
        "extraInfo":"Inspection succeeded"
       },
       "inspectionCategoryId":10001,
       "capabilityId":1,
       "preinstall":true,
       "name":"Network inspection",
       "atomCapability":{
        "preinstall":true,
        "name":"Network inspection",
        "description":"Network inspection",
        "active":true,
        "capabilityTypeName":"Script",
        "id":1,
        "capabilityType":1,
        "content":{
         "":""
        }
       },
       "description":"Network inspection",
```

```
      "active":true,
      "id":10001,
      "capabilityParam":{
       "":""
      }
     },
     "executionCount":10,
     "orders":0,
     "id":1
    },
    "inspectionItemStatistics":{
     "totalItemsCount":10,
     "totalDetailCount":10,
     "executionSkippedItemsCount":1,
     "executionInitCount":1,
     "errorItemsCount":0,
     "normalItemsCount":10,
     "errorDetailCount":0,
     "executionSuccessItemsCount":10,
     "warningItemsCount":0,
     "warningDetailCount":0,
     "normalDetailCount":10,
     "cancelDetailCount":0,
     "executionFailedItemsCount":0,
     "executingItemsCount":1
    },
    "executionStatus":0,
    "startTime":"2023-07-25T12:01:26.000+0000",
    "id":1,
    "endTime":"2023-09-25T12:01:26.000+0000",
    "message":"Inspection succeeded",
    "extraInfo":"Inspection succeeded"
   }
  },
  "success":true,
  "errorTitle":"\"\"",
  "requestId":"8ae2a476-52b1-4bac-98c4-4ca17671482a",
  "errorMessage":"\"\"",
  "errorCode":"\"\""
}
```


7.1.3.3. InspectionGetReport

Queries inspection reports.

Request headers

Parameter	Type	Position	Required	Example	Description

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request parameters

Parameter	Type	Position	Required	Example	Description
executionId	Long	Query	Yes	1	The ID of the inspection task.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. • true • false.
cost	Long	74	The response time. Unit: milliseconds.
path	String	/aso/inspection/somepath	The request path.
serverRole	String	""	The server role.
responseVersion	String	v1	The version of the response.
errorCode	String	""	The error code.

Parameter	Type	Example	Description
errorTitle	String	""	The title of the error message.
errorMessage	String	""	The error message.
requestId	String	8ae2a476-52b1-4bac-98c4-4ca17671482a	The request ID.
eagleEyeTraceId	String	""	The EagleEye ID.
data	Struct		The response data.
-suggestion	String	Inspection succeeded	The suggestion.
-inspectionTaskExecution	Struct		The information of the inspection task.
--id	Long	1	The ID of the inspection task.
--executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
--createTime	String	2023-07-25T12:01:26.000+0000	The time when the inspection task was created.
--startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
--endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
--executorUserName	String	opsadmin	The user who executed the inspection task.
--message	String	Inspection succeeded	The message that indicates the inspection result.
--extraInfo	String	Inspection succeeded	The details of the inspection result.

Parameter	Type	Example	Description
--inspectionTask	Struct		The information about the inspection scenario.
---inspectionItems	Array		The inspection items.
----id	Long	10001	The inspection item ID.
----inspectionCategoryId	Long	10001	The ID of the inspection category.
----name	String	Network inspection	The name of the inspection item.
----description	String	Network inspection	The description of the inspection item.
----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
----capabilityId	Long	1	The ID of the atomic capability.
----capabilityParam	Map	{"":""}	The parameters of the atomic capability.
----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
----atomCapability	Struct		The information about the atomic capability.
-----id	Long	1	The ID of the atomic capability.
-----name	String	Network inspection	The name of the atomic capability.
-----description	String	Network inspection	The description of the atomic capability.

Parameter	Type	Example	Description
-----preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
----- capabilityType	Integer	1	The ID of the atomic capability category.
----- capabilityType Name	String	Script	The name of the atomic capability category.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-----content	Map	{"":""}	The parameters of the atomic capability.
---- executionResu lt	Struct		The execution result of the inspection item.
----- dimensionTitle s	String	""	The dimensions of the inspection item.
----- checkResults	Array		The details of the inspection result.
------ dimensions	String	""	The returned values of the dimensions.
------id	Long	1	The ID of the dimension entry.
------ atomCapabilit yExecutionId	Long	1	The ID of the atomic capability task.
------ checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
------ description	String	Inspection succeeded	The description of the inspection result.
------detail	String	Inspection succeeded	The result of the check item.

Parameter	Type	Example	Description
-----id	Long	1	The ID of the execution result.
----- capabilityId	Long	1	The ID of the atomic capability.
-----param	Map	{"":""}	The parameters of the atomic capability.
-----status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-----message	String	Inspection succeeded	The message that indicates the inspection result.
-----extraInfo	String	Inspection succeeded	The details of the inspection result.
----- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----- updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection.
----- executionType	Integer	0	The execution type.
----- taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
-----configId	Long	1	The configuration ID.
-----capability	Struct		The information about the atomic capability.

Parameter	Type	Example	Description
------id	Long	1	The ID of the atomic capability.
------name	String	Network inspection	The name of the atomic capability.
------ description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------ capabilityType	Integer	1	The ID of the atomic capability category.
------ capabilityType Name	String	Script	The name of the atomic capability category.
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
-----statistics	Struct		The statistics of inspection items.
------ totalItemsCou nt	Integer	10	The total number of inspection items.
------ executionSkip pedItemsCoun t	Integer	1	The number of inspection items that were skipped.
------ executionInitC ount	Integer	1	The number of inspection items that are being initialized.
------ executingItem sCount	Integer	1	The number of inspection items that are being executed.
------ executionSucc essItemsCount	Integer	10	The number of inspection items that were successful.

Parameter	Type	Example	Description
------executionFailedItemsCount	Integer	0	The number of failed inspection items.
------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
------normalItemsCount	Integer	10	The number of normal inspection items.
------errorDetailCount	Integer	0	The number of returned inspection errors.
------warningDetailCount	Integer	0	The number of returned inspection alerts.
------normalDetailCount	Integer	10	The number of normal check items.
------cancelDetailCount	Integer	0	The number of cancelled check items.
------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---schedules	Array		The configuration for scheduled inspection items.
----weekDays	Integer	1	The day of the week to execute the inspection item.
----timeStr	String	12:01:26	The time to execute the inspection item.
---inspectionCategories	Array		The information about the inspection category.
----subCategories	Array		The information about the inspection sub-category.

Parameter	Type	Example	Description
-----inspectionItems	Array		The inspection items.
------id	Long	1	The inspection item ID.
------inspectionCategoryId	Long	1	The ID of the inspection category.
------name	String	Network inspection	The name of the inspection item.
------description	String	Network inspection	The description of the inspection item.
------preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
------capabilityId	Long	1	The ID of the atomic capability.
------capabilityParam	Map		The parameters of the atomic capability.
------active	Boolean		Indicates whether the inspection item is activated. Valid values: • true • false
------atomCapability	Struct		The information about the atomic capability.
-------id	Long	1	The ID of the atomic capability.
-------name	String	Network inspection	The name of the atomic capability.
-------description	String	Network inspection	The description of the atomic capability.
-------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false

Parameter	Type	Example	Description
-------capabilityType	Integer	1	The ID of the atomic capability category.
-------capabilityTypeName	String	Script	The name of the atomic capability category.
-------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-------content	Map	{"":""}	The parameters of the atomic capability.
------executionResult	Struct		The execution result of the inspection item.
-------dimensionTitles	String	""	The dimensions of the inspection item.
-------checkResults	Array		The details of the inspection result.
--------dimensions	String	""	The returned values of the dimensions.
--------id	Long	1	The ID of the dimension entry.
--------atomCapabilityExecutionId	Long	1	The ID of the atomic capability task.
--------checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
--------description	String	Inspection succeeded	The description of the inspection result.
--------detail	String	Inspection succeeded	The result of the check item.
-------id	Long	1	The ID of the execution result.
-------capabilityId	Long	1	The ID of the atomic capability.

Parameter	Type	Example	Description
-------param	Map	{"":""}	The parameters of the atomic capability.
-------status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
-------message	String	Inspection succeeded	The message that indicates the inspection result.
-------extraInfo	String	Inspection succeeded	The details of the inspection result.
------- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
-------startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-------endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
------- updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection.
------- executionType	Integer	1	The execution type.
------- taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
-------configId	Long	1	The configuration ID.
-------capability	Struct		The information about the atomic capability.
--------id	Long	1	The ID of the atomic capability.
--------name	String	Network inspection	The name of the atomic capability.

Parameter	Type	Example	Description
--------description	String	Network inspection	The description of the atomic capability.
--------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
--------capabilityType	Integer	1	The ID of the atomic capability category.
--------capabilityTypeName	String	Script	The name of the atomic capability category.
--------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
--------content	Map	{"":""}	The parameters of the atomic capability.
-------statistics	Struct		The statistics of inspection items.
--------totalItemsCount	Integer	10	The total number of inspection items.
--------executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
--------executionInitCount	Integer	1	The number of inspection items that are being initialized.
--------executingItemsCount	Integer	1	The number of inspection items that are being executed.
--------executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
--------executionFailedItemsCount	Integer	0	The number of failed inspection items.
--------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.

Parameter	Type	Example	Description
--------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
--------normalItemsCount	Integer	10	The number of normal inspection items.
--------errorDetailCount	Integer	0	The number of returned inspection errors.
--------warningDetailCount	Integer	0	The number of returned inspection alerts.
--------normalDetailCount	Integer	10	The number of normal check items.
--------cancelDetailCount	Integer	0	The number of cancelled check items.
--------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
-----id	Long	1	The ID of the inspection category.
-----name	String	Basic inspection	The name of the inspection category.
-----code	String	network	The code of the inspection category.
-----parentId	Long	0	The ID of the inspection category.
-----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
-----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
-----executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.

Parameter	Type	Example	Description
----- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
-----order	Integer	0	The order of inspection items.
----- inspectionItemStatistics	Struct		The statistics of inspection items.
------ totalItemsCount	Integer	10	The total number of inspection items.
------ executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
------ executionInitCount	Integer	1	The number of inspection items that are being initialized.
------ executingItemsCount	Integer	1	The number of inspection items that are being executed.
------ executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
------ executionFailedItemsCount	Integer	0	The number of failed inspection items.
------ errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
------ warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
------ normalItemsCount	Integer	10	The number of normal inspection items.
------ errorDetailCount	Integer	0	The number of returned inspection errors.
------ warningDetailCount	Integer	0	The number of returned inspection alerts.

Parameter	Type	Example	Description
------ normalDetailCount	Integer	10	The number of normal check items.
------ cancelDetailCount	Integer	0	The number of cancelled check items.
------ totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---- inspectionItems	Array		The inspection items.
-----id	Long	10001	The inspection item ID.
----- inspectionCategoryId	Long	10001	The ID of the inspection category.
-----name	String	Network inspection	The name of the inspection item.
-----description	String	Network inspection	The description of the inspection item.
-----preinstall	Boolean	true	Indicates whether the inspection item is preset. Valid values: • true • false
----- capabilityId	Long	1	The ID of the atomic capability.
----- capabilityParam	Map	{"":""}	The parameters of the atomic capability.
-----active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
----- atomCapability	Struct		The information about the atomic capability.
------id	Long	1	The ID of the atomic capability.

Parameter	Type	Example	Description
------name	String	Network inspection	The name of the atomic capability.
------ description	String	Network inspection	The description of the atomic capability.
------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
------ capabilityType	Integer	1	The ID of the atomic capability category.
------ capabilityType Name	String	Script	The name of the atomic capability category.
------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
------content	Map	{"":""}	The parameters of the atomic capability.
----- executionResu lt	Struct		The execution result of the inspection item.
------ dimensionTitle s	String	""	The dimensions of the inspection item.
------ checkResults	Array		The details of the inspection result.
------- dimensions	String	""	The returned values of the dimensions.
-------id	Long	1	The ID of the dimension entry.
------- atomCapabilit yExecutionId	Long	1	The ID of the atomic capability task.
------- checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.

Parameter	Type	Example	Description
-------description	String	Inspection succeeded	The description of the inspection result.
-------detail	String	Inspection succeeded	The result of the check item.
------id	Long	1	The ID of the execution result.
------capabilityId	Long	1	The ID of the atomic capability.
------param	Map	{"":""}	The parameters of the atomic capability.
------status	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
------message	String	Inspection succeeded	The message that indicates the inspection result.
------extraInfo	String	Inspection succeeded	The details of the inspection result.
------checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
------startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
------endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
------updateTime	String	2023-08-25T12:01:26.000+0000	The update time of the inspection.

Parameter	Type	Example	Description
------executionType	Integer	0	The execution type.
------taskExecutionId	Long	1	The ID of the scenario-specific inspection task.
------configId	Long	1	The configuration ID.
------capability	Struct		The information about the atomic capability.
-------id	Long	1	The ID of the atomic capability.
-------name	String	Network inspection	The name of the atomic capability.
-------description	String	Network inspection	The description of the atomic capability.
-------preinstall	Boolean	true	Indicates whether the atomic capability is preset. Valid values: • true • false
-------capabilityType	Integer	1	The ID of the atomic capability category.
-------capabilityTypeName	String	Script	The name of the atomic capability category.
-------active	Boolean	true	Indicates whether the inspection item is activated. Valid values: • true • false
-------content	Map	{"":""}	The parameters of the atomic capability.
------statistics	Struct		The statistics of inspection items.
-------totalItemsCount	Integer	10	The total number of inspection items.
-------executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.

Parameter	Type	Example	Description
-------executionInitCount	Integer	1	The number of inspection items that are being initialized.
-------executingItemsCount	Integer	1	The number of inspection items that are being executed.
-------executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
-------executionFailedItemsCount	Integer	0	The number of failed inspection items.
-------errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
-------warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
-------normalItemsCount	Integer	10	The number of normal inspection items.
-------errorDetailCount	Integer	0	The number of returned inspection errors.
-------warningDetailCount	Integer	0	The number of returned inspection alerts.
-------normalDetailCount	Integer	10	The number of normal check items.
-------cancelDetailCount	Integer	0	The number of cancelled check items.
-------totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
----id	Long	1	The ID of the inspection category.
----name	String	Network inspection	The name of the inspection category.
----code	String	network	The code of the inspection category.

Parameter	Type	Example	Description
----parentId	Long	0	The ID of the inspection category.
----startTime	String	2023-07-25T12:01:26.000+0000	The start time of the inspection.
----endTime	String	2023-09-25T12:01:26.000+0000	The end time of the inspection.
----executionStatus	Integer	0	The state of the task. Valid values: • 0: The task is being initialized. • 1: The task is being executed. • 2: The task is successful. • 3: The task failed. • 4: The task was skipped.
----checkStatus	Integer	0	The state of the task. Valid values: • 0: normal. • 1: alerting. • 2: error.
----order	Integer	0	The order of inspection items.
----inspectionItemStatistics	Struct		The statistics of inspection items.
-----totalItemsCount	Integer	10	The total number of inspection items.
-----executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
-----executionInitCount	Integer	1	The number of inspection items that are being initialized.
-----executingItemsCount	Integer	1	The number of inspection items that are being executed.
-----executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.

Parameter	Type	Example	Description
----executionFailedItemsCount	Integer	0	The number of failed inspection items.
----errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
----warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
----normalItemsCount	Integer	10	The number of normal inspection items.
----errorDetailCount	Integer	0	The number of returned inspection errors.
----warningDetailCount	Integer	0	The number of returned inspection alerts.
----normalDetailCount	Integer	10	The number of normal check items.
----cancelDetailCount	Integer	0	The number of cancelled check items.
----totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
---inspectionItemsCount	Integer	10	The total number of inspection items.
---id	Long	1	The ID of the scenario-specific inspection task.
---name	String	Network inspection	The name of the scenario-specific inspection task.
---description	String	Network inspection	The description of the scenario-specific inspection task.

Parameter	Type	Example	Description
---preinstall	Boolean	true	Indicates whether the scenario is preset. Valid values: • true • false
---active	Boolean	true	Indicates whether the scenario-specific inspection task is activated. Valid values: • true • false
---createTime	String	2023-09-25T12:01:26.000+0000	The time when the inspection task was created.
---createUserName	String	opsadmin	The user who created the inspection item.
---executionCount	Integer	10	The number of times the inspection item was executed.
---orders	Integer	0	The order of inspection scenarios.
--inspectionItemStatistics	Struct		The statistics of inspection items.
---totalItemsCount	Integer	10	The total number of inspection items.
---executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
---executionInitCount	Integer	1	The number of inspection items that are being initialized.
---executingItemsCount	Integer	1	The number of inspection items that are being executed.
---executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.
---executionFailedItemsCount	Integer	0	The number of failed inspection items.

Parameter	Type	Example	Description
--- errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
--- warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
--- normalItemsCount	Integer	10	The number of normal inspection items.
--- errorDetailCount	Integer	0	The number of returned inspection errors.
--- warningDetailCount	Integer	0	The number of returned inspection alerts.
--- normalDetailCount	Integer	10	The number of normal check items.
--- cancelDetailCount	Integer	0	The number of cancelled check items.
--- totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.
- inspectionItemStatistics	Struct		The statistics of inspection items.
-- totalItemsCount	Integer	10	The total number of inspection items.
-- executionSkippedItemsCount	Integer	1	The number of inspection items that were skipped.
-- executionInitCount	Integer	1	The number of inspection items that are being initialized.
-- executingItemsCount	Integer	1	The number of inspection items that are being executed.
-- executionSuccessItemsCount	Integer	10	The number of inspection items that were successful.

Parameter	Type	Example	Description
--executionFailedItemsCount	Integer	0	The number of failed inspection items.
--errorItemsCount	Integer	0	The number of inspection items on which an error occurred.
--warningItemsCount	Integer	0	The number of inspection items that triggered an alert.
--normalItemsCount	Integer	10	The number of normal inspection items.
--errorDetailCount	Integer	0	The number of returned inspection errors.
--warningDetailCount	Integer	0	The number of returned inspection alerts.
--normalDetailCount	Integer	10	The number of normal check items.
--cancelDetailCount	Integer	0	The number of cancelled check items.
--totalDetailCount	Integer	10	The total number of inspection errors, alerts, normal check items, and cancelled check items.

Examples

Sample requests

```
GET /openapi/popResource/aso/inspection/api/inspection/getReport HTTP/1.1
&executionId=1
&<Common request parameters>
```

Sample success responses

`JSON` format

```
{
 "serverRole":"\"\"",
 "path":"/aso/inspection/somepath",
 "eagleEyeTraceId":"\"\"",
 "cost":74,
 "responseVersion":"v1",
 "data":{
```

```
  "suggestion":"Inspection succeeded",
  "inspectionItemStatistics":{
   "totalItemsCount":10,
   "totalDetailCount":10,
   "executionSkippedItemsCount":1,
   "executionInitCount":1,
   "errorItemsCount":0,
   "normalItemsCount":10,
   "errorDetailCount":0,
   "executionSuccessItemsCount":10,
   "warningItemsCount":0,
   "warningDetailCount":0,
   "normalDetailCount":10,
   "cancelDetailCount":0,
   "executionFailedItemsCount":0,
   "executingItemsCount":1
  },
  "inspectionTaskExecution":{
   "executorUserName":"opsadmin",
   "createTime":"2023-07-25T12:01:26.000+0000",
   "inspectionTask":{
    "preinstall":true,
    "inspectionCategories":{
     "checkStatus":0,
     "code":"network",
     "inspectionItemStatistics":{
      "totalItemsCount":10,
      "totalDetailCount":10,
      "executionSkippedItemsCount":1,
      "executionInitCount":1,
      "errorItemsCount":0,
      "normalItemsCount":10,
      "errorDetailCount":0,
      "executionSuccessItemsCount":10,
      "warningItemsCount":0,
      "warningDetailCount":0,
      "normalDetailCount":10,
      "cancelDetailCount":0,
      "executionFailedItemsCount":0,
      "executingItemsCount":1
     },
     "inspectionItems":{
      "atomCapability":{
       "preinstall":true,
       "name":"Network inspection",
       "description":"Network inspection",
       "active":true,
       "capabilityTypeName":"Script",
       "id":1,
       "capabilityType":1,
       "content":{
        "":""
       }
      },
```

```
        "inspectionCategoryId":10001,
        "capabilityId":1,
        "preinstall":true,
        "name":"Network inspection",
        "description":"Network inspection",
        "active":true,
        "id":10001,
        "capabilityParam":{
         "":""
        },
        "executionResult":{
         "checkResults":{
          "checkStatus":0,
          "description":"Inspection succeeded",
          "id":1,
          "detail":"Inspection succeeded",
          "dimensions":"\"\"",
          "atomCapabilityExecutionId":1
         },
         "capabilityId":1,
         "dimensionTitles":"\"\"",
         "executionType":0,
         "statistics":{
          "totalItemsCount":10,
          "totalDetailCount":10,
          "executionSkippedItemsCount":1,
          "executionInitCount":1,
          "errorItemsCount":0,
          "normalItemsCount":10,
          "errorDetailCount":0,
          "executionSuccessItemsCount":10,
          "warningItemsCount":0,
          "warningDetailCount":0,
          "normalDetailCount":10,
          "cancelDetailCount":0,
          "executionFailedItemsCount":0,
          "executingItemsCount":1
         },
         "capability":{
          "preinstall":true,
          "name":"Network inspection",
          "description":"Network inspection",
          "active":true,
          "capabilityTypeName":"Script",
          "id":1,
          "capabilityType":1,
          "content":{
           "":""
          }
         },
         "updateTime":"2023-08-25T12:01:26.000+0000",
         "message":"Inspection succeeded",
         "checkStatus":0,
         "taskExecutionId":1,
```

```
        "param":{
         "":""
        },
        "configId":1,
        "startTime":"2023-07-25T12:01:26.000+0000",
        "id":1,
        "endTime":"2023-09-25T12:01:26.000+0000",
        "status":0,
        "extraInfo":"Inspection succeeded"
       }
      },
      "executionStatus":0,
      "name":"Network inspection",
      "startTime":"2023-07-25T12:01:26.000+0000",
      "id":1,
      "endTime":"2023-09-25T12:01:26.000+0000",
      "subCategories":{
       "checkStatus":0,
       "inspectionItems":{
        "inspectionCategoryId":1,
        "capabilityId":1,
        "preinstall":true,
        "name":"Network inspection",
        "description":"Network inspection",
        "active":"",
        "id":1,
        "capabilityParam":"",
        "atomCapability":{
         "preinstall":true,
         "name":"Network inspection",
         "description":"Network inspection",
         "active":true,
         "capabilityTypeName":"Script",
         "id":1,
         "capabilityType":1,
         "content":{
          "":""
         }
        },
        "executionResult":{
         "checkResults":{
          "checkStatus":0,
          "description":"Inspection succeeded",
          "id":1,
          "detail":"Inspection succeeded",
          "dimensions":"\"\"",
          "atomCapabilityExecutionId":1
         },
         "capabilityId":1,
         "dimensionTitles":"\"\"",
         "executionType":1,
         "capability":{
          "preinstall":true,
          "name":"Network inspection",
          "description":"Network inspection"
```

```
          "description":"Network Inspection",
          "active":true,
          "capabilityTypeName":"Script",
          "id":1,
          "capabilityType":1,
          "content":{
           "":""
          }
         },
         "updateTime":"2023-08-25T12:01:26.000+0000",
         "message":"Inspection succeeded",
         "statistics":{
          "totalItemsCount":10,
          "totalDetailCount":10,
          "executionSkippedItemsCount":1,
          "executionInitCount":1,
          "errorItemsCount":0,
          "normalItemsCount":10,
          "errorDetailCount":0,
          "executionSuccessItemsCount":10,
          "warningItemsCount":0,
          "warningDetailCount":0,
          "normalDetailCount":10,
          "cancelDetailCount":0,
          "executionFailedItemsCount":0,
          "executingItemsCount":1
         },
         "checkStatus":0,
         "taskExecutionId":1,
         "param":{
          "":""
         },
         "configId":1,
         "startTime":"2023-07-25T12:01:26.000+0000",
         "id":1,
         "endTime":"2023-09-25T12:01:26.000+0000",
         "status":0,
         "extraInfo":"Inspection succeeded"
        }
       },
       "code":"network",
       "executionStatus":0,
       "name":"Basic inspection",
       "startTime":"2023-07-25T12:01:26.000+0000",
       "id":1,
       "endTime":"2023-09-25T12:01:26.000+0000",
       "parentId":0,
       "inspectionItemStatistics":{
        "totalItemsCount":10,
        "totalDetailCount":10,
        "executionSkippedItemsCount":1,
        "executionInitCount":1,
        "errorItemsCount":0,
        "normalItemsCount":10,
        "errorDetailCount":0,
```

```
        "executionSuccessItemsCount":10,
        "warningItemsCount":0,
        "warningDetailCount":0,
        "normalDetailCount":10,
        "cancelDetailCount":0,
        "executionFailedItemsCount":0,
        "executingItemsCount":1
       },
       "order":0
      },
      "parentId":0,
      "order":0
    },
    "description":"Network inspection",
    "active":true,
    "createUserName":"opsadmin",
    "schedules":{
     "weekDays":1,
     "timeStr":"12:01:26"
    },
    "inspectionItemsCount":10,
    "createTime":"2023-09-25T12:01:26.000+0000",
    "name":"Network inspection",
    "inspectionItems":{
     "executionResult":{
      "capabilityId":1,
      "dimensionTitles":"\"\"",
      "executionType":0,
      "capability":{
       "preinstall":true,
       "name":"Network inspection",
       "description":"Network inspection",
       "active":true,
       "capabilityTypeName":"Script",
       "id":1,
       "capabilityType":1,
       "content":{
        "":""
       }
      },
      "updateTime":"2023-08-25T12:01:26.000+0000",
      "message":"Inspection succeeded",
      "statistics":{
       "totalItemsCount":10,
       "totalDetailCount":10,
       "executionSkippedItemsCount":1,
       "executionInitCount":1,
       "errorItemsCount":0,
       "normalItemsCount":10,
       "errorDetailCount":0,
       "executionSuccessItemsCount":10,
       "warningItemsCount":0,
       "warningDetailCount":0,
       "normalDetailCount":10,
```

```
        "cancelDetailCount":0,
        "executionFailedItemsCount":0,
        "executingItemsCount":1
       },
       "checkStatus":0,
       "taskExecutionId":1,
       "param":{
        "":""
       },
       "configId":1,
       "checkResults":{
        "checkStatus":0,
        "description":"Inspection succeeded",
        "id":1,
        "detail":"Inspection succeeded",
        "dimensions":"\"\"",
        "atomCapabilityExecutionId":1
       },
       "startTime":"2023-07-25T12:01:26.000+0000",
       "id":1,
       "endTime":"2023-09-25T12:01:26.000+0000",
       "status":0,
       "extraInfo":"Inspection succeeded"
      },
      "inspectionCategoryId":10001,
      "capabilityId":1,
      "preinstall":true,
      "name":"Network inspection",
      "atomCapability":{
       "preinstall":true,
       "name":"Network inspection",
       "description":"Network inspection",
       "active":true,
       "capabilityTypeName":"Script",
       "id":1,
       "capabilityType":1,
       "content":{
        "":""
       }
      },
      "description":"Network inspection",
      "active":true,
      "id":10001,
      "capabilityParam":{
       "":""
      }
     },
     "executionCount":10,
     "orders":0,
     "id":1
    },
    "inspectionItemStatistics":{
     "totalItemsCount":10,
     "totalDetailCount":10,
```

```
    "executionSkippedItemsCount":1,
    "executionInitCount":1,
    "errorItemsCount":0,
    "normalItemsCount":10,
    "errorDetailCount":0,
    "executionSuccessItemsCount":10,
    "warningItemsCount":0,
    "warningDetailCount":0,
    "normalDetailCount":10,
    "cancelDetailCount":0,
    "executionFailedItemsCount":0,
    "executingItemsCount":1
   },
   "executionStatus":0,
   "startTime":"2023-07-25T12:01:26.000+0000",
   "id":1,
   "endTime":"2023-09-25T12:01:26.000+0000",
   "message":"Inspection succeeded",
   "extraInfo":"Inspection succeeded"
  }
 },
 "success":true,
 "errorTitle":"\"\"",
 "requestId":"8ae2a476-52b1-4bac-98c4-4ca17671482a",
 "errorMessage":"\"\"",
 "errorCode":"\"\""
}
```


7.1.4. Platform products

7.1.4.1. GetProductListDetail

Queries the information about all products.

We recommend that you use this API rather than `GetProductList`.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getProductList HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	1000	The number of entries per page. Default value: 20.
pageNum	Integer	Query	No	1	The page number. Default value: 1.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code.

Parameter	Type	Example	Description
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	List	["acr","acs","ads","aliware-taokeeper","ans","apigateway","appstreaming"]	The response.
pageSize	Integer	10	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	37	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	67	The response time. Unit: milliseconds.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.

Parameter	Type	Example	Description
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getProductList HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"[\"acr\",\"acs\",\"ads\",\"aliware-
taokeeper\",\"ans\",\"apigateway\",\"appstreaming\"]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":10,
 "totalRows":37,
 "message":"success",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.2. GetProductList

Queries the information about all products.

We recommend that you use `GetProductListDetail` rather than this API.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getProductList HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	String	[\"ans\",\"asa\",\"ascm\",\"asd\",\"aso\",\"astc\",\"baseServiceAll\",\"buffer\",\"cms\",\"config-assist\",\"ecs\"]	The response.

Parameter	Type	Example	Description
pageSize	Integer	10	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	13	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	67	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Parameter	Type	Example	Description
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getProductList HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"
[\\\"ans\\\",\\\"asa\\\",\\\"ascm\\\",\\\"asd\\\",\\\"aso\\\",\\\"astc\\\",\\\"baseServic
ll\\\",\\\"buffer\\\",\\\"cms\\\",\\\"config-assist\\\",\\\"ecs\\\"]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":10,
 "totalRows":13,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```

7.1.4.3. GetProductVersion

Queries the version of a product.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getProductVersion HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
project	String	Query	No	aso	The product name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error subcode message. An empty string is returned if the request is successful.
errorDetail	String		The error subcode details. An empty string is returned if the request is successful.
data	String	[{\"product\":\"aso\",\"product_version\":\"ccec1cf3-91ec-4c89-9e9e-fa65ccfc33ae\",\"idc\":\"A\"}]	The response.
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
code	String	200	The response code.
cost	Long	67	The response time. Unit: milliseconds.

Parameter	Type	Example	Description
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#a	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getProductVersion HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"[{\\\"product\\\":\\\"aso\\\",\\\"product_version\\\":\\\"ccec1cf3-91ec-4c89-9e9e-fa65ccfc33ae\\\",\\\"idc\\\":\\\"A\\\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"success",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#a",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":""
}
```


7.1.4.4. DescribeProductStatus

Queries the desired states of clusters and services of a product based on the product name.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/getComponentStatus HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
project	String	Query	Yes	aso	The product name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.

Parameter	Type	Example	Description
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.
data	Struct		The response.
product	Map	{"aso":"notfinal"}	The name and desired state of the product.
cluster	Map	{"asoCluster-XXXXXXXXX":"notfinal"}	The name and desired state of the cluster.
service	Map	{"aso-scm":"final","aso-ecsops":"final","aso-tools":"final","aso-doc":"final","os":"final","aso-mgr":"notfinal","tianji":"final","aso-systemMgr":"final","aso-inventoryMgr":"final","aso-opr":"final","aso-physicalOps":"final","tianji-dockerdaemon":"final","aso-cplatformOps":"final","staragent-client":"final","aso-standalone":"final","aso-slalink":"final","aso-console":"final","tianji-sshtunnel-client":"final","aso-emergency":"final","aso-monitor":"final"}	The name and desired state of the service.
cost	Long	63	The response time. Unit: milliseconds.
path	String	/aso/cmdb/openapi/getComponentStatus	The URL of the API.
key	String	ASO-GW-1-INTERNAL_SERVER_ERROR	The keyword of the error.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.

Parameter	Type	Example	Description
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	resource not found	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/getComponentStatus HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":63,
 "data":{
  "cluster":{
   "asoCluster-X\u0002XXXX\u0002XXXX":"notfinal"
  },
  "product":{
   "aso":"notfinal"
  },
  "service":{
   "aso-scm":"final",
   "aso-ecsops":"final",
   "aso-tools":"final",
   "aso-doc":"final",
   "os":"final",
   "aso-mgr":"notfinal",
   "tianji":"final",
   "aso-systemMgr":"final",
   "aso-inventoryMgr":"final",
   "aso-opr":"final",
   "aso-physicalOps":"final",
   "tianji-dockerdaemon":"final",
   "aso-cplatformOps":"final",
   "staragent-client":"final",
   "aso-standalone":"final",
   "aso-slalink":"final",
   "aso-console":"final",
   "tianji-sshtunnel-client":"final",
   "aso-emergency":"final",
   "aso-monitor":"final"
  }
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"failed",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/cmdb/openapi/getComponentStatus",
 "responseVersion":"v1",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "success":true,
 "errorTitle":"resource not found",
 "key":"ASO-GW-1-INTERNAL_SERVER_ERROR"
}
```

7.1.4.5. GetClusterListByProductDetail

Queries a list of clusters of a product.

We recommend that you use this API rather than `GetClusterListByProduct`.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getClusterListByProductDetail HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	10	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
project	String	Query	No	aso	The product name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	Map	{"asa":["asaCluster-XX-XX-XX"],"appstreaming":["ManageCluster-XX-XX-XX"],"acs":["AcsControlCluster-XX-XX-XX"],"apigateway":["classicCluster-XX-XX-XX"],"ads":["ads-XX-XX-XX"],"ascm":["ascm-XX-XX-XX","UniManagerBase-XX-XX-XX","unimanagerBilling-XX-XX-XX"]}	The mapping between a product and its clusters.
pageSize	Integer	10	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	29	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
code	String	200	The response code.

Parameter	Type	Example	Description
cost	Long	67	The response time. Unit: milliseconds.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	fccbab1d-a496-4ae6-88e8-83557f883a85	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getClusterListByProductDetail HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":{
  "acs":[
   "AcsControlCluster-XX-XX-XX"
  ],
  "apigateway":[
   "classicCluster-XX-XX-XX"
  ],
  "ads":[
   "ads-XX-XX-XX"
  ],
  "ascm":[
   "ascm-XX-XX-XX",
   "UniManagerBase-XX-XX-XX",
   "unimanagerBilling-XX-XX-XX"
  ],
  "asa":[
   "asaCluster-XX-XX-XX"
  ],
  "appstreaming":[
   "ManageCluster-XX-XX-XX"
  ]
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":10,
 "totalRows":29,
 "message":"success",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"fccbab1d-a496-4ae6-88e8-83557f883a85",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.6. GetClusterListByProduct

Queries the information about clusters of a product.

We recommend that you use `GetClusterListByProductDetail` rather than this API.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getClusterListByProduct HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	10	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
project	String	Query	No	aso	The product name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_MANAGE_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates that whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	String	"{\"astoolbox\":[\"Basic-ASTB-Cluster-XX-XX-XX\"],\"asrdr\":[\"StandardCloudCluster-XX-XX-XX\"]}"	The response.
pageSize	Integer	10	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	29	The total number of entries returned.
return_subCode	String	""	The error subcode message. An empty string is returned if the request is successful.
return_subMsg	String	""	The error subcode details. An empty string is returned if the request is successful.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
errorTitle	String	Service error	The title of the error message.
code	String	200	The response code.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
requestId	String	fccbab1d-a496-4ae6-88e8-83557f883a85	The request ID.
cost	Long	67	The response time.
path	String	""	The URL of the API.
serverRole	String	aso-mgr.asmgr#	The service role.
responseVersion	String	v1	The version of the response format.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getClusterListByProduct HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"\"{\\\"astoolbox\\\":[\\\"Basic-ASTB-Cluster-XX-XX-XX\\\"],\\\"asrdr\\\":[\\\"
StandardCloudCluster-XX-XX-XX\\\"]}\"",
 "errorMessage":"System error",
 "errorCode":"ASO_MANAGE_SYSTEM_ERROR",
 "pageSize":10,
 "totalRows":29,
 "message":"success",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"fccbab1d-a496-4ae6-88e8-83557f883a85",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.7. GetClusters

Queries a list of clusters and their status.

We recommend that you use this API rather than `GetClusterListByProduct`.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/clusters HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
productName	String	Query	No	aso	The product name.
clusterName	String	Query	No	asoCluster-XXXX-XX	The cluster name.
clusterStatus	String	Query	No	final	The status of the cluster. Valid values: • final: desired state. • notfinal: not reach the desired state.
pageNum	Integer	Query	No	1	The page number.
pageSize	Integer	Query	No	10	The number of entries per page.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
data	Struct		The response.
result	Array of result		The returned result set.
region	String	cn-XX-XX-XX	The region ID.
projectName	String	aso	The product name.
name	String	asoCluster-XX-XX-XX	The cluster name.
status	String	notfinal	The status of the cluster. Valid values: • final: desired state. • notfinal: not reach the desired state.
serverCount	Integer	5	The number of machines.
serviceRoleCount	Integer	25	The number of server roles.
total	Integer	100	The total number of entries returned.
totalPage	Integer	4	The total number of pages returned.
pageSize	Integer	10	The number of entries per page.
currentPage	Integer	1	The page number.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
requestId	String	32b53c70-97a8-4e89-837f-d129f746688b	The request ID.
message	String	""	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/clusters HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "result":{
   "serverCount":5,
   "serviceRoleCount":25,
   "name":"asoCluster-XX-XX-XX",
   "region":"cn-XX-XX-XX",
   "projectName":"aso",
   "status":"notfinal"
  },
  "total":100,
  "totalPage":4,
  "pageSize":10,
  "currentPage":1
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "requestId":"32b53c70-97a8-4e89-837f-d129f746688b",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```


7.1.4.8. GetServiceInstanceDetail

Queries service instance information.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getServiceInstanceDetail HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	20	The number of entries per page. Default value: 20.
pageNum	Integer	Query	No	1	The page number. Default value: 1.
project	String	Query	Yes	aso	The product name.
cluster	String	Query	Yes	asoCluster-XX-XX-XX	The cluster name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.

Parameter	Type	Example	Description
responseCode	String	200	The response code.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	Array of data		The response.
name	String	aso-console	The service name.
state	String	good	The status of the service. Valid values: • good: normal. • probation: observation window. • error: abnormal.
expectedServerRoleCount	Integer	1	The number of expected server roles.
deletingServerRoleCount	Integer	0	The number of server roles that are being deleted.
goodExpectedServerRoleCount	Integer	1	The number of server roles that are expected in the normal state.
pageSize	Integer	10	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	100	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.

Parameter	Type	Example	Description
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	63	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getServiceInstanceDetail HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":63,
 "data":{
  "expectedServerRoleCount":1,
  "goodExpectedServerRoleCount":1,
  "name":"aso-console",
  "deletingServerRoleCount":0,
  "state":"good"
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":10,
 "totalRows":100,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.9. GetServerRoleList

Queries a list of server roles.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getServerRoleList HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
project	String	Query	No	aso	The product name.
cluster	String	Query	No	asoCluster-X-XXXX-XXXX	The cluster name.
server	String	Query	No	aso-monitor	The service name.
idc	String	Query	No	A	The data center.
type	String	Query	No	vm	The type of the machine.
machineIp	String	Query	No	10.66.XX.XX	The IP address of the machine.
machine	String	Query	No	vm01006600XXXX	The machine name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	String	[{\"cluster\":\"asoCluster-X-XXXX-XXXX\",\"dockerIp\":\"\",\"id\":3044,\"idc\":\"A\",\"machine\":\"vm01006600XXXX\",\"machineIp\":\"10.66.XX.XX\",\"modifyTime\":1660837174000,\"product\":\"aso\",\"server\":\"aso-monitor\",\"serverrole\":\"Tpcmon#\",\"type\":\"vm\"}]	The response.
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.

Parameter	Type	Example	Description
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	67	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getServerRoleList HTTP/1.1
```

Sample success responses

JSON format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"[{\\\"cluster\\\":\\\"asoCluster-X-XXXX-
XXXX\\\",\\\"dockerIp\\\":\\\"\\\",\\\"id\\\":3044,\\\"idc\\\":\\\"A\\\",\\\"machine\\\":
\"vm01006600XXXX\\\",\\\"machineIp\\\":\\\"10.66.XX.XX\\\",\\\"modifyTime\\\":16608371740
,\\\"product\\\":\\\"aso\\\",\\\"server\\\":\\\"aso-
monitor\\\",\\\"serverrole\\\":\\\"Tpcmon#\\\",\\\"type\\\":\\\"vm\\\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.10. GetServerroleVersion

Queries the version information of a server role.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.

Parameter	Type	Position	Required	Example	Description
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getServerroleVersion HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
serverrole	String	Query	No	ApiInit#	The service role.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.

Parameter	Type	Example	Description
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	String	[{\"cluster\":\"asoCluster-X-XXXX-XXXX\",\"serverrole\":\"ApiInit#\",\"serverrole_version\":\"3474896_aso-ecsops_ApiInit_f7beb90b\",\"product\":\"aso\",\"service\":\"aso-ecsops\",\"idc\":\"A\"}, {\"cluster\":\"ECS-controller-X-XXXX\",\"serverrole\":\"ApiInit#\",\"serverrole_version\":\"3533672_ecs-YaochiInit_ApiInit_64216aeb\",\"product\":\"ecs\",\"service\":\"ecs-YaochiInit\",\"idc\":\"A\"}, {\"cluster\":\"opsapiCluster-X-XXXX-XXXX\",\"serverrole\":\"ApiInit#\",\"serverrole_version\":\"3535084_opsapi_ApiInit_c7620cd2\",\"product\":\"opsapi\",\"service\":\"opsapi\",\"idc\":\"A\"}]	The response.
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of entries returned.

Parameter	Type	Example	Description
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	30	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	fa07ab18-06cf-470f-9417-c6ae644bbe2c	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getServerroleVersion HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":30,
 "data":"[{\\\"cluster\\\":\\\"asoCluster-X-XXXX-
XXXX\\\",\\\"serverrole\\\":\\\"ApiInit#\\\",\\\"serverrole_version\\\":\\\"3474896_aso-
ecsops_ApiInit_f7beb90b\\\",\\\"product\\\":\\\"aso\\\",\\\"service\\\":\\\"aso-ecsops\
\\\",\\\"idc\\\":\\\"A\\\"},{\\\"cluster\\\":\\\"ECS-controller-X-
XXXX\\\",\\\"serverrole\\\":\\\"ApiInit#\\\",\\\"serverrole_version\\\":\\\"3533672_ecs-
YaochiInit_ApiInit_64216aeb\\\",\\\"product\\\":\\\"ecs\\\",\\\"service\\\":\\\"ecs-Yao
chiInit\\\",\\\"idc\\\":\\\"A\\\"},{\\\"cluster\\\":\\\"opsapiCluster-X-XXXX-XXXX\\\",\
\\\"serverrole\\\":\\\"ApiInit#\\\",\\\"serverrole_version\\\":\\\"3535084_opsapi_ApiInit_
620cd2\\\",\\\"product\\\":\\\"opsapi\\\",\\\"service\\\":\\\"opsapi\\\",\\\"idc\\\":\\\"
\\\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"fa07ab18-06cf-470f-9417-c6ae644bbe2c",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.4.11. GetServiceRole

Queries a list of server roles and their status.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/serviceRole HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
productName	String	Query	No	aso	The product name.
clusterName	String	Query	No	asoCluster-XX-XX-XX	The cluster name.
serviceName	String	Query	No	aso-mgr	The service name.
serviceRoleName	String	Query	No	asmgr#	The service role.
status	String	Query	No	good	The status of the service role. Valid values: • GOOD: normal. • PROBATION: observation window. • ERROR: abnormal.
pageNum	Integer	Query	No	1	The page number.

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Struct		The response.
result	Array of result		An array of returned data.
region	String	cn-XX-XX-XX	The region name.
product	String	aso	The product name.
clusterName	String	asoCluster-XX-XX-XX	The cluster name.
serviceName	String	aso-mgr	The service name.
name	String	asmgr#	The service role.
status	String	GOOD	The status of the service role. Valid values: • GOOD: normal. • PROBATION: observation window. • ERROR: abnormal.
machinesCount	Integer	2	The number of machines.
errorMachinesCount	Integer	0	The number of abnormal machines.
normalMachinesCount	Integer	2	The number of normal machines.
alarmCount	Integer	0	The number of machine alerts.

Parameter	Type	Example	Description
machineInfoList	Array of machineInfoList		The machines.
machine	String	test_vm	The machine name.
machine_ip	String	10.25.XX.X	The IP address of the machine.
status	String	GOOD	The status of the machine. Valid values: • GOOD: normal. • OS_ERROR: OS exception. • PROBATION: observation window. • ERROR: abnormal. • OS_PROBATION: OS observation window.
sn	String	test_vm	The serial number of the machine.
total	Integer	1	The total number of entries returned.
totalPage	Integer	1	The total number of pages returned.
pageSize	Integer	10	The number of entries per page.
currentPage	Integer	1	The page number.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	b91429a7-0762-4b21-882d-35eb5a80ff2d	The request ID.

Parameter	Type	Example	Description
message	String	""	The error message. An empty string is returned if the request is successful.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/cmdb/openapi /serviceRole	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/serviceRole HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "result":{
   "alarmCount":0,
   "product":"aso",
   "errorMachinesCount":0,
   "clusterName":"asoCluster-XX-XX-XX",
   "name":"asmgr#",
   "machinesCount":2,
   "normalMachinesCount":2,
   "machineInfoList":{
    "machine":"test_vm",
    "machine_ip":"10.25.XX.X",
    "sn":"test_vm",
    "status":"GOOD"
   },
   "region":"cn-XX-XX-XX",
   "serviceName":"aso-mgr",
   "status":"GOOD"
  },
  "total":1,
  "totalPage":1,
  "pageSize":10,
  "currentPage":1
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"\"\"",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/cmdb/openapi/serviceRole",
 "responseVersion":"v1",
 "requestId":"b91429a7-0762-4b21-882d-35eb5a80ff2d",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.4.12. GetServerRoleMachinesDetail

Queries the association information between server roles and machines.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getServerRoleMachinesDetail HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	20	The number of entries per page. Default value: 20.
pageNum	Integer	Query	No	1	The page number. Default value: 1.
project	String	Query	Yes	aso	The product name.
cluster	String	Query	Yes	asoCluster-XX-XX-XX	The cluster name.
service	String	Query	Yes	aso-mgr	The service name.
serverrole	String	Query	Yes	asmgr#	The service role.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	Array of data		The response.
sn	String	test_vm	The serial number of the machine.
state	String	good	The status of the service role. Valid values: • good: normal. • probation: observation window. • error: abnormal.
cluster	String	asoCluster-XX-XX-XX	The cluster name.
idc	String	test_idc	The data center.
ip	String	10.205.XX.XX	The IP address of the machine.
machineState	String	good	The status of the machine.
pageSize	Integer	20	The number of entries per page.
pageNum	Integer	1	The page number.

Parameter	Type	Example	Description
totalRows	Long	100	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	500	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	63	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getServerRoleMachinesDetail HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"500",
 "cost":63,
 "data":{
  "cluster":"asoCluster-XX-XX-XX",
  "machineState":"good",
  "ip":"10.205.XX.XX",
  "idc":"test_idc",
  "sn":"test_vm",
  "state":"good"
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":20,
 "totalRows":100,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.5. Equipment assets

7.1.5.1. GetMachineByIp

Queries the information about physical machines based on IP addresses.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getMachineByIp HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
ip	String	Query	No	10.66.XX.XX	The IP address of the machine.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates whether the request was successful. • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error subcode message. An empty string is returned if the request is successful.
errorDetail	String	""	The error subcode details. An empty string is returned if the request is successful.

Parameter	Type	Example	Description
data	String	[{"machine_type_from_manufacturer":"","cluster":"StandardAsrbrCluster-X-XXXX-XXXX","project":"asrbr","max_docker_number":"0","sm_name":"VM","spec":"{}","TianjiCluster":"StandardAsrbrCluster-X-XXXX-XXXX","guarantee_brandname":"vm_docker","is_vm":"true","hostname":"vm01006602XXXX","state_description":"PROBATION slice wind end since 1657164399113.timeout = 30000ms[default].","hw_mem":"18636","state":"GOOD","azone":"cn-XXXX-XXXX-amtestXXXX-a","machine_type_with_nic_type":"VM","npod":"ASW.XXXX-1","big_container_number":"0","ip":"10.66.XX.XXX","idc":"amtestXXXX","part":"ALdefault","use_vm_number":"0","hw_cpu":"2","host_type":"vm","cpu_arch":"x86_64","srg_quota":"{"cpu":8.9,"diskSize":64,"memory":18.2,"gpu":0}","hw_harddisk":"65536","use_big_container_number":"0","power":"0","sn":"vm01006602XXXX","expected_os":"{"os":"AliOS7U2-x86-64","part":"ALdefault","app_name":"dockervm"}","current_os":"{"os":"AliOS7U2-x86-64","part":"ALdefault","app_name":"dockervm"}","use_docker_number":"0"}]	The response.

Parameter	Type	Example	Description
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
code	String	200	The response code.
message	String	""	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.
cost	Long	67	The response time. Unit: milliseconds.
path	String	""	The URL of the API.

Parameter	Type	Example	Description
serverRole	String	aso-mgr.asmgr#	The service role of the machine.
responseVersion	String	v1	The version of the response format.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getMachineByIp HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"[{\"machine_type_from_manufacturer\":\"\",\"cluster\":\"StandardAsrbrCluster-X
-XXXX-
XXXX\",\"project\":\"asrbr\",\"max_docker_number\":\"0\",\"sm_name\":\"VM\",\"spec\":\"
{}\",\"TianjiCluster\":\"StandardAsrbrCluster-X-XXXX-
XXXX\",\"guarantee_brandname\":\"vm_docker\",\"is_vm\":\"true\",\"hostname\":\"vm01006602
XX\",\"state_description\":\"PROBATION slice wind end since 1657164399113.timeout = 300
00ms[default].\",\"hw_mem\":\"18636\",\"state\":\"GOOD\",\"azone\":\"cn-XXXX-XXXX-amtes
tXXXX-a\",\"machine_type_with_nic_type\":\"VM\",\"npod\":\"ASW.XXXX-
1\",\"big_container_number\":\"0\",\"ip\":\"10.66.XX.XXX\",\"idc\":\"amtestXXXX\",\"part\
\"ALdefault\",\"use_vm_number\":\"0\",\"hw_cpu\":\"2\",\"host_type\":\"vm\",\"cpu_arch\":
x86_64\",\"srg_quota\":\"
{\"cpu\":8.9,\"diskSize\":64,\"memory\":18.2,\"gpu\":0}\",\"hw_harddisk\":\"65536\",\"use
ig_container_number\":\"0\",\"power\":\"0\",\"sn\":\"vm01006602XXXX\",\"expected_os\":\"
{\"os\":\"AliOS7U2-x86-
64\",\"part\":\"ALdefault\",\"app_name\":\"dockervm\"}\",\"current_os\":\"
{\"os\":\"AliOS7U2-x86-
64\",\"part\":\"ALdefault\",\"app_name\":\"dockervm\"}\",\"use_docker_number\":\"0\"}]",

 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"\"\"",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.5.2. GetMachineByName

Queries the information about physical machines based on machine names.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getMachineByName HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
name	String	Query	No	vm01006602XXXX	The machine name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.

Parameter	Type	Example	Description
data	String	[{"machine_type_from_manufacturer":"","cluster":"StandardAsrbrCluster-X-2022XXXX-XXXX","project":"asrbr","max_docker_number":"0","sm_name":"VM","spec":"{}","TianjiCluster":"StandardAsrbrCluster-X-XXXX-XXXX","guarantee_brandname":"vm_docker","is_vm":"true","hostname":"vm01006602XXXX","hw_mem":"18636","security_domain":"","state":"GOOD","azone":"cn-XXXX-XXXX-amtest1XXXX-a","machine_type_with_nic_type":"VM","npod":"ASW.XXXX-1","big_container_number":"0","ip":"10.66.XX.XX","idc":"amtestXX","bucket":"default","is_ops_with_vm":"N/A","expected_link":"[]","part":"ALdefault","use_vm_number":"0","hw_cpu":"2","host_type":"vm","cpu_arch":"x86_64","srg_quota":"{"cpu":8.9,"diskSize":64,"memory":18.2,"gpu":0}","hw_harddisk":"65536","use_big_container_number":"0","power":"0","sn":"vm01006602XXXX","expected_os":"{"os":"AliOS7U2-x86-64","part":"ALdefault","app_name":"dockervm"}","current_os":"{"os":"AliOS7U2-x86-64","part":"ALdefault","app_name":"dockervm"}","use_docker_number":"0"}]	The response.

Parameter	Type	Example	Description
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	67	The response time. Unit: milliseconds.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.

Parameter	Type	Example	Description
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getMachineByName HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"[{\"machine_type_from_manufacturer\":\"\",\"cluster\":\"StandardAsrbrCluster-X
-2022XXXX-
XXXX\",\"project\":\"asrbr\",\"max_docker_number\":\"0\",\"sm_name\":\"VM\",\"spec\":\"
{}\",\"TianjiCluster\":\"StandardAsrbrCluster-X-XXXX-
XXXX\",\"guarantee_brandname\":\"vm_docker\",\"is_vm\":\"true\",\"hostname\":\"vm01006602
XX\",\"hw_mem\":\"18636\",\"security_domain\":\"\",\"state\":\"GOOD\",\"azone\":\"cn-XX
XX-XXXX-amtest1XXXX-a\",\"machine_type_with_nic_type\":\"VM\",\"npod\":\"ASW.XXXX-1\",\
"big_container_number\":\"0\",\"ip\":\"10.66.XX.XX\",\"idc\":\"amtestXX\",\"bucket\":\"de
ult\",\"is_ops_with_vm\":\"N/A\",\"expected_link\":\"
[]\",\"part\":\"ALdefault\",\"use_vm_number\":\"0\",\"hw_cpu\":\"2\",\"host_type\":\"vm\"
"cpu_arch\":\"x86_64\",\"srg_quota\":\"
{\"cpu\":8.9,\"diskSize\":64,\"memory\":18.2,\"gpu\":0}\",\"hw_harddisk\":\"65536\",\"use
ig_container_number\":\"0\",\"power\":\"0\",\"sn\":\"vm01006602XXXX\",\"expected_os\":\"
{\"os\":\"AliOS7U2-x86-
64\",\"part\":\"ALdefault\",\"app_name\":\"dockervm\"}\",\"current_os\":\"
{\"os\":\"AliOS7U2-x86-
64\",\"part\":\"ALdefault\",\"app_name\":\"dockervm\"}\",\"use_docker_number\":\"0\"}]",

 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"\"\"",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.5.3. GetMachineListDetail

Queries the information about machines.

We recommend that you use this API rather than `GetProductList`.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getMachineListDetail HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	20	The number of entries per page. Default value: 20.
pageNum	Integer	Query	No	1	The page number. Default value: 1.
project	String	Query	No	aso	The product name.
cluster	String	Query	No	asoCluster-XX-XX-XX	The cluster name.
idc	String	Query	No	amtestxxx	The data center.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.

Parameter	Type	Example	Description
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	Array of data		The response.
sn	String	test_vm	The serial number of the machine.
hostName	String	test_vm	The hostname.
ip	String	10.205.XX.XX	The IP address of the host.
model	String	docker	The machine type. Valid values: • physical: physical machine. • docker: virtual machine.
isVm	Integer	1	Indicates whether it is a virtual machine. Valid values: • 0: no. • 1: yes.
machineTypeWithNicType	String	VM	The machine model and network interface controller (NIC) model.
idc	String	test_idc	The data center.

Parameter	Type	Example	Description
room	String	""	The server room name.
rack	String	""	The rack name.
cpu	Integer	2	The number of CPU cores.
memory	Integer	17817	The memory capacity of the machine. Unit: MB.
disk	Integer	144384	The disk space of the machine. Unit: MB.
azone	String	cn-XX-XX-XX-X	The zone ID.
cpuArch	String	x86_64	The CPU architecture.
smName	String	VM	The machine model.
rackUnitId	String	""	The rack ID.
rackGroup	String	ASW.XX-X	The rack group.
devFunction	String	Controller	The role of the machine. Valid values: • Controller. • Worker. • VmHost.
clusterName	String	asoCluster-XX-XX-XX	The cluster name.
status	String	GOOD	The status of the machine. Valid values: • GOOD: normal. • OS_ERROR: OS exception. • PROBATION: observation window. • ERROR: abnormal. • OS_PROBATION: OS observation window.
project	String	aso	The product name.
cpuAvg	Integer	57	The CPU utilization of the machine.

Parameter	Type	Example	Description
loadAvg	Integer	1	The CPU load of the machine.
diskAvg	Integer	13	The disk utilization of the machine.
memAvg	Integer	3	The memory utilization of the machine.
trafficAvg	Integer	21776	The data transfer volume of the machine. Unit: bytes.
ioAvg	Integer	14	The I/O load of the machine.
targetHost	String	test_host	The host.
pageSize	Integer	20	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	100	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string is returned if the request is successful.
return_subMsg	String	""	The error subcode message. An empty string is returned if the request is successful.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code.
cost	Long	30	The response time. Unit: milliseconds.
message	String	failed	The returned message. If the request was successful, a success message is returned. If the request failed, a failed message is returned.

Parameter	Type	Example	Description
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getMachineListDetail HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":30,
 "data":{
  "hostName":"test_vm",
  "memory":17817,
  "trafficAvg":21776,
  "devFunction":"Controller",
  "project":"aso",
  "machineTypeWithNicType":"VM",
  "rackUnitId":"\"\"",
  "clusterName":"asoCluster-XX-XX-XX",
```

```
  "diskAvg":13,
  "model":"docker",
  "cpuAvg":57,
  "sn":"test_vm",
  "loadAvg":1,
  "azone":"cn-XX-XX-XX-X",
  "rackGroup":"ASW.XX-X",
  "rack":"\"\"",
  "targetHost":"test_host ",
  "ip":"10.205.XX.XX ",
  "smName":"VM",
  "idc":"test_idc",
  "cpu":2,
  "cpuArch":"x86_64 ",
  "room":"\"\"",
  "isVm":1,
  "disk":144384,
  "ioAvg":14,
  "status":"GOOD",
  "memAvg":3
 },
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":20,
 "totalRows":100,
 "message":"failed",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.5.4. GetMachineList

Queries a list of physical machines.

We recommend that you use `GetProductListDetail` rather than this API.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getMachineList HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
dataVersion	String	Query	No	v3	The version of the data. Default value: v3.
pageSize	Integer	Query	No	10	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
project	String	Query	No	oss	The product name.
cluster	String	Query	No	OssHybridCluster-XX-XX-XX	The cluster name.
idc	String	Query	No	test_idc	The data center.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.
data	String	[{"machine_type_from_manufacturer":"","node_group":"","cluster":"ansCluster-XX-XX-XX","project":"ans","max_docker_number":"0","sm_name":"VM","action_params":"","nic_info":"","rack_unit_id":"","spec":"{}","TianjiCluster":"ansCluster-XX-XX-XX","ecs_region":"","guarantee_brandname":"vm_docker","is_vm":"true","hostname":"test_vm","hw_mem":"1331","date_purchase":"","uniform_type":"","action_name":"","model":"","security_domain":"","state":"GOOD","ip_config":"","machine_type_with_nic_type":"VM","npod":"ASW.XX-XX-XX","vm_host_tag":"","big_container_number":"0","idc":"test_idc"}]	The response.

Parameter	Type	Example	Description
pageSize	Integer	20	The number of entries per page.
pageNum	Integer	1	The page number.
totalRows	Long	100	The total number of entries returned.
return_subCode	String	""	The error subcode.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code.
cost	Long	67	The response time. Unit: milliseconds.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getMachineList HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"
[{\"machine_type_from_manufacturer\":\"\",\"node_group\":\"\",\"cluster\":\"ansCluster-
XX-XX-
XX\",\"project\":\"ans\",\"max_docker_number\":\"0\",\"sm_name\":\"VM\",\"action_params\"
"\",\"nic_info\":\"\",\"rack_unit_id\":\"\",\"spec\":\"
{}\",\"TianjiCluster\":\"ansCluster-XX-XX-
XX\",\"ecs_region\":\"\",\"guarantee_brandname\":\"vm_docker\",\"is_vm\":\"true\",\"hostn
e\":\"test_vm\",\"hw_mem\":\"1331\",\"date_purchase\":\"\",\"uniform_type\":\"\",\"action
ame\":\"\",\"model\":\"\",\"security_domain\":\"\",\"state\":\"GOOD\",\"ip_config\":\"\",
machine_type_with_nic_type\":\"VM\",\"npod\":\"ASW.XX-
XX\",\"vm_host_tag\":\"\",\"big_container_number\":\"0\",\"idc\":\"test_idc\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":20,
 "totalRows":100,
 "message":"\"\"",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```


7.1.5.5. GetNetworkMachineByIp

Queries network device information based on IP addresses.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getNetworkMachineByIp HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
ip	String	Query	No	10.66.XX.X	The IP address of the network device.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.

Parameter	Type	Example	Description
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.

Parameter	Type	Example	Description
data	String	[{\"stack\":\"false\",\"role\":\"ASW.10GE\",\"expected_link\":\"- startport:\ name: EthernetXXXX\ speed: \\\"40000\\\"\ endport:\ name: FortyGigE0/XXXX\ speed: \\\"40000\\\"\ enddevice: DSW-VM-XX-X-X.AMTEXXXX\- startport:\ name: EthernetXXXX\ speed: \\\"40000\\\"\ endport:\ name: EthernetXXXX\ speed: \\\"40000\\\"\ enddevice: ASW-XX-X-XX.AMTEXXXX-X.AMTEXXXX\\",\"device_type\":\"network_device\",\"host_type\":\"network_device\",\"TianjiCluster\":\"amteXXXX\",\"manufacturer\":\"Cisco\",\"hostname\":\"ASW-XX-X-DXX.AMTEXXXX-1.AMTEXXXX\",\"npod_id\":\"ASW.XXXX-X\",\"model\":\"N9K-C921XXXX-X\",\"power\":\"0\",\"sn\":\"FDO2351XXXX\",\"location_in_rack\":\"52\",\"rack\":\"D13\",\"device_id\":\"ASW.XXXX-X.X\",\"ip\":\"10.66.XXX.XX\",\"idc\":\"AMTEXXXX\",\"index\":\"2\",\"weight\":\"0\",\"pair\":\"true\",\"room\":\"A3-4\",\"is_ops_with_vm\":\"N/A\",\"pod_id\":\"ASW.XXXX-X\"}]	The response.
pageSize	Integer	15	The number of entries per page.

Parameter	Type	Example	Description
pageNum	Integer	1	The page number.
totalRows	Long	1	The total number of rows.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code.
cost	Long	67	The response time. Unit: milliseconds.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getNetworkMachineByIp HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":67,
 "data":"
[{\\\"stack\\\":\\\"false\\\",\\\"role\\\":\\\"ASW.10GE\\\",\\\"expected_link\\\":\\\"-
startport:\\ name: EthernetXXXX\\ speed: \\\\\\\"40000\\\\\\\"\\ endport:\\ name: Forty
GigE0/XXXX\\ speed: \\\\\\\"40000\\\\\\\"\\ enddevice: DSW-VM-XX-X-X.AMTEXXXX\\- startp
ort:\\ name: EthernetXXXX\\ speed: \\\\\\\"40000\\\\\\\"\\ endport:\\ name:
EthernetXXXX\\ speed: \\\\\\\"40000\\\\\\\"\\ enddevice: ASW-XX-X-XX.AMTEXXXX-X.AMTEXXX
X\\\\\",\\\"device_type\\\":\\\"network_device\\\",\\\"host_type\\\":\\\"network_device\\
,\\\"TianjiCluster\\\":\\\"amteXXXX\\\",\\\"manufacturer\\\":\\\"Cisco\\\",\\\"hostname\\
:\\\"ASW-XX-X-DXX.AMTEXXXX-1.AMTEXXXX\\\",\\\"npod_id\\\":\\\"ASW.XXXX-
X\\\",\\\"model\\\":\\\"N9K-C921XXXX-
X\\\",\\\"power\\\":\\\"0\\\",\\\"sn\\\":\\\"FDO2351XXXX\\\",\\\"location_in_rack\\\":\\\
2\\\",\\\"rack\\\":\\\"D13\\\",\\\"device_id\\\":\\\"ASW.XXXX-
X.X\\\",\\\"ip\\\":\\\"10.66.XXX.XX\\\",\\\"idc\\\":\\\"AMTEXXXX\\\",\\\"index\\\":\\\"2\
",\\\"weight\\\":\\\"0\\\",\\\"pair\\\":\\\"true\\\",\\\"room\\\":\\\"A3-
4\\\",\\\"is_ops_with_vm\\\":\\\"N/A\\\",\\\"pod_id\\\":\\\"ASW.XXXX-X\\\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"\"\"",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```

7.1.5.6. GetNetworkMachineByName

Queries network device information based on device names.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/cmdb/machines/getNetworkMachineByName HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description
pageSize	Integer	Query	No	15	The number of entries per page.
pageNum	Integer	Query	No	1	The page number.
name	String	Query	No	OSW-XX-4-XX-S-1.AMTESTXXXX	The device name.

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.

Parameter	Type	Example	Description
errorMessage	String	System error	The error message.
result	String	success	Indicates whether the request was successful. Valid values: • success. • failed.
responseCode	String	200	The response code. The status code 200 indicates that the request was successful. The status code 500 indicates that the request failed.
errorMsg	String	""	The error message. An empty string is returned if the request is successful.
errorDetail	String	""	The error details. An empty string is returned if the request is successful.

Parameter	Type	Example	Description
data	String	[{\"stack\":\"false\",\"role\":\"OSWS\",\"expected_link\":\"-startport:\ name: GigabitEtherneXXXX\ speed: \\\"1000\\\"\ endport:\ name: GigabitEthernXXXX\ speed: \\\"1000\\\"\ enddevice: OMR-XX-X-E11-1.AMTEXXXX\-startport:\ name: GigabitEtherneXXXX\ speed: \\\"1000\\\"\ endport:\ name: GigabitEtherneXXXX\ speed: \\\"1000\\\"\ enddevice: OMR-XX-4-EXX-2.AMTEXXXX\\",\"device_type\":\"network_device\",\"docker_config\":\"\",\"docker_version\":\"\",\"rack_unit_id\":\"\",\"host_type\":\"network_device\",\"TianjiCluster\":\"amteXXXX\",\"manufacturer\":\"Cisco\",\"hostname\":\"OSW-XX-4-EXX-S-1.AMTEXXXX\",\"npod_id\":\"\",\"model\":\"WS-C2960XR-48TS-l\",\"power\":\"0\",\"sn\":\"FDO2351F0GB\",\"location_in_rack\":\"40\",\"rack\":\"E12\",\"device_id\":\"OSWS-1\",\"ip\":\"10.66.XX.XX\",\"idc\":\"AMTEXXXX\",\"index\":\"1\",\"weight\":\"0\",\"pair\":\"false\",\"room\":\"A3-4\",\"is_ops_with_vm\":\"N/A\",\"pod_id\":\"\"}]	The response.
pageSize	Integer	15	The number of entries per page.
pageNum	Integer	1	The page number.

Parameter	Type	Example	Description
totalRows	Long	1	The total number of entries returned.
return_subCode	String	""	The error subcode. An empty string indicates that the request was successful. The subcode 500 indicates that the request failed.
return_subMsg	String	""	The error subcode message.
eagleEyeTraceId	String	0ab408f41680511 2341264295d00c9	The EagleEye ID.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
cost	Long	63	The response time. Unit: milliseconds.
message	String	""	The error message. An empty string is returned if the request is successful.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	""	The URL of the API.
responseVersion	String	v1	The version of the response format.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.
requestId	String	ab05b875-165f-43c1-ba0a-83b973201800	The request ID.

Examples

Sample requests

```
GET /openapi/popResource/aso/cmdb/machines/getNetworkMachineByName HTTP/1.1
```

Sample success responses

`JSON` format


```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "return_subCode":"\"\"",
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "code":"200",
 "cost":63,
 "data":"
[{\\\"stack\\\":\\\"false\\\",\\\"role\\\":\\\"OSWS\\\",\\\"expected_link\\\":\\\"- sta
rtport:\\ name: GigabitEtherneXXXX\\ speed: \\\\\\\"1000\\\\\\\"\\ endport:\\ name: Gig
abitEthernXXXX\\ speed: \\\\\\\"1000\\\\\\\"\\ enddevice: OMR-XX-X-E11-1.AMTEXXXX\\- st
artport:\\ name: GigabitEtherneXXXX\\ speed: \\\\\\\"1000\\\\\\\"\\ endport:\\ name: Gi
gabitEtherneXXXX\\ speed: \\\\\\\"1000\\\\\\\"\\ enddevice: OMR-XX-4-EXX-
2.AMTEXXXX\\\\\",\\\"device_type\\\":\\\"network_device\\\",\\\"docker_config\\\":\\\"\\\
\\\"docker_version\\\":\\\"\\\",\\\"rack_unit_id\\\":\\\"\\\",\\\"host_type\\\":\\\"netwo
_device\\\",\\\"TianjiCluster\\\":\\\"amteXXXX\\\",\\\"manufacturer\\\":\\\"Cisco\\\",\\\
ostname\\\":\\\"OSW-XX-4-EXX-S-
1.AMTEXXXX\\\",\\\"npod_id\\\":\\\"\\\",\\\"model\\\":\\\"WS-C2960XR-48TS-
I\\\",\\\"power\\\":\\\"0\\\",\\\"sn\\\":\\\"FDO2351F0GB\\\",\\\"location_in_rack\\\":\\\
0\\\",\\\"rack\\\":\\\"E12\\\",\\\"device_id\\\":\\\"OSWS-
1\\\",\\\"ip\\\":\\\"10.66.XX.XX\\\",\\\"idc\\\":\\\"AMTEXXXX\\\",\\\"index\\\":\\\"1\\\"
\\\"weight\\\":\\\"0\\\",\\\"pair\\\":\\\"false\\\",\\\"room\\\":\\\"A3-
4\\\",\\\"is_ops_with_vm\\\":\\\"N/A\\\",\\\"pod_id\\\":\\\"\\\"}]",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "pageSize":15,
 "totalRows":1,
 "message":"\"\"",
 "pageNum":1,
 "responseCode":"200",
 "errorMsg":"\"\"",
 "result":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"\"\"",
 "responseVersion":"v1",
 "success":true,
 "errorTitle":"Service error",
 "requestId":"ab05b875-165f-43c1-ba0a-83b973201800",
 "return_subMsg":"\"\"",
 "errorDetail":"\"\""
}
```

7.1.6. Platform data

7.1.6.1. GetCurrentUserStats

Queries the login user statistics of Apsara Uni-manager Operations Console.

Request headers

Parameter	Type	Position	Required	Example	Description
aliyun_lang	String	Header	No	zh	The language code. Valid values: • zh: Chinese. • en: English.
aliyun_territory	String	Header	No	CN	The country and region code. Valid values: • CN (can be specified only when aliyun_lang is set to zh). • US (can be specified only when aliyun_lang is set to en). • TW (can be specified only when aliyun_lang is set to zh).

Request syntax

```
GET /openapi/popResource/aso/auth/user/getCurrentUserStats HTTP/1.1
```

Response parameters

Parameter	Type	Example	Description
errorCode	String	ASO_ASMGR_SYSTEM_ERROR	The error code.
errorMessage	String	System error	The error message.
data	Array of AsoUserStat		The response.
username	String	admin	The username.
loginName	String	admin	The logon name.

Parameter	Type	Example	Description
lastLoginTime	Long	1654596285000	The last logon time.
sessionInfoList	Array of SessionInfo		The information about users who are in the valid logon state.
loginTime	Long	1654589231158	The time when the user logged on.
cost	Long	30	The response time. Unit: milliseconds.
code	String	200	The response code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
successResponse	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
requestId	String	37d50d06-2089-48d6-ad02-f3cb6009a2af	The request ID.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
key	String	""	The keyword of the error.
level	String	""	The error level.
eagleEyeTraceId	String	0ab408f416805112341264295d00c9	The EagleEye ID.
serverRole	String	aso-mgr.asmgr#	The service role.
path	String	/aso/auth/user/openapi/getCurrentUserStats	The URL of the API.
responseVersion	String	v1	The version of the response format.

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request was successful. Valid values: • true. • false.
errorTitle	String	Service error	The title of the error message.

Examples

Sample requests

```
GET /openapi/popResource/aso/auth/user/getCurrentUserStats HTTP/1.1
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0ab408f416805112341264295d00c9",
 "cost":30,
 "code":"200",
 "data":{
  "lastLoginTime":1654596285000,
  "loginName":"admin",
  "sessionInfoList":{
   "loginTime":1654589231158
  },
  "username":"admin"
 },
 "level":"\"\"",
 "errorMessage":"System error",
 "errorCode":"ASO_ASMGR_SYSTEM_ERROR",
 "message":"success",
 "successResponse":true,
 "serverRole":"aso-mgr.asmgr#",
 "path":"/aso/auth/user/openapi/getCurrentUserStats",
 "responseVersion":"v1",
 "requestId":"37d50d06-2089-48d6-ad02-f3cb6009a2af",
 "success":true,
 "errorTitle":"Service error",
 "key":"\"\""
}
```

7.1.6.2. ListUsers

Queries a list of users.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
name	String	Query	No	test	The username, which can be used for fuzzy search.
pageSize	Integer	Query	Yes	15	The number of entries per page.
lock	Boolean	Query	Yes	false	Specifies whether to move the user to the recycle bin.
currentPage	Integer	Query	Yes	1	The page number.
role	String	Query	No	Product DevOps personnel	The name of the role.

Parameter	Type	Position	Required	Example	Description
deptName	String	Query	No	root-dept	The organization name. • If you leave this parameter and the name parameter empty, all users in your department are returned. If you set this parameter to root-dept and leave the name parameter empty, all users are returned. • If you set this parameter to a specific department but leave the name parameter empty, all users in the specified department are returned. • If you specify both this parameter and the name parameter, users who meet the fuzzy search conditions are returned. • If you leave this parameter empty but specify the name parameter, users who meet the fuzzy search conditions in your department are returned. If you set this parameter to root-dept and specify the name parameter, users who meet the fuzzy search conditions in all departments are returned.

Response parameters

Parameter	Type	Example	Description

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. Valid values:
data	Struct		The response data.
items	Array of user		The users.
roles	Array of role		The roles.
roleName	String	Product DevOps personnel	The name of the role.
aliuid	String	1652382011135412	The account ID.
parentAliuid	String	1406882217153143	The ID of the Alibaba Cloud account. If the current account is an Alibaba Cloud account, this parameter is empty. If the current account is a RAM user, the value is the ID of the Alibaba Cloud account to which the RAM user belongs.
name	String	opsadmin	The username.
fullName	String	fullname_1682303525103	The display name.
departmentId	Integer	1	The ID of the department.
deptName	String	root-dept	The name of the department.
telephone	String	19500000000	The phone number.
email	String	asotest@alibaba-inc.com	The email address.
loginTime	String	1682319987000	The time when the user logged on.
status	String	ACTIVE	The state of the user.
ruleName	String	default_rule	The logon policy.

Parameter	Type	Example	Description
userExternalId	String	""	The foreign key ID of the user, which is used for Identity-as-a-Service (IDaaS) scenarios.
deptExternalId	String	""	The foreign key ID of the department, which is used for IDaaS scenarios.
createTime	String	2023-04-21 01:18:55	The time when the user was created.
page	Struct		The pagination information.
currentPage	Integer	1	The page number.
pageSize	Integer	15	The number of entries per page.
total	Long	20	The total number of entries returned.
totalPage	Long	2	The total number of pages returned.
cost	Long	74	The response time. Unit: milliseconds.
path	String	/aso/auth/user/openapi/listUsers	The request path.
serverRole	String	""	The name of the service that was accessed.
responseVersion	String	v1	The version of the response.
errorCode	String	""	The error code.
errorTitle	String	""	The title of the error message.
errorMessage	String	""	The error message.
requestId	String	8ae2a476-52b1-4bac-98c4-4ca17671482a	The request ID.
eagleEyeTraceId	String	""	The EagleEye ID, which is used as a trace ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ListUsers
&pageSize=20
&lock=false
&currentPage=1
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "serverRole":"\"\"",
 "path":"/aso/auth/user/openapi/listUsers",
 "eagleEyeTraceId":"\"\"",
 "cost":74,
 "responseVersion":"v1",
 "data":{
  "page":{
   "total":20,
   "totalPage":2,
   "pageSize":15,
   "currentPage":1
  },
  "items":{
   "deptName":"root-dept",
   "deptExternalId":"\"\"",
   "roles":{
    "roleName":"Product DevOps personnel"
   },
   "departmentId":1,
   "fullName":"fullname_1682303525103",
   "parentAliuid":"1406882217153143",
   "telephone":"19500000000",
   "loginTime":"1682319987000",
   "createTime":"2023-04-21 01:18:55",
   "name":"opsadmin",
   "ruleName":"default_rule",
   "userExternalId":"\"\"",
   "aliuid":"1652382011135412",
   "email":"asotest@alibaba-inc.com",
   "status":"ACTIVE"
  }
 },
 "success":true,
 "errorTitle":"\"\"",
 "requestId":"8ae2a476-52b1-4bac-98c4-4ca17671482a",
 "errorMessage":"\"\"",
 "errorCode":"\"\""
}
```

7.2. Network Operations Console

7.2.1. Network element management

7.2.1.1. GetSwitchInfo

Queries switch information.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetSwitchInfo	The operation that you want to perform. Set the value to GetSwitchInfo.
ip	String	Yes	10.205.XX.XX	The IP address of the switch.
OpsProduct	String	No	NrmOps	The product name.

Response parameters

Parameter	Type	Example	Description
Data	Array of JSONArray		The details of the switch.
GmtCreate	Long	1654593453	The timestamp that specifies when the entry was created.
HostName	String	ASW-XX-XX-XXXX	The SYSNAME of the switch.
IDC	String	amtestXXX	The data center.
IP	String	10.205.XX.XX	The IP address of the switch.
LastUpdate	Long	1654593453	The timestamp that specifies when the entry was last updated.
Manufacturer	String	Huawei	The switch manufacturer.
Model	String	CEXX-XX-XXXX	The switch model.
PingConn	Integer	1	The ping connectivity. Valid values: • 1: The network connectivity is normal. • -1: The network connectivity is abnormal.
Role	String	ASW	The service role of the switch.
SN	String	210XXXXXXXXX	The serial number (SN) of the switch. The SNs of two switches are returned in case of a switch stack.

SnmpConn	Integer	1	The SNMP connectivity. Valid values: • 1: The network connectivity is normal. • -1: The network connectivity is abnormal.
SoftwareRelease	String	V10XXXXXXXXXX	The software release number of the switch.
SoftwareVersion	String	8.1XXX	The software version number of the switch.
UpTime	String	2693524135	The startup time of the main processing unit of the switch.
message	String	success	The message that indicates whether the request was successful.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetSwitchInfo
&ip=10.205.XX.XX
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Data>
    <LastUpdate>1654593453</LastUpdate>
    <IP>10.205.XX.XX</IP>
    <IDC>amtestXXX</IDC>
    <SoftwareRelease>V10XXXXXXXXXX</SoftwareRelease>
    <Role>ASW</Role>
    <PingConn>1</PingConn>
    <GmtCreate>1654593453</GmtCreate>
    <SoftwareVersion>8.1XXX</SoftwareVersion>
    <SnmpConn>1</SnmpConn>
    <UpTime>2693524135</UpTime>
    <Model>CEXX-XX-XXXX</Model>
    <Manufacturer>Huawei</Manufacturer>
    <SN>210XXXXXXXXX</SN>
    <HostName>ASW-XX-XX-XXXX</HostName>
</Data>
<message>success</message>
```

`JSON` format

```
{
    "Data": {
        "LastUpdate": 1654593453,
        "IP": "10.205.XX.XX",
        "IDC": "amtestXXX",
        "SoftwareRelease": "V10XXXXXXXXXX",
        "Role": "ASW",
        "PingConn": 1,
        "GmtCreate": 1654593453,
        "SoftwareVersion": "8.1XXX",
        "SnmpConn": 1,
        "UpTime": 2693524135,
        "Model": "CEXX-XX-XXXX",
        "Manufacturer": "Huawei",
        "SN": "210XXXXXXXXX",
        "HostName": "ASW-XX-XX-XXXX"
    },
    "message": "success"
}
```


7.2.1.2. GetTopoInfo

Queries network topology information.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetTopoInfo	The operation that you want to perform. Set the value to GetTopoInfo.
idc	String	Yes	amtestXXX	The data center.
query_type	String	No	base	The topology type. Valid values: • base (default): reference topology. • dynamic: real-time topology.

Response parameters

Parameter	Type	Example	Description
Code	String	200	The response code.
Data	Struct		The network topology information.

Edges	Array of JSONArray		The information about network topology edges.
Color	String	#ccc	The color of the network topology edge.
EdgeFrom	String	10.205.XX.XX	The source device of the topology edge.
EdgeTo	String	10.202.XX.XX	The destination device of the topology edge.
EndPort	String	FortyGigXXXXX	The port of the destination device of the topology edge.
ID	String	256XXXXXXXXXX	The hash value of the edge ID.
IDC	String	amtestXXX	The data center.
NodePair	String	54XXXXXXXXXXX	The hash value of the edge. Edges that have the same hash value are represented by a line.
StartPort	String	40GE X/X/X	The port of the source device of the topology edge.
Groups	Struct		The node groups.
ASW	Struct		The ASW device group.
Image	String	/assets/bdm/ASW.png	The icon of the group.
Shape	String	image	The icon type.
CSW	Struct		The CSW device group.
Image	String	/assets/bdm/CSW.png	The icon of the group.
Shape	String	image	The icon type.
DSW	Struct		The DSW device group.

Image	String	/assets/bdm/DSW.png	The icon of the group.
Shape	String	image	The icon type.
HSW	Struct		The HSW device group.
Image	String	/assets/bdm/HSW.png	The icon of the group.
Shape	String	image	The icon type.
ISW	Struct		The ISW device group.
Image	String	/assets/bdm/ISW.png	The icon of the group.
Shape	String	image	The icon type.
LSW	Struct		The LSW device group.
Image	String	/assets/bdm/LSW.png	The icon of the group.
Shape	String	image	The icon type.
Nodes	Array of JSONArray		The topology nodes.
ID	String	10.205.XX.XX	The element ID.
IDC	String	amtestXXX	The data center.
Label	String	ASW-XX-XX-XXXX	The element tag.
Name	String	ASW-XX-XX-XXXX	The element name.
NodeGroup	String	ASW	The group to which the node device belongs. The value depends on the icon that is used by the node device.
Pid	String	["10.XX.XX. 01","10.XX.XX. 02"]	The logical parent node ID of the device. This parameter takes effect only for DSW.

SubIDs	String	["10.XX.XX.03","10.XX.XX.04"]	The logical child node ID of the device. This parameter takes effect only for DSW.
X	String	-200	The x-coordinate of the node.
Y	String	500	The y-coordinate of the node.
ErrMsg	String	ok	The message that indicates whether the request was successful.
ErrNo	String	0	The error code.
RequestId	String	256XXXXXXXXXXXXXXXXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
successResponse	String	true	Indicates whether the request was successful. Valid values: true and false.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetTopoInfo
&idc=amtestXXX
&<Common request parameters>
```

Sample success responses

`XML` format

```
<successResponse>true</successResponse>
<RequestId>256XXXXXXXXXXXXXXXXXX</RequestId>
<ErrMsg>ok</ErrMsg>
<ErrNo>0</ErrNo>
<Data>
    <Edges>
        <EdgeFrom>10.205.XX.XX</EdgeFrom>
        <NodePair>54XXXXXXXXXXXX</NodePair>
        <StartPort>40GE X/X/X</StartPort>
        <EndPort>FortyGigXXXXX</EndPort>
        <EdgeTo>10.202.XX.XX</EdgeTo>
        <Color>#ccc</Color>
        <IDC>amtestXXX</IDC>
        <ID>256XXXXXXXXXX</ID>
    </Edges>
    <Nodes>
        <X>-200</X>
```

```
        <SubIDs>[ "10.XX.XX. 03","10.XX.XX. 04" ]</SubIDs>
        <Label>ASW-XX-XX-XXXX</Label>
        <Y>500</Y>
        <IDC>amtestXXX</IDC>
        <Pid>[ "10.XX.XX. 01","10.XX.XX. 02" ]</Pid>
        <ID>10.205.XX.XX</ID>
        <NodeGroup>ASW</NodeGroup>
        <Name>ASW-XX-XX-XXXX</Name>
    </Nodes>
    <Groups>
        <ASW>
            <Shape>image</Shape>
            <Image>/assets/bdm/ASW.png</Image>
        </ASW>
        <CSW>
            <Shape>image</Shape>
            <Image>/assets/bdm/CSW.png</Image>
        </CSW>
        <DSW>
            <Shape>image</Shape>
            <Image>/assets/bdm/DSW.png</Image>
        </DSW>
        <ISW>
            <Shape>image</Shape>
            <Image>/assets/bdm/ISW.png</Image>
        </ISW>
        <HSW>
            <Shape>image</Shape>
            <Image>/assets/bdm/HSW.png</Image>
        </HSW>
        <LSW>
            <Shape>image</Shape>
            <Image>/assets/bdm/LSW.png</Image>
        </LSW>
    </Groups>
</Data>
<Code>200</Code>
<Success>true</Success>
```

`JSON` format

```
{
    "successResponse": true,
    "RequestId": "256XXXXXXXXXXXXXXXXXX",
    "ErrMsg": "ok",
    "ErrNo": 0,
    "Data": {
        "Edges": {
            "EdgeFrom": "10.205.XX.XX",
            "NodePair": "54XXXXXXXXXXX",
            "StartPort": "40GE X/X/X",
            "EndPort": "FortyGigXXXXX",
            "EdgeTo": "10.202.XX.XX",
            "Color": "#ccc"
```

```
            "color": "#ccc",
            "IDC": "amtestXXX",
            "ID": "256XXXXXXXXXX"
        },
        "Nodes": {
            "X": -200,
            "SubIDs": "[ \"10.XX.XX.03\",\"10.XX.XX.04\" ]",
            "Label": "ASW-XX-XX-XXXX",
            "Y": 500,
            "IDC": "amtestXXX",
            "Pid": "[ \"10.XX.XX.01\",\"10.XX.XX.02\" ]",
            "ID": "10.205.XX.XX",
            "NodeGroup": "ASW",
            "Name": "ASW-XX-XX-XXXX"
        },
        "Groups": {
            "ASW": {
                "Shape": "image",
                "Image": "/assets/bdm/ASW.png"
            },
            "CSW": {
                "Shape": "image",
                "Image": "/assets/bdm/CSW.png"
            },
            "DSW": {
                "Shape": "image",
                "Image": "/assets/bdm/DSW.png"
            },
            "ISW": {
                "Shape": "image",
                "Image": "/assets/bdm/ISW.png"
            },
            "HSW": {
                "Shape": "image",
                "Image": "/assets/bdm/HSW.png"
            },
            "LSW": {
                "Shape": "image",
                "Image": "/assets/bdm/LSW.png"
            }
        }
    },
    "Code": 200,
    "Success": true
}
```


7.2.1.3. ListPorts

Queries a list of device ports.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ListPorts	The operation that you want to perform. Set the value to ListPorts.
ip	String	Yes	10.205.XX.XX	The IP address of the device.
OpsProduct	String	No	NrmOps	The product name.

Response parameters

Parameter	Type	Example	Description
Data	Array of JSONArray		The ports of the device.
EndDevice	String	d22i0XX.XXX.XX	The name of the peer device.
EndPort	String	ethX	The name of the peer port.
EndPortIfAlias	String	Link_XXXXX-X	The description of the peer port.
GmtCreate	Long	1654491059	The timestamp that specifies when the entry was created.
IP	String	10.205.XX.XX	The IP address of the network device to which the port belongs.
IfAdminStatus	String	1	The admin status of the port. Valid values: • 1: UP. • 2: DOWN.
IfAlias	String	Link_XXXX-XX	The description of the port.
IfIndex	String	10	The interface index that was assigned to the port.
IfOperStatus	String	1	The operational status of the port. Valid values: • 1: UP. • 2: DOWN.

IfSpeed	String	10000	The data transfer rate on the port.
LastUpdate	Long	1654593824	The timestamp that specifies when the entry was last updated.
ifName	String	10GEX/X/X	The port name.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ListPorts
&ip=10.205.XX.XX
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Data>
    <IfSpeed>10000</IfSpeed>
    <IfAdminStatus>1</IfAdminStatus>
    <EndPortIfAlias>Link_XXXXX-X</EndPortIfAlias>
    <GmtCreate>1654491059</GmtCreate>
    <EndDevice>d22i0XX.XXX.XX</EndDevice>
    <LastUpdate>1654593824</LastUpdate>
    <EndPort>ethX</EndPort>
    <IP>10.205.XX.XX</IP>
    <ifName>10GEX/X/X</ifName>
    <IfIndex>10</IfIndex>
    <IfAlias>Link_XXXX-XX</IfAlias>
    <IfOperStatus>1</IfOperStatus>
</Data>
<message>success</message>
```

`JSON` format

```
{
    "Data": {
        "IfSpeed": 10000,
        "IfAdminStatus": 1,
        "EndPortIfAlias": "Link_XXXXX-X",
        "GmtCreate": 1654491059,
        "EndDevice": "d22i0XX.XXX.XX",
        "LastUpdate": 1654593824,
        "EndPort": "ethX",
        "IP": "10.205.XX.XX",
        "ifName": "10GEX/X/X",
        "IfIndex": 10,
        "IfAlias": "Link_XXXX-XX",
        "IfOperStatus": 1
    },
    "message": "success"
}
```


7.2.1.4. ListSwTotal

Queries a list of switches.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ListSwTotal	The operation that you want to perform. Set the value to ListSwTotal.
idc	String	No	amtestXXX	The data center. Default value: None. You can select "all" or a specific data center.
OpsProduct	String	No	NrmOps	The product name.

Response parameters

Parameter	Type	Example	Description
Data	Array of JSONArray		The list of switches.
GmtCreate	Long	1653585092	The timestamp that specifies when the entry was created.
HostName	String	ASW-XX-XX-XXXX	The SYSNAME of the switch.

IDC	String	amtestXXX	The data center.
IP	String	10.205.XX,XX	The IP address of the switch.
LastUpdate	Long	1654593453	The timestamp that specifies when the entry was last updated.
Manufacturer	String	Huawei	The switch manufacturer.
Model	String	CEXX-XX-XXX	The switch model.
PingConn	Integer	1	The ping connectivity. Valid values: • 1: The network connectivity is normal. • -1: The network connectivity is abnormal.
Role	String	ASW	The service role of the switch.
SN	String	210XXXXXXXXXXXX	The serial number (SN) of the switch. The SNs of two switches are returned in case of a switch stack.
ScanSource	String	null	This parameter is no longer in use.
SnmpConn	Integer	1	The SNMP connectivity. Valid values: • 1: The network connectivity is normal. • -1: The network connectivity is abnormal.
SoftwareRelease	String	V100XXXXXXXXXX	The software release number of the switch.
SoftwareVersion	String	8.XXXX	The software version number of the switch.
UpTime	String	2693524135	The startup time of the main processing unit of the switch.
message	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ListSwTotal
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Data>
    <ScanSource>null</ScanSource>
    <LastUpdate>1654593453</LastUpdate>
    <IP>10.205.XX,XX</IP>
    <IDC>amtestXXX</IDC>
    <SoftwareRelease>V100XXXXXXXXXXX</SoftwareRelease>
    <Role>ASW</Role>
    <PingConn>1</PingConn>
    <GmtCreate>1653585092</GmtCreate>
    <SoftwareVersion>8.XXXX</SoftwareVersion>
    <SnmpConn>1</SnmpConn>
    <UpTime>2693524135</UpTime>
    <Model>CEXX-XX-XXX</Model>
    <Manufacturer>Huawei</Manufacturer>
    <SN>210XXXXXXXXXXX</SN>
    <HostName>ASW-XX-XX-XXXX</HostName>
</Data>
<message>success</message>
```

`JSON` format

```
{
    "Data": {
        "ScanSource": "null",
        "LastUpdate": 1654593453,
        "IP": "10.205.XX,XX",
        "IDC": "amtestXXX",
        "SoftwareRelease": "V100XXXXXXXXXX",
        "Role": "ASW",
        "PingConn": 1,
        "GmtCreate": 1653585092,
        "SoftwareVersion": "8.XXXX",
        "SnmpConn": 1,
        "UpTime": 2693524135,
        "Model": "CEXX-XX-XXX",
        "Manufacturer": "Huawei",
        "SN": "210XXXXXXXXXXX",
        "HostName": "ASW-XX-XX-XXXX"
    },
    "message": "success"
}
```

7.2.1.5. GetPortInfo

Queries the port information of a network device.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetPortInfo	The operation that you want to perform. Set the value to GetPortInfo.
ip	String	Yes	10.205.XX.XX	The IP address of the network device.
port	String	Yes	Ten-GigabitEthernet 1/0/1	The port name of the network device.

Response parameters

Parameter	Type	Example	Description
Data	Struct		The information about the network device port.
EndDevice	String	d22i0XX.XXX.X	The name of the peer device.
EndPort	String	ethX	The name of the peer port.
EndPortIfAlias	String	Link_XXXXX-X	The description of the peer port.
GmtCreate	Long	1654491059	The timestamp that specifies when the entry was created.
IP	String	10.205.XX.XX	The IP address of the network device to which the port belongs.
IfAdminStatus	String	1	The admin status of the port. Valid values: 1: UP. 2: DOWN.
IfAlias	String	Link_XXXX-XX	The description of the port.
IfIndex	String	100	The interface index that was assigned to the port.

IfOperStatus	String	1	The operational status of the port. Valid values: 1: UP. 2: DOWN.
IfSpeed	String	1000	The data transfer rate on the port.
LastUpdate	Long	1654593824	The timestamp that specifies when the entry was last updated.
ifName	String	10GEX/X/X	The port name.
Message	String	ok	The message that indicates whether the request was successful.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetPortInfo
&ip=10.205.XX,XX
&port=Ten-GigabitEthernet1/0/1
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Message>ok</Message>
<Data>
    <IfSpeed>1000</IfSpeed>
    <IfAdminStatus>1</IfAdminStatus>
    <EndPortIfAlias>Link_XXXXX-X</EndPortIfAlias>
    <GmtCreate>1654491059</GmtCreate>
    <EndDevice>d22i0XX.XXX.X</EndDevice>
    <LastUpdate>1654593824</LastUpdate>
    <EndPort>ethX</EndPort>
    <IP>10.205.XX.XX</IP>
    <ifName>10GEX/X/X</ifName>
    <IfIndex>100</IfIndex>
    <IfAlias>Link_XXXX-XX</IfAlias>
    <IfOperStatus>1</IfOperStatus>
</Data>
```

`JSON` format

```
{
    "Message": "ok",
    "Data": {
        "IfSpeed": 1000,
        "IfAdminStatus": 1,
        "EndPortIfAlias": "Link_XXXXX-X",
        "GmtCreate": 1654491059,
        "EndDevice": "d22i0XX.XXX.X",
        "LastUpdate": 1654593824,
        "EndPort": "ethX",
        "IP": "10.205.XX.XX",
        "ifName": "10GEX/X/X",
        "IfIndex": 100,
        "IfAlias": "Link_XXXX-XX",
        "IfOperStatus": 1
    }
}
```


7.2.1.6. GetXnetFlow

Queries the data transfer volume of a network device port.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetXnetFlow	The operation that you want to perform. Set the value to GetXnetFlow.
end_time	Long	Yes	1655894604	The timestamp that specifies the end of the time range to query.
hostname	String	Yes	ASW-C4-3-AXXX	The SYSNAME of the network device.
info_type	String	Yes	interface	The type of the data to query. The value is specified as interface.
item	String	Yes	10GE1/0/6	The port name of the network device.
start_time	Long	Yes	1655891004	The timestamp that specifies the beginning of the time range to query.

Response parameters

Parameter	Type	Example	Description

Data	Array of JSONArray		The information about the network device port.
Array	Array of JSONArray		Details of the data transfer volume of the network device port.
TimeStamp	Long	1655894040	The timestamp that specifies the time when the data was returned.
Value	Long	21808258	The data transfer volume of the network device port.
Calc	Boolean	true	Indicates whether the returned data needs to be converted to rate.
Item	String	in_discard	The metric of the data transfer volume. Valid values: in_discard, in_pps, in_bps, in_error, out_discard, out_pps, out_bps, and out_error.
Message	String	success	The message that indicates whether the request was successful.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetXnetFlow
&end_time=1655894604
&hostname=ASW-C4-3-AXXX
&info_type=interface
&item=10GE1/0/6
&start_time=1655891004
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Message>success</Message>
<Data>
    <Item>in_discard</Item>
    <Calc>true</Calc>
    <Array>
        <Value>21808258</Value>
        <TimeStamp>1655894040</TimeStamp>
    </Array>
</Data>
```

`JSON` format

```
{
    "Message": "success",
    "Data": {
        "Item": "in_discard",
        "Calc": true,
        "Array": {
            "Value": 21808258,
            "TimeStamp": 1655894040
        }
    }
}
```

7.2.1.7. GetHardwareUtilization

Queries the CPU or memory utilization of a network device.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetHardwareUtilization	The operation that you want to perform. Set the value to GetHardwareUtilization.
hardware	String	Yes	mem	The type of the hardware. Valid values: • cpu: CPU. • mem: memory.
hostname	String	Yes	ASW-XX-XX-XXXX	The SYSNAME of the network device.
ip	String	Yes	10.205.XX.XX	The IP address of the network device.
start_time	Long	No	1654593453	The timestamp that specifies the beginning of the time range to query.
end_time	Long	No	1654598453	The timestamp that specifies the end of the time range to query.

Response parameters

Parameter	Type	Example	Description
Code	Integer	200	The response code.

Data	Array of JSONArray		The information about the hardware utilization.
Item	String	CPU_CE6XXX-48S6Q-HI.X	The hardware model.
Utiliz	String	28	The hardware utilization.
Message	String	success	The message that indicates whether the request was successful.
SuccessResponse	Boolean	true	Indicates whether the request was successful. Valid values: true and false.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetHardwareUtilization
&hardware=mem
&hostname=ASW-XX-XX-XXXX
&ip=10.205.XX.XX
&<Common request parameters>
```

Sample success responses

`XML` format

```
<SuccessResponse>true</SuccessResponse>
<Message>success</Message>
<Data>
    <Item>CPU_CE6XXX-48S6Q-HI.X</Item>
    <Utiliz>28</Utiliz>
</Data>
<Code>200</Code>
```

`JSON` format

```
{
    "SuccessResponse": true,
    "Message": "success",
    "Data": {
        "Item": "CPU_CE6XXX-48S6Q-HI.X",
        "Utiliz": 28
    },
    "Code": 200
}
```

7.2.1.8. GetPortTransPowerByName

Queries the optical RX/TX power of a network device port.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	GetPortTransPowerByName	The operation that you want to perform. Set the value to GetPortTransPowerByName.
IP	String	Yes	10.205.XX.XX	The IP address of the network device.
Port	String	Yes	10GEI/X/X	The port name of the network device.
StartTime	Long	No	1655604751	The timestamp that specifies the beginning of the time range to query.
EndTime	Long	No	1655608351	The timestamp that specifies the end of the time range to query.

Response parameters

Parameter	Type	Example	Description
Data	Struct		The information about the optical RX/TX power of the network device port.
IP	String	10.205.XX.XX	The IP address of the network device.
IfIndex	String	16850178	The interface index that was assigned to the port.
Port	String	10GEI/X/X	The port name of the network device.
Timestamps	List	["1655607000","1655607060","1655607060"]	The timestamps.
TransceiverCurRXPower	List	["-220","-220","-223"]	The optical RX power data.
TransceiverCurTXPower	List	["-261","-259","-259"]	The optical TX power data.
Message	String	ok	The message that indicates whether the request was successful.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetPortTransPowerByName
&IP=10.205.XX.XX
&Port=10GEI/X/X
&<Common request parameters>
```

Sample success responses

`XML` format

```
<Message>ok</Message>
<Data>
    <Port>10GEI/X/X</Port>
    <IP>10.205.XX.XX</IP>
    <IfIndex>16850178</IfIndex>
    <TransceiverCurRXPower>["-220","-220","-223"]</TransceiverCurRXPower>
    <TransceiverCurTXPower>["-261","-259","-259"]</TransceiverCurTXPower>
    <Timestamps>["1655607000","1655607060","1655607060"]</Timestamps>
</Data>
```

`JSON` format

```
{
    "Message": "ok",
    "Data": {
        "Port": "10GEI/X/X",
        "IP": "10.205.XX.XX",
        "IfIndex": 16850178,
        "TransceiverCurRXPower": "[\"-220\",\"-220\",\"-223\"]",
        "TransceiverCurTXPower": "[\"-261\",\"-259\",\"-259\"]",
        "Timestamps": "[\"1655607000\",\"1655607060\",\"1655607060\"]"
    }
}
```

7.2.2. Networking services

7.2.2.1. AllSlbClusters

Queries a list of Server Load Balancer (SLB) clusters or SLB proxy clusters.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
Service	String	Query	No	slb-lvs	The service name. Valid values: • slb-lvs: SLB cluster. • slb-proxy: SLB proxy cluster.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Map	{"slbCluster-A-XXXXXXX-XXXX":"slbCluster-B-XXXXXXX-XXXX"}	The clusters.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.

Parameter	Type	Example	Description
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=AllSlbClusters
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists. ",
 "ErrNo":"0",
 "Data":{
  "slbCluster-A-XXXXXXX-XXXX":"slbCluster-B-XXXXXXX-XXXX"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.2. GetNodeList

Queries a node list of a Server Load Balancer (SLB) cluster or an SLB proxy cluster.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The name of the SLB cluster or SLB proxy cluster. Set this parameter to the value returned by the AllSlbClusters operation.
Service	String	Query	No	slb-lvs	The service name. Valid values: • slb-lvs: SLB cluster. • slb-proxy: SLB proxy cluster.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The custom response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Array of TestListModel		The nodes.
enabled	Integer	1	The status of the node. Valid values: • 1: enabled. • 0: disabled.

Parameter	Type	Example	Description
gmt_create	Long	1681179099000	The timestamp that indicates when the node was created.
gmt_modify	Long	1681179205000	The timestamp that indicates when the information about the node was updated.
id	Integer	12	The node ID.
instance_id	String	lvsNode-XXXXXX	The instance ID.
ip_addr	String	10.XX.XX.X	The host IP address of the node.
laddr	String	10.XX.XX.XX/25	The CIDR block of the node.
service_enabled	String	disabled	The service status of the node.
status	String	online	The status of the node.
Ip	String	10.XX.XX.X	The service IP address of the node.
MachineState	String	good	The status of the host.
Hostname	String	c27b0XXXX.XXX	The hostname.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.

Parameter	Type	Example	Description
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetNodeList
&ClusterName=slbCluster-A-XXXXXXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "gmt_create":1681179099000,
  "laddr":"10.XX.XX.XX/25",
  "instance_id":"lvsNode-XXXXXX",
  "Ip":"10.XX.XX.X",
  "gmt_modify":1681179205000,
  "service_enabled":"disabled",
  "Hostname":"c27b0XXXX.XXX",
  "id":12,
  "ip_addr":"10.XX.XX.X",
  "enabled":1,
  "MachineState":"good",
  "status":"online"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.3. GetSlbLvsNodeStats

Queries the usage data of a Server Load Balancer (SLB) node.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description

ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The SLB cluster name. Set this parameter to the value returned by the AllSlbClusters operation.
NodeIP	String	Query	Yes	1.XX.XX.X	The IP address of the node. The value is the value of the IPAddr parameter that is returned by the GetNodeList operation.
StartTime	String	Query	No	1681446655	The timestamp that specifies the beginning of the time range to query. Default value: the timestamp 1 hour before the current time.
EndTime	String	Query	No	1685082869	The timestamp that specifies the end of the time range to query. Default value: the timestamp of the current time.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Struct		The usage data.
actConnsPS	List	[0,0,0,0,0]	The number of active connections. Unit: connections per seconds (CPS).

connsPS	List	[1,2,2,3,4]	The number of new connections. Unit: CPS.
dropConnPS	List	[0,0,0,0,0]	The number of dropped connections per second. Unit: CPS.
failConnPS	List	[1,2,2,3,4]	The number of failed connections per second. Unit: CPS.
inActConnPS	List	[1,2,2,3,4]	The number of inactive connections. Unit: CPS.
inBitsPS	List	[0,0,0,0,0]	The number of inbound bits per second.
inDBitesPS	List	[0,0,0,0,0]	The number of dropped inbound bits per second.
inDPktsPS	List	[0,0,0,0,0]	The number of dropped inbound packets per second.
inPktsPS	List	[0,0,0,0,0]	The number of inbound packets per second.
maxConnsPs	List	[0,0,0,0,0]	The total number of connections. Unit: CPS.
outBitsPS	List	[1,2,2,3,4]	The number of outbound bits per second.
outDBitesPS	List	[1,2,2,3,4]	The number of dropped outbound bits per second.
outDPktsPS	List	[0,0,0,0,0]	The number of dropped outbound packets per second.
outPktsPS	List	[0,0,0,0,0]	The number of outbound packets per second.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
Code	String	200	The response code.

Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetSlbLvsNodeStats
&ClusterName=slbCluster-A-XXXXXXX
&NodeIP=1.XX.XX.X
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "inDPktsPS":"[0,0,0,0,0]",
  "inPktsPS":"[0,0,0,0,0]",
  "inBitsPS":"[0,0,0,0,0]",
  "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
  "maxConnsPs":"[0,0,0,0,0]",
  "outPktsPS":"[0,0,0,0,0]",
  "inDBitesPS":"[0,0,0,0,0]",
  "outDBitesPS":"[1,2,2,3,4]",
  "outBitsPS":"[1,2,2,3,4]",
  "dropConnPS":"[0,0,0,0,0]",
  "actConnsPS":"[0,0,0,0,0]",
  "inActConnPS":"[1,2,2,3,4]",
  "connsPS":"[1,2,2,3,4]",
  "failConnPS":"[1,2,2,3,4]",
  "outDPktsPS":"[0,0,0,0,0]"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```


Nrm

2022-04-25

GetSlbLvsNodeStats

7.2.2.4. GetSlbLvsClusterStats

Queries the usage data of a Server Load Balancer (SLB) cluster.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The SLB cluster name. Set this parameter to the value returned by the AllSlbClusters operation.
StartTime	String	Query	No	1681446655	The timestamp that specifies the beginning of the time range to query. Default value: the timestamp 1 hour before the current time.
EndTime	String	Query	No	1681446655	The timestamp that specifies the end of the time range to query. Default value: the timestamp of the current time.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Struct		The usage data.
aclDBitsPS	List	[1,2,2,3,4]	The number of bits that were blocked by access control lists (ACLs) per second.
aclDPktsPS	List	[1,2,2,3,4]	The number of packets blocked by ACLs per second.

Parameter	Type	Example	Description
actConnsPS	List	[0,0,0,0,0]	The number of active connections. Unit: connections per seconds (CPS).
connsPS	List	[1,2,2,3,4]	The number of new connections. Unit: CPS.
dropConnPS	List	[0,0,0,0,0]	The number of dropped connections per second. Unit: CPS.
failConnPS	List	[1,2,2,3,4]	The number of failed connections per second. Unit: CPS.
inActConnPS	List	[1,2,2,3,4]	The number of inactive connections. Unit: CPS.
inBitsPS	List	[0,0,0,0,0]	The number of inbound bits per second.
inDBitesPS	List	[0,0,0,0,0]	The number of dropped inbound bits per second.
inDPktsPS	List	[0,0,0,0,0]	The number of dropped inbound packets per second.
inPktsPS	List	[0,0,0,0,0]	The number of inbound packets per second.
maxConnsPs	List	[0,0,0,0,0]	The total number of connections. Unit: CPS.
outBitsPS	List	[1,2,2,3,4]	The number of outbound bits per second.
outDBitesPS	List	[1,2,2,3,4]	The number of dropped outbound bits per second.
outDPktsPS	List	[0,0,0,0,0]	The number of dropped outbound packets per second.
outPktsPS	List	[0,0,0,0,0]	The number of outbound packets per second.

Parameter	Type	Example	Description
msTimestamp	List	["1681446655000","1681446713000","1681446771000","1681446829000","1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetSlbLvsClusterStats
&ClusterName=slbCluster-A-XXXXXXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "inDPktsPS":"[0,0,0,0,0]",
  "inPktsPS":"[0,0,0,0,0]",
  "inBitsPS":"[0,0,0,0,0]",
  "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
  "maxConnsPs":"[0,0,0,0,0]",
  "aclDBitsPS":"[1,2,2,3,4]",
  "outPktsPS":"[0,0,0,0,0]",
  "inDBitesPS":"[0,0,0,0,0]",
  "outDBitesPS":"[1,2,2,3,4]",
  "outBitsPS":"[1,2,2,3,4]",
  "dropConnPS":"[0,0,0,0,0]",
  "aclDPktsPS":"[1,2,2,3,4]",
  "actConnsPS":"[0,0,0,0,0]",
  "inActConnPS":"[1,2,2,3,4]",
  "connsPS":"[1,2,2,3,4]",
  "failConnPS":"[1,2,2,3,4]",
  "outDPktsPS":"[0,0,0,0,0]"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```


7.2.2.5. GetLbStats

Queries the usage data of a Server Load Balancer (SLB) instance.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The SLB cluster name. Set this parameter to the value returned by the AllSlbClusters operation.
LbIndex	String	Query	Yes	1.XX.XX.X	The ID or virtual IP address of the instance.
StartTime	Long	Query	No	1681446655	The timestamp that specifies the beginning of the time range to query. Default value: the timestamp 1 hour before the current time.
EndTime	Long	Query	No	1681446655	The timestamp that specifies the end of the time range to query. Default value: the timestamp of the current time.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Array of TestListModel		The usage data.
Array	Struct		The usage data.
actConnsPS	List	[0,0,0,0,0]	The number of active connections. Unit: connections per seconds (CPS).

Parameter	Type	Example	Description
connsPS	List	[1,2,2,3,4]	The number of new connections. Unit: CPS.
dropConnPS	List	[0,0,0,0,0]	The number of dropped connections per second. Unit: CPS.
failConnPS	List	[1,2,2,3,4]	The number of failed connections per second. Unit: CPS.
inActConnPS	List	[1,2,2,3,4]	The number of inactive connections. Unit: CPS.
inBitsPS	List	[0,0,0,0,0]	The number of inbound bits per second.
inDBitesPS	List	[0,0,0,0,0]	The number of dropped inbound bits per second.
inDPktsPS	List	[0,0,0,0,0]	The number of dropped inbound packets per second.
inPktsPS	List	[0,0,0,0,0]	The number of inbound packets per second.
maxConnsPs	List	[0,0,0,0,0]	The total number of connections. Unit: CPS.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
outBitsPS	List	[1,2,2,3,4]	The number of outbound bits per second.
outDBitesPS	List	[1,2,2,3,4]	The number of dropped outbound bits per second.
outDPktsPS	List	[0,0,0,0,0]	The number of dropped outbound packets per second.
outPktsPS	List	[0,0,0,0,0]	The number of outbound packets per second.

Parameter	Type	Example	Description
Protocol	String	tcp	The protocol.
Port	String	80	The port number.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The EagleEye ID.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetLbStats
&ClusterName=slbCluster-A-XXXXXXX
&LbIndex=1.XX.XX.X
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "Array":{
   "inDPktsPS":"[0,0,0,0,0]",
   "inPktsPS":"[0,0,0,0,0]",
   "inBitsPS":"[0,0,0,0,0]",
   "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
   "maxConnsPs":"[0,0,0,0,0]",
   "outPktsPS":"[0,0,0,0,0]",
   "inDBitesPS":"[0,0,0,0,0]",
   "outDBitesPS":"[1,2,2,3,4]",
   "outBitsPS":"[1,2,2,3,4]",
   "dropConnPS":"[0,0,0,0,0]",
   "actConnsPS":"[0,0,0,0,0]",
   "inActConnPS":"[1,2,2,3,4]",
   "connsPS":"[1,2,2,3,4]",
   "failConnPS":"[1,2,2,3,4]",
   "outDPktsPS":"[0,0,0,0,0]"
  },
  "Port":"80",
  "Protocol":"tcp"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.6. GetSlbProxyClusterStats

Queries the usage data of a Server Load Balancer (SLB) proxy cluster.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The SLB cluster name. Set this parameter to the value returned by the AllSlbClusters operation.
StartTime	String	Query	No	1681446655	The timestamp that specifies the beginning of the time range to query. Default value: the timestamp 1 hour before the current time.
EndTime	String	Query	No	1681446655	The timestamp that specifies the end of the time range to query. Default value: the timestamp of the current time.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Struct		The usage data.
ClusterName	String	slbCluster-A-XXXXXXX	The cluster name.
Info	Struct		The usage data.

Parameter	Type	Example	Description
handleps	List	[0,0,0,0,0]	The average number of processed connections.
httpqps	List	[2.3,2.4,2.4]	The number of HTTP requests processed per second.
qps	List	[0,0,0,0,0]	The number of requests processed per second.
read	List	[0,0,0,0,0]	The number of connections created for read requests.
reqs	List	[0,0,0,0,0]	The total number of generated requests.
rt	List	[0,0,0,0,0]	The average response time. Unit: ms. The value is calculated based on the following formula: (request_time[x] - request_time[x-1])/(requests[x] - requests[x-1]).
spdyps	List	[1,2,2,3,4]	The number of SPDY requests processed per second.
sslf	List	[0,0,0,0,0]	The number of failed SSL connections.
sslhst	List	[2.3,2.4,2.4]	The average SSL handshake time. Unit: ms.
sslqps	List	[0,0,0,0,0]	The number of SSL requests processed per second.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
sslv3f	List	[2.3,2.4,2.4]	The number of failed SSLv3 connections.
wait	List	[1,2,2,3,4]	The number of queued persistent connections.
write	List	[2.0,2.0,2.0]	The number of connections that wrote response data to users.

Parameter	Type	Example	Description
accept	List	[1,2,2,3,4]	The total number of new connections received.
active	List	[0,0,0,0,0]	The number of times that connections were initiated per second.
cps	List	[0,0,0,0,0]	The average number of connections received per second.
count	List	[1,2,2,3,4]	The total number of connections.
h2qps	List	[2.3,2.4,2.4]	The number of HTTP2 requests processed per second.
handle	List	[1,2,2,3,4]	The total number of processed connections.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.

Parameter	Type	Example	Description
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetSlbProxyClusterStats
&ClusterName=slbCluster-A-XXXXXXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "ClusterName":"slbCluster-A-XXXXXXX",
  "Info":{
   "reqs":"[0,0,0,0,0]",
   "rt":"[0,0,0,0,0]",
   "wait":"[1,2,2,3,4]",
   "read":"[0,0,0,0,0]",
   "spdyps":"[1,2,2,3,4]",
   "cps":"[0,0,0,0,0]",
   "count":"[1,2,2,3,4]",
   "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
   "active":"[0,0,0,0,0]",
   "handle":"[1,2,2,3,4]",
   "sslf":"[0,0,0,0,0]",
   "sslqps":"[0,0,0,0,0]",
   "accept":"[1,2,2,3,4]",
   "handleps":"[0,0,0,0,0]",
   "qps":"[0,0,0,0,0]",
   "sslhst":"[2.3,2.4,2.4]",
   "sslv3f":"[2.3,2.4,2.4]",
   "h2qps":"[2.3,2.4,2.4]",
   "httpqps":"[2.3,2.4,2.4]",
   "write":"[2.0,2.0,2.0]"
  }
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.7. GetSlbProxyNodeStats

Queries the usage data of a Server Load Balancer (SLB) proxy node.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	slbCluster-A-XXXXXXX	The SLB cluster name.
Hostname	String	Query	Yes	c27b0XXXXXXXX	The hostname of the node. The value is the value of the Hostname field that is returned by the GetNodeList operation.
StartTime	String	Query	No.	1681446655	The timestamp that specifies the beginning of the time range to query. Default value: the timestamp 1 hour before the current time.
EndTime	String	Query	No.	1681446655	The timestamp that specifies the end of the time range to query. Default value: the timestamp of the current time.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The custom response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.

Data	Struct		The usage data.
slb_proxy_cpu	Struct		The CPU usage data.
hirq	List	[2.3,2.4,2.4]	The percentage of the time that the CPU spent processing hardware interrupt requests.
sirq	List	[2.3,2.4,2.4]	The percentage of time that the CPU spent processing software interrupt requests.
sys	List	[1.1,1.2]	The percentage of time during which the CPU ran in kernel mode. A high value indicates that bottlenecks existed in the system. A low value indicates high CPU performance.
user	List	[1.1,1.2]	The percentage of time that the CPU spent executing user processes. A high value indicates high CPU performance.
util	List	[2.0,2.0,2.0]	The memory utilization.
wait	List	[2.3,2.4,2.4]	The number of queued persistent connections.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
slb_proxy_diskio	Struct		The disk usage data.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
await	List	[2.0,2.0,2.0]	The average amount of time that was consumed to send I/O requests to the serving device. Unit: milliseconds. The value is the sum of the time that was consumed to handle the requests in the queue and the time that was consumed to serve them.

qusize	List	[1.1,1.2]	The average queue length of requests sent to the device.
rqsize	List	[2.0,2.0,2.0]	The average size of requests sent to the device. Unit: sectors.
rrqms	List	[2.0,2.0,2.0]	The number of concurrent read requests sent to the device per second.
rs	List	[2.0,2.0,2.0]	The number of read requests sent to the device per second.
rsecs	List	[1.1,1.2]	The number of sectors read from the device per second.
svctm	List	[1.1,1.2]	The average amount of time that was consumed to serve I/O requests sent to the device. Unit: milliseconds.
util	List	[2.0,2.0,2.0]	The percentage of time that the CPU spent sending I/O requests to the device. This value shows the bandwidth utilization of the device. If the value is 100%, it indicates that the device is saturated.
wrqms	List	[2.0,2.0,2.0]	The number of concurrent write requests sent to the device per second.
ws	List	[2.0,2.0,2.0]	The number of write requests sent to the device per second.
wsecs	List	[1.1,1.2]	The number of sectors written to the device per second.
slb_proxy_load	Struct		The load usage data.
load1	List	[1.1,1.2]	The average system loads over the previous minute.
load15	List	[1.1,1.2]	The average system loads over the previous 15 minutes.
load5	List	[1.1,1.2]	The average system loads over the previous 5 minutes.

plit	List	[1.1,1.2]	The number of active tasks in the system when the data point was collected. Completed tasks are not included.
runq	List	[1.1,1.2]	The number of tasks in the queue when the data point was collected. The value is the same as the value of the procs_running field in /proc/stat.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
slb_proxy_mem	Struct		The memory usage data.
Dirty	List	[1.1,1.2]	The size of data waiting to be written back to the disk.
SReclaimable	List	[1.1,1.2]	The slab memory that can be reclaimed.
Shmem	List	[1.1,1.2]	The size of shared memory that has been allocated.
Slab	List	[1.1,1.2]	The cache size of the kernel data structure.
Writeback	List	[1.1,1.2]	The size of data being written back.
buff	List	[1.1,1.2]	The size of memory consumed by buffers.
cach	List	[1.1,1.2]	The size of memory consumed by caches. The operating system stores frequently accessed data in caches for quick access.
free	List	[1.1,1.2]	The size of the idle physical memory.
total	List	[1.1,1.2]	The total memory size.
used	List	[1.1,1.2]	The size of consumed memory.
util	List	[1.1,1.2]	The memory utilization.

msTimestamp	List	["1681446655000","1681446713000","1681446771000","1681446829000","1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
slb_proxy_qps	Struct		The QPS usage data.
accept	List	[1.1,1.2]	The total number of new connections received.
active	List	[1.1,1.2]	The number of active connections, including read, write, and waiting requests.
cps	List	[1.1,1.2]	The average number of connections received per second.
h2qps	List	[1.1,1.2]	The number of HTTP2 requests processed per second.
handle	List	[1.1,1.2]	The total number of processed connections.
handleps	List	[1.1,1.2]	The average number of processed connections.
httpqps	List	[1.1,1.2]	The number of HTTP requests processed per second.
qps	List	[1.1,1.2]	The number of requests processed per second.
read	List	[1.1,1.2]	The number of connections created for read requests.
reqs	List	[1.1,1.2]	The total number of generated requests.
rt	List	[1.1,1.2]	The average response time. Unit: ms.
spdyps	List	[1.1,1.2]	The number of SPDY requests processed per second.
sslf	List	[1.1,1.2]	The number of failed connections.

sslhst	List	[1.1,1.2]	The average SSL handshake time. Unit: ms.
sslqps	List	[1.1,1.2]	The number of SSL requests processed per second.
sslv3f	List	[1.1,1.2]	The number of failed SSLv3 connections.
wait	List	[1.1,1.2]	The number of queued persistent connections.
write	List	[1.1,1.2]	The number of connections that wrote response data to users.
msTimestamp	List	["1681446655000","1681446713000", "1681446771000", "1681446829000", "1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
slb_proxy_tcp	Struct		The TCP connection data.
AtmpFa	List	[1.1,1.2]	The number of times that a connection failed to be initiated per second. For example, syn packets are discarded due to a full semi-connection queue.
CurrEs	List	[1.1,1.2]	The number of current TCP connections.
EstRes	List	[1.1,1.2]	The number of times that connections were reset per second.
active	List	[1.1,1.2]	The number of times that connections were initiated per second.
iseg	List	[1.1,1.2]	The number of inbound TCP segments per second.
lisove	List	[1.1,1.2]	The number of connections that were discarded due to a full listen accept queue.
outseg	List	[1.1,1.2]	The number of outbound TCP segments per second.

pasive	List	[1.1,1.2]	The number of times that connections were passively generated per second.
retran	List	[1.1,1.2]	The retransmission percentage, which is the total number of retransmitted TCP segments divided by the total number of sent TCP segments.
msTimestamp	List	["1681446655000","1681446713000","1681446771000","1681446829000","1681446887000"]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetSlbProxyNodeStats
&ClusterName=slbCluster-A-XXXXXXX
&Hostname=c27b0XXXXXXXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "slb_proxy_diskio":{
   "rs":"[2.0,2.0,2.0]",
   "svctm":"[1.1,1.2]",
   "util":"[2.0,2.0,2.0]",
   "rqsize":"[2.0,2.0,2.0]",
   "await":"[2.0,2.0,2.0]",
   "rsecs":"[1.1,1.2]",
   "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
   "wsecs":"[1.1,1.2]",
   "rrqms":"[2.0,2.0,2.0]",
   "ws":"[2.0,2.0,2.0]",
   "wrqms":"[2.0,2.0,2.0]",
   "qusize":"[1.1,1.2]"
  },
  "slb_proxy_cpu":{
   "hirq":"[2.3,2.4,2.4]",
   "sirq":"[2.3,2.4,2.4]",
   "wait":"[2.3,2.4,2.4]",
   "util":"[2.0,2.0,2.0]",
   "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
   "sys":"[1.1,1.2]",
   "user":"[1.1,1.2]"
  },
  "slb_proxy_load":{
   "plit":"[1.1,1.2]",
   "runq":"[1.1,1.2]",
```

```
    "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
    "load5":"[1.1,1.2]",
    "load1":"[1.1,1.2]",
    "load15":"[1.1,1.2]"
   },
   "slb_proxy_tcp":{
    "lisove":"[1.1,1.2]",
    "retran":"[1.1,1.2]",
    "AtmpFa":"[1.1,1.2]",
    "EstRes":"[1.1,1.2]",
    "outseg":"[1.1,1.2]",
    "active":"[1.1,1.2]",
    "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
    "CurrEs":"[1.1,1.2]",
    "iseg":"[1.1,1.2]",
    "pasive":"[1.1,1.2]"
   },
   "slb_proxy_qps":{
    "reqs":"[1.1,1.2]",
    "rt":"[1.1,1.2]",
    "wait":"[1.1,1.2]",
    "read":"[1.1,1.2]",
    "spdyps":"[1.1,1.2]",
    "cps":"[1.1,1.2]",
    "active":"[1.1,1.2]",
    "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
    "handle":"[1.1,1.2]",
    "sslf":"[1.1,1.2]",
    "sslqps":"[1.1,1.2]",
    "accept":"[1.1,1.2]",
    "handleps":"[1.1,1.2]",
    "qps":"[1.1,1.2]",
    "sslhst":"[1.1,1.2]",
    "sslv3f":"[1.1,1.2]",
    "h2qps":"[1.1,1.2]",
    "httpqps":"[1.1,1.2]",
    "write":"[1.1,1.2]"
   },
   "slb_proxy_mem":{
    "SReclaimable":"[1.1,1.2]",
    "Shmem":"[1.1,1.2]",
    "total":"[1.1,1.2]",
    "Writeback":"[1.1,1.2]",
    "util":"[1.1,1.2]",
    "msTimestamp":"
[\"1681446655000\",\"1681446713000\",\"1681446771000\",\"1681446829000\",\"1681446887000\
",
    "used":"[1.1,1.2]",
```

```
    "free":"[1.1,1.2]",
    "Dirty":"[1.1,1.2]",
    "Slab":"[1.1,1.2]",
    "buff":"[1.1,1.2]",
    "cach":"[1.1,1.2]"
   }
  },
  "requestURI":"/slalink/fulllink/classic/XXXXXX",
  "Code":"200",
  "Success":true,
  "responseVersion":"v1",
  "success":true,
  "errCode":"ASO_NETWORK_EXISTING",
  "errMessage":"The data already exists. Check the parameter value."
}
```


Nrm

2022-04-25

GetSlbProxyNodeStats

7.2.2.8. GetXgwClusterList

Queries a list of extendable gateways.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ProductName	String	Query	Yes	vpc	The service name. Set the value to vpc.
ClusterType	String	Query	No	xgw	The type of the cluster. Default value: xgw.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.

Parameter	Type	Example	Description
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Map	{"vpcAzoneCluster-A-XXXXXXX-XXXX":"vpcAzoneCluster-B-XXXXXXX-XXXX"}	The clusters.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetXgwClusterList
&ProductName=vpc
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "vpcAzoneCluster-A-XXXXXXX-XXXX":"vpcAzoneCluster-B-XXXXXXX-XXXX"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.9. GetXgwClusterAll

Queries the usage data of extendable gateways and their nodes.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description

Parameter	Type	Position	Required	Example	Description
Host	String	Query	No	c27b02007.cloudXXXXXXXXXXX	The hostname of the node. You must specify this parameter when you query the usage data of the node. The value is the value of the Hostname parameter that is returned by the GetXgwMachineList operation.
ClusterType	String	Query	No	xgw	The type of the cluster. Default value: xgw.
StartTime	Long	Query	No.	1681446655	The timestamp that specifies the beginning of the time range to query.
EndTime	Long	Query	No.	1681446655	The timestamp that specifies the end of the time range to query.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The custom response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Struct		The usage data.

Parameter	Type	Example	Description
TimeStamp	List	[1681446660000,1681446720000,1681446780000]	The time when the monitoring data was collected. The value is a UNIX timestamp. Unit: milliseconds.
PacketLossRateIn	List	["0","0","0"]	The number of dropped inbound packets per second.
PacketLossRateOut	List	["0","0","0"]	The number of dropped outbound packets per second.
PacketRateIn	List	["51","68","70"]	The number of inbound packets per second.
PacketRateOut	List	["46","58","61"]	The number of outbound packets per second.
OutByteRate	List	["43416","51792","54904"]	The outbound bandwidth. Unit: bit/s.
InByteRate	List	["49560","66968","64744"]	The inbound bandwidth. Unit: bit/s.
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.

Parameter	Type	Example	Description
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetXgwClusterAll
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "PacketLossRateIn":"[\"0\",\"0\",\"0\"]",
  "PacketLossRateOut":"[\"0\",\"0\",\"0\"]",
  "PacketRateOut":"[\"46\",\"58\",\"61\"]",
  "OutByteRate":"[\"43416\",\"51792\",\"54904\"]",
  "PacketRateIn":"[\"51\",\"68\",\"70\"]",
  "InByteRate":"[\"49560\",\"66968\",\"64744\"]",
  "TimeStamp":"[1681446660000,1681446720000,1681446780000]"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.2.2.10. GetXgwMachineList

Queries a list of the nodes of extendable gateways.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
ClusterName	String	Query	Yes	vpcAzoneCluster-AXXXXXXX	The name of the cluster. Set the value to the value returned by the GetXgwClusterList operation.
ClusterType	String	Query	No	xgw	The type of the cluster. Default value: xgw.

Response parameters

Parameter	Type	Example	Description
ErrMsg	String	success	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
ErrNo	String	0	The response code.
RequestId	String	0ED8XXXX-XXXX-XXXX-XXXX	The request ID.
Success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
Data	Array of TestListModel		The clusters.
HostName	String	c27b0XXXXXXXXXXX	The hostname of the node.
IDC	String	amXXXX	The data center where the node is deployed.
IP	String	10.XX.XX.X	The IP address of the node.
State	String	good	The status of the node.

Parameter	Type	Example	Description
Code	String	200	The response code.
Message	String	ok	The response message.
eagleEyeTraceId	String	0a421xxxxxxxxxxxxxxxxxxxxxx	The EagleEye ID.
cost	Integer	905	The response time.
success	Boolean	true	Indicates whether the request was successful. Valid values: true and false.
requestURI	String	/slalink/fulllink/classic/XXXXXX	The URL of the request.
serviceRole	String	baseXXXXX.baseXXXXXX.XXXX#	The service role.
responseVersion	String	v1	The version of the response.
errCode	String	ASO_NETWORK_EXISTING	The error code.
errTitle	String	The data already exists.	The title of the error message.
errMessage	String	The data already exists. Check the parameter value.	The error message.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetXgwMachineList
&ClusterName=vpcAzoneCluster-AXXXXXXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "eagleEyeTraceId":"0a421xxxxxxxxxxxxxxxxxxxxxx",
 "cost":905,
 "RequestId":"0ED8XXXX-XXXX-XXXX-XXXX",
 "Message":"ok",
 "ErrMsg":"success",
 "serviceRole":"baseXXXXX.baseXXXXXXX.XXXX#",
 "errTitle":"The data already exists.",
 "ErrNo":"0",
 "Data":{
  "State":"good",
  "IP":"10.XX.XX.X",
  "IDC":"amXXXX",
  "HostName":"c27b0XXXXXXXXXX"
 },
 "requestURI":"/slalink/fulllink/classic/XXXXXX",
 "Code":"200",
 "Success":true,
 "responseVersion":"v1",
 "success":true,
 "errCode":"ASO_NETWORK_EXISTING",
 "errMessage":"The data already exists. Check the parameter value."
}
```

7.3. Storage Operations Console

7.3.1. Apsara Distributed File System O&M

7.3.1.1. GetPanguStorageCapacity

Queries the capacity of a product in Apsara Distributed File System.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
productCode	String	Query	Yes	hologres	The product name. Examples: oss, nas, cds, hologres, ecs, tianji, and odps.

To query the values that you can specify for productCode, log on to the **ApsaraUni-manager Operations Console** , click **Products** , and select **Apsara Distributed File System** from the drop-down list. Then, click **Dashboard** in the left-side navigation pane.

Response parameters

Parameter	Type	Example	Description
code	String	200	The response code. Valid values: • 200: The request is successful. • 500: An unknown exception occurred. You must troubleshoot the backend service port.
data	Array of PanguStorageCapacity		The information about the capacity of the product in Apsara Distributed File System.
totalSize	String	88542	The total capacity of the product. Unit: GB.
totalFreeSize	String	83801	The remaining capacity of the product. Unit: GB.
usedSpacePercent	String	5.3500	The proportion of the used capacity.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=GetPanguStorageCapacity
&productCode=hologres
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "code":"200",
 "data":[{
  "totalSize":"88542",
  "totalFreeSize":"83801",
  "usedSpacePercent":"5.3500"
 }]
}
```

7.3.2. CDS O&M

7.3.2.1. DescribeOssCluster

Queries the information about an Object Storage Service (OSS) cluster based on the cluster ID.

Request headers

Parameter	Type	Position	Required	Example	Description
OpsProduct	String	Header	No		

Request parameters

Parameter	Type	Position	Required	Example	Description
storageClusterId	String	Body	No	sc-0000266w2des2hk08oj6	The storage cluster ID. You can call the DescribeStorageClusters operation to query storage clusters and obtain their IDs.
ossClusterId	String	Body	No	oc-0000266w2des2hk08oj6	The OSS cluster ID. You must specify this parameter or the storageClusterId parameter. If you specify both parameters, the value of storageClusterId prevails.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the request is successful. Valid values: true and false.
requestId	String	2b88c1d1-dbcd-4204-b0ea-ed768a7ef863	The request ID.
code	String	200	The returned HTTP status code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.

message	String	successful	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
storageClusterId	String	sc-0000263bm0ssvce7ika2	The storage cluster ID.
ossClusterId	String	oc-0000263bm0ssvce9qsp4	The OSS cluster ID.
slaDay	Float	100.0	The percentage of Standard buckets in the cluster. Unit: %.
totalRequest	Long	14590646	The total number of requests that the cluster handled.
totalReadRequest	Long	14493831	The number of read requests that the cluster handled.
totalWriteRequest	Long	80184	The number of write requests that the cluster handled.
trafficIn	Float	148674670	The cluster inbound traffic of the current day. Unit: Bytes.
trafficOut	Float	63725396	The cluster outbound traffic of the current day. Unit: Bytes.
bucketCount	Long	82	The number of buckets in the cluster.
bucketCountTodayInc	Long	0	The number of buckets created on the current day.
totalObjectCount	Long	516829340	The number of objects in the cluster.
totalObjectCountTodayInc	Long	15333291	The number of objects created on the current day.
storage	Long	41647257681920	The logical storage capacity of the cluster.

storageInc	Long	0	The logical incremental storage capacity of the cluster on the current day.
overdue	Boolean	false	Indicates whether the cluster is expired. Valid values: true and false.
updatedTime	Long	0	The time when the cluster information was last updated.
ossUsed	Long	0	This parameter has been deprecated.
ossUsedRate	Float	38.81	The capacity utilization. Unit: %.
ossTotalSizeT	Float	432	The total capacity. Unit: TiB.
ossUsedT	Float	3.41	The used capacity. Unit: TiB.

Examples

Sample requests

```
{
    "storageClusterId":"sc-0000266w2des2hk08oj6"
}
```

Sample success responses

`JSON` format

```
{
 "updatedTime": 0,
 "ossUsed": 0,
 "totalObjectCount": 516829340,
 "code": "200",
 "trafficIn": 148674670,
 "trafficOut": 63725396,
 "ossUsedT": 141.71,
 "slaDay": 100,
 "storageClusterId": "sc-0000263bm0ssvce7ika2",
 "storageInc": 0,
 "storage": 41647257681920,
 "message": "successful",
 "ossTotalSizeT": 365.14,
 "totalReadRequest": 14493831,
 "totalObjectCountTodayInc": -15333291,
 "totalRequest": 14590646,
 "bucketCountTodayInc": 0,
 "overdue": false,
 "success": true,
 "requestId": "2b88c1d1-dbcd-4204-b0ea-ed768a7ef863",
 "ossClusterId": "oc-0000263bm0ssvce9qsp4",
 "bucketCount": 82,
 "ossUsedRate": 38.81,
 "totalWriteRequest": 80184
}
```


7.3.2.2. DescribeClusterCapacity

Queries the capacity statistics about storage clusters.

Request headers

Parameter	Type	Position	Required	Example	Description
OpsProduct	String	Header	No		

Request parameters

Parameter	Type	Position	Required	Example	Description
clusterName	String	Body	No	CdsOtsSearchSsdCluster-A-20230910-004c	The name of the storage cluster. Separate multiple names with commas (,).

Response parameters

Parameter	Type	Example	Description
data	Array		
-clusterName	String	CdsEbsHybridCluster-A-20230910-0048	The cluster name.
-clusterAliasName	String	CdsEbsHybridCluster-A-20230910-0048	The cluster alias.
-ioType	String	io8,io16	The I/O type of a block cluster. This parameter takes effect only when the queried cluster is a block storage cluster.
-media	String	hybrid	The storage medium type. Valid values: hybrid and ssd. hybird indicates hybrid flash storage and ssd indicates all-flash storage.
-storageType	String	EBS	The storage service type. Valid values: • -EBS -EBS • -OSS -OSS
-factoryBytes	Long	864009981001728	The rated physical storage capacity. Unit: bytes.
-plannedBytes	Long	544326237028352	The storage capacity displayed on Deployment Planner. Unit: bytes.
-consumedBytes	Long	515396075520	The used logical space of the storage service. Unit: bytes. The value is calculated based on the formula of the corresponding service.
-provisionedBytes	Long	726580450151103	The total logical space of the storage service. Unit: bytes. The value is calculated based on the formula of the corresponding service.

-allocatedBytes	Long	8761529272893	The used physical space displayed on Apsara Distributed File System, excluding the physical space used by cache disks. Unit: bytes. The value may be different from the data queried by calling the relevant operations of the storage service. Therefore, the data queried by calling the relevant operations of the storage service prevail.
-guaranteedBytes	Long	854800529589534	The total physical space displayed on Apsara Distributed File System, excluding the physical space of cache disks. Unit: bytes. The value may be different from the data queried by calling the relevant operations of the storage service. Therefore, the data queried by calling the relevant operations of the storage service prevail.
success	Boolean	true	Indicates whether the request is successful. Valid values: true and false.
requestId	String	7ac0e3b8-1f9e-4793-aa0c-850fba0394c0	The request ID.
code	String	200	The response code.
message	String	successful	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

Examples

Sample requests

```
{
    "clusterName": "CdsEbsHybridCluster-A-20230910-0048,CdsOssHybridCluster-A-20230830-004e"
}
```

Sample success responses

`JSON` format

```
{
 "code": "200",
 "data": [{
   "allocatedBytes": 8761529272893,
   "clusterAliasName": "CdsEbsHybridCluster-A-20230910-0048",
   "clusterName": "CdsEbsHybridCluster-A-20230910-0048",
   "consumedBytes": 515396075520,
   "factoryBytes": 864009981001728,
   "guaranteedBytes": 854800529589534,
   "ioType": "io8,io16",
   "media": "hybrid",
   "plannedBytes": 544326237028352,
   "provisionedBytes": 726580450151103,
   "storageType": "EBS"
  },
  {
   "allocatedBytes": 81972049518,
   "clusterAliasName": "CdsOssHybridCluster-A-20230830-004e",
   "clusterName": "CdsOssHybridCluster-A-20230830-004e",
   "consumedBytes": 0,
   "factoryBytes": 864009981001728,
   "guaranteedBytes": 814263822100000,
   "plannedBytes": 330483808337920,
   "provisionedBytes": 244256501399552,
   "media": "hybrid",
   "storageType": "OSS"
  }
 ],
 "message": "successful",
 "requestId": "7ac0e3b8-1f9e-4793-aa0c-850fba0394c0",
 "success": true
}
```


7.3.2.3. DescribeHosts

Queries a list of hosts.

Request headers

Parameter	Type	Position	Required	Example	Description
OpsProduct	String	Header	No		

Request parameters

Parameter	Type	Position	Required	Example	Description

storageClusterId	String	Body	No	sc-0009x1sadxxl4s399d40	The storage cluster ID.
sortBy	String	Body	No	hostName	The field by which the returned data is sorted. If this parameter is left empty, the returned data is sorted by creation time.
orderBy	String	Body	No	DESC	The type of sorting. Valid values: • ASC: ascending order. • DESC (default): descending order.
page	Integer	Body	No	1	The page number. Default value: 1.
size	Integer	Body	No	10	The number of entries per page. Valid values: 1 to 100. Default value: 10.

Response parameters

Parameter	Type	Example	Description
hosts	Array		The hosts.
-storageClusterId	String	sc-000ekx55q5mf27zd5a3p	The storage cluster ID.
-hostId	String	hs-000ekx55q5mf27zg1z2m	The host ID.
-hostName	String	21e03018.cloud.e03.amtest212	The hostname.
-clusterName	String	CdsOssHybridCluster-A-20230820-013c	The cluster name.

-clusterAliasName	String	CdsOssHybridCluster-A-20230820-013c	The cluster alias.
-ipAddress	String	10.212.1.8	The IP address.
-cpu	Integer	64	The number of CPU cores.
-memory	Long	274877906944	The memory size. Unit: bytes.
-state	String	GOOD	Indicates whether the host is available. GOOD indicates that the host is available. Otherwise, the host is unavailable.
-status	String	NORMAL	The status of the host. Valid values: • NORMAL: The host is normal. • PINGERROR: A PING failure occurred. • OPS: The host is under O&M. • NOHEARTBEAT: No heartbeat is detected. • STATUSERROR: The host status is invalid. • SCALEIN: The host is being scaled in. • SCALEOUT: The host is being scaled out.
-machineType	String	PN68P2M1S1.22	The type of the host.
-os	String	AliOS7U2-x86-64	The operating system.
-sn	String	221266574	The serial number.
-azone	String	cn-wulan-env212-amtest212001-a	The zone ID.
-idc	String	amtest212	IDC
-room	String	C2-1	The data center.
-rack	String	E03	The rack ID.
-rackUnitId	Integer	18	The rack unit ID.

success	Boolean	true	Indicates whether the request is successful. Valid values: true and false.
requestId	String	80eb5f0b-11d9-4992-95df-2a15be050a25	The request ID.
code	String	200	The returned HTTP status code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	successful	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.
totalElements	Long	6	The total number of entries returned.
totalPages	Long	1	The total number of pages returned.
numberOfElements	Long	6	The number of returned objects.
sorted	Boolean	true	Indicates whether sorting was enabled. Valid values: true and false.
paged	Boolean	true	Indicates whether pagination was enabled. Valid values: true and false.
firstPage	Boolean	true	Indicates whether the current page is the first page. Valid values: true and false.
lastPage	Boolean	true	Indicates whether the current page is the last page. Valid values: true and false.
page	Integer	1	The page number.
size	Integer	10	The number of entries per page.

Examples

Sample requests

```
{
 "storageClusterId": "sc-0009x1sadxxl4s399d40",
 "page": 1,
 "size": 10
}
```

Sample success responses

`JSON` format


```
{
    "paged": true,
    "code": "200",
    "lastPage": true,
    "hosts": [
        {
            "hostName": "c21e03018.cloud.e03.amtest212",
            "rack": "E03",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.1.8",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zg1z2m",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 18,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221266574",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
            "status": "NORMAL"
        },
        {
            "hostName": "c21e03117.cloud.e04.amtest212",
            "rack": "E04",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.1.9",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zkqyop",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 17,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221268367",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
            "status": "NORMAL"
        },
        {
```

```
            "hostName": "c21e05016.cloud.e05.amtest212",
            "rack": "E05",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.2.8",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zjhkjr",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 16,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221268368",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
            "status": "NORMAL"
        },
        {
            "hostName": "c21e05114.cloud.e06.amtest212",
            "rack": "E06",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.2.9",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zlhlgz",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 14,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221268369",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
            "status": "NORMAL"
        },
        {
            "hostName": "c21e07017.cloud.e07.amtest212",
            "rack": "E07",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.3.6",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zfyylr",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 17,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221268372",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
```

```
            "status": "NORMAL"
        },
        {
            "hostName": "c21e07102.cloud.e08.amtest212",
            "rack": "E08",
            "memory": 274877906944,
            "os": "AliOS7U2-x86-64",
            "ipAddress": "10.212.3.7",
            "cpu": 64,
            "hostId": "hs-000ekx55q5mf27zc0vxj",
            "idc": "amtest212",
            "storageClusterId": "sc-000ekx55q5mf27zd5a3p",
            "rackUnitId": 2,
            "room": "C2-1",
            "clusterName": "CdsOssHybridCluster-A-20230820-013c",
            "sn": "221268375",
            "state": "GOOD",
            "azone": "cn-wulan-env212-amtest212001-a",
            "machineType": "PN68P2M1S1.22",
            "status": "NORMAL"
        }
    ],
    "message": "successful",
    "totalElements": 6,
    "sorted": true,
    "firstPage": true,
    "numberOfElements": 6,
    "size": 9,
    "requestId": "80eb5f0b-11d9-4992-95df-2a15be050a25",
    "success": true,
    "totalPages": 1,
    "page": 1
}
```


7.3.2.4. DescribeMetrics

Queries metric data.

Metric types

- STORAGE_CLUSTER

STORAGE_CLUSTER: metrics related to storage clusters. To query the metric data of a storage cluster, you must obtain the cluster ID, specify the ID as the value of entityId, and then call the DescribeMetrics operation. You can call the DescribeStorageClusters operation to obtain the ID of the storage cluster.

- BLOCK_CLUSTER

BLOCK_CLUSTER: metrics related to block storage clusters. To query the metric data of a block storage cluster, you must obtain the cluster ID, specify the ID as the value of entityId, and then call the DescribeMetrics operation. You can call the DescribeBlockClusters operation to obtain the ID of the block storage cluster.

- OSS_CLUSTER

OSS_CLUSTER: metrics related to Object Storage Service (OSS) clusters. To query the metric data of an OSS cluster, you must obtain the cluster ID, specify the ID as the value of entityId, and then call the DescribeMetrics operation. You can call the DescribeOssCluster operation to obtain the ID of the OSS cluster.

- HOST

HOST: metrics related to hosts. To query the metric data of a host, you must obtain the host ID, specify the ID as the value of entityId, and then call the DescribeMetrics operation. You can call the DescribeHosts operation to obtain the ID of the host.

- OSS_BUCKET

OSS_BUCKET: metrics related to OSS buckets. To query the metric data of an OSS bucket, you can call the DescribeMetrics operation and set the entityId parameter to oss_bucket and the Tags parameter to the name of the bucket. You can call the ListBucket operation to obtain the name of the bucket.

- Example

You want to obtain the data points of the qps1 and qps2 metrics of an OSS cluster. You can perform the following steps to obtain the metric data points:

- Step 1: Obtain the storage cluster ID

Call the DescribeStorageClusters operation to obtain the value of storageClusterId.

- Step 2: Obtain the OSS cluster ID

Specify the value of storageClusterId obtained in Step 1 as the value of ossClusterId and call the DescribeOssCluster operation to obtain the corresponding OSS cluster ID.

- Step 3: Obtain the data points of metrics

Specify the value of ossClusterId obtained in Step 2 as the value of entiryId and set the metrics parameter to qps1 and qps2. Then, call the DescribeMetrics operation to obtain the data points of qps1 and qps2 metrics.

Request headers

Parameter	Type	Position	Required	Example	Description
OpsProduct	String	Header	No		

Request parameters

Parameter	Type	Position	Required	Example	Description

entityId	String	Body	No	oc-0000266w2des2hjxvno4	The ID of the entity whose metric information you want to query. Supported entity types: • STORAGE_CLUSTER: storage cluster. • BLOCK_CLUSTER: block storage cluster. • OSS_CLUSTER: OSS cluster. • HOST: host. To query the metric information of an OSS bucket, set this parameter to oss_bucket and specify the bucket name in the Tags parameter.
startTs	Long	Body	No	1693185016323	The start time of metric collection. Unit: ms.
endTs	Long	Body	No	1693188616323	The end time of metric collection. Unit: ms.
resolution	Integer	Body	No	400	The number of times that data points for the metric are collected between the start time and end time of metric collection. Valid values: 1–960. Recommended value: 400. The system calculates the number of times that data points for the metric are collected based on the value of this parameter and the values of the startTs and endTs parameters.

metrics	String	Body	No	sync_in_intranet_recv,sync_in_intranet_send	The name of the metric whose data you want to obtain. You can specify multiple metrics at the same time. Separate multiple metrics with commas (,). The metric type must be the same as the type of the entity that you specified in entityId. Metrics are classified into the following types based on the entity types: 1. STORAGE_CLUSTER 2. BLOCK_CLUSTER 3. OSS_CLUSTER 4. HOST 5. OSS_BUCKET The metrics of each type will be described in detail in the following section.
tags	List	Body	No	[{"key":"bucket","value":"aes202308281511"}]	The tag key-value pair of the bucket whose metric information you want to query. You need to specify this parameter only for metrics of the OSS_BUCKET type. Example: {"key":"bucket","value":"aes202308281511"}. This example indicates that you want to query the metric information of the bucket whose tag value is aes202308281511.

Response parameters

Parameter	Type	Example	Description
success	Boolean	true	Indicates whether the call was successful. Valid values: true and false.

requestId	String	2b88c1d1-dbcd-4204-b0ea-ed768a7ef863	The request ID.
code	String	200	The returned HTTP status code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	successful	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

body	String	[{\"columns\": [\"time\", \"value\"],\"name\": \"sync_in_intranet_recv\",\"values\": [[1692938670000, 0.0], [1692938680000, 0.0], [1692938690000, 0.0], [1692938700000, 0.0]] }, {\"columns\": [\"time\", \"value\"],\"name\": \"sync_in_intranet_send\", \"values\": [[1692938670000, 0.0], [1692938680000, 0.0], [1692938690000, 0.0], [1692938700000, 0.0], [1692938710000, 0.0]]}]	The metric information. The value is a JSON string that contains the following fields: name, columns, and values.
			• name
			The metric name.
			• columns
			The returned metric data.
			`- time: the time when the data point was collected.`
			`-value: the data point of the metric.`
			• values
			The array of the values field corresponds to the array of the columns field. For example, the [1692938670000, 0.0] array can be converted to the {"time": 1692938670,000, "value": 0.0} object.

Examples

Sample requests

```
{
 "_tag": "default",
 "entityId": "oc-0000266w2des2hjxvno4",
 "startTs": 1693185016323,
 "endTs": 1693188616323,
 "metrics": "sync_in_intranet_recv,sync_in_intranet_send",
 "tags": [],
 "resolution": 400
}
```

Sample success responses

`JSON` format

```
{
    "code": "200",
    "success": true,
    "requestId": "a3ff0f3d-bff6-4b29-8e27-d05aae23f069",
    "message": "successful",
    "body": "[{\"columns\": [\"time\", \"value\"],\"name\":
\"sync_in_intranet_recv\",\"values\": [[1692938670000, 0.0],[1692938680000, 0.0],[16929
38690000, 0.0],[1692938700000, 0.0]] }, {\"columns\": [\"time\",
\"value\"],\"name\":\"sync_in_intranet_send\", \"values\": [[1692938670000, 0.0],[16929
38680000, 0.0],[1692938690000, 0.0], [1692938700000, 0.0],[1692938710000, 0.0]]}]"
}
```

Metrics

Metrics are classified into the following types: STORAGE_CLUSTER, BLOCK_CLUSTER, BLOCK_CLUSTER, HOST, and OSS_BUCKET.

HOST

Description	Metric
CPU	host_cpu
Memory	host_mem
Average loads over the previous minute	host_load1_avg
Average loads over the previous 5 minutes	host_load5_avg
Average loads over the previous 15 minutes	host_load15_avg

iops	host_iops
Outbound traffic	host_traffic_out
Inbound traffic	host_traffic_in
iops	host_iops
Offset between the time of the host and the time of the NTP server. Unit: ms.	host_ntp_offset
NTP server synchronization status. 0 indicates normal.	host_ntp_sync

STORAGE_CLUSTER

Description	Metric
CPU	cluster_cpu
Memory size	cluster_mem
Average loads over the previous minute	cluster_load1_avg
Average loads over the previous 5 minutes	cluster_load5_avg
Average loads over the previous 15 minutes	cluster_load15_avg
Disk IOPS	cluster_disk_iops

OSS_CLUSTER

OSS cluster QPS

Description	Metric
QPSI(PUT/POST/DELETE)	qps1
QPSII(GET/Head)	qps2

OSS cluster bandwidth

Description	Metric
Inbound traffic over the internal network	private_net_in_traffic
Outbound traffic over the internal network	private_net_out_traffic

OSS management bandwidth

Description	Metric
Inbound traffic over the Internet	public_net_in_traffic
Inbound traffic over the internal network	private_net_in_traffic
Inbound CDN traffic	cdn_in
Inbound VPC traffic	vpc_in
Inbound traffic of synchronization requests over the Internet	sync_in
Inbound traffic of synchronization requests over the internal network	sync_in_intranet_recv
Inbound QoS	qos_bw_in
Outbound traffic over the Internet	public_net_out_traffic
Outbound traffic over the internal network	private_net_out_traffic
Outbound CDN traffic	cdn_out
Outbound VPC traffic	vpc_out
Outbound traffic of synchronization requests over the Internet	sync_out

Outbound traffic of synchronization requests over the internal network	sync_in_intranet_send
Outbound QoS	qos_bw_out

QPS

Description	Metric
Total number of requests	total_request
QPS throttling	qos_qps
QPSI(PUT/POST/DELETE)	qps1
QPSII(GET/Head)	qps2
Synchronous writes	sync_in_qpsi_count
Synchronous reads	sync_in_qpsii_count
copy object	copy_object_count
upload part copy	upload_part_copy_count
get_object(0~100KB)	small2_get_object_count
get_object(100~200KB)	small1_get_object_count
get_object(200~1MB)	small_get_object_count
get_object(1MB~)	big_get_object_count
put_object(0~100KB)	small2_put_object_count
put_object(100~200KB)	small1_put_object_count
put_object(200~1MB)	small_put_object_count

put_object(1MB~)	big_put_object_count
upload_part(0~100KB)	small2_upload_part_count
upload_part(100~200KB)	small1_upload_part_count
upload_part(200~1MB)	small_upload_part_count
upload_part(1MB~)	big_upload_part_count
post_object(0~100KB)	small2_post_object_count
post_object(100~200KB)	small1_post_object_count
post_object(200~1MB)	small_post_object_count
post_object(1MB~)	big_post_object_count
append_object(0~100KB)	small2_append_object_count
append_object(100~200KB)	small1_append_object_count
append_object(200~1MB)	small_append_object_count
append_object(1MB~)	big_append_object_count
head object	head_object_count
get object info	get_object_info_count
img_process(0~100KB)	small2_img_process_count
img_process(100~200KB)	small1_img_process_count
img_process(200~1MB)	small_img_process_count
img_process(1MB~)	big_img_process_count

Storage capacity

Description	Metric
Archive storage capacity	ar_real_storage
Archive storage capacity increment	ar_real_storage_inc
Volume of written data	delta_add
Volume of deleted data	delta_del
Infrequent Access (IA) storage capacity	ia_real_storage
IA storage capacity increment	ia_real_storage_inc
Standard storage capacity	std_storage
Standard storage capacity increment	std_storage_inc
Total storage capacity	storage_quota
Storage capacity increment	storage_quota_inc

Latency

Description	Metric
avg_sl_put(0~100KB)	small2_put_object_sl
avg_sl_put(100~200KB)	small1_put_object_sl
avg_sl_put(200~1MB)	small_put_object_sl
avg_sl_put(1MB~)	big_put_object_sl
max_sl_put(0~100KB)	max_small2_put_object_sl
max_sl_put(100~200KB)	max_small1_put_object_sl

max_sl_put(200~1MB)	max_small_put_object_sl
max_sl_put(1MB~)	max_big_put_object_sl
avg_rl_put(0~100KB)	small2_put_object_rl
avg_rl_put(100~200KB)	small1_put_object_rl
avg_rl_put(200~1MB)	small_put_object_rl
avg_rl_put(1MB~)	big_put_object_rl
max_rl_put(0~100KB)	max_small2_put_object_rl
max_rl_put(100~200KB)	max_small1_put_object_rl
max_rl_put(200~1MB)	max_small_put_object_rl
max_rl_put(1MB~)	max_big_put_object_rl
avg_sl_get(0~100KB)	small2_get_object_sl
avg_sl_get(100~200KB)	small1_get_object_sl
avg_sl_get(200~1MB)	small_get_object_sl
avg_sl_get(1MB~)	big_get_object_sl
max_sl_get(0~100KB)	max_small2_get_object_sl
max_sl_get(100~200KB)	max_small1_get_object_sl
max_sl_get(200~1MB)	max_small_get_object_sl
max_sl_get(1MB~)	max_big_get_object_sl
avg_rl_get(0~100KB)	small2_get_object_rl

avg_rl_get(100~200KB)	small1_get_object_rl
avg_rl_get(200~1MB)	small_get_object_rl
avg_rl_get(1MB~)	big_get_object_rl
max_rl_get(0~100KB)	max_small2_get_object_rl
max_rl_get(100~200KB)	max_small1_get_object_rl
max_rl_get(200~1MB)	max_small_get_object_rl
max_rl_get(1MB~)	max_big_get_object_rl
avg_sl_upload_part(0~100KB)	small2_upload_part_sl
avg_sl_upload_part(100~200KB)	small1_upload_part_sl
avg_sl_upload_part(200~1MB)	small_upload_part_sl
avg_sl_upload_part(1MB~)	big_upload_part_sl
max_sl_upload_part(0~100KB)	max_small2_upload_part_sl
max_sl_upload_part(100~200KB)	max_small1_upload_part_sl
max_sl_upload_part(200~1MB)	max_small_upload_part_sl
max_sl_upload_part(1MB~)	max_big_upload_part_sl
avg_rl_upload_part(0~100KB)	small2_upload_part_rl
avg_rl_upload_part(100~200KB)	small1_upload_part_rl
avg_rl_upload_part(200~1MB)	small_upload_part_rl
avg_rl_upload_part(1MB~)	big_upload_part_rl

max_rl_upload_part(0~100KB)	max_small2_upload_part_rl
max_rl_upload_part(100~200KB)	max_small1_upload_part_rl
max_rl_upload_part(200~1MB)	max_small_upload_part_rl
max_rl_upload_part(1MB~)	max_big_upload_part_rl
avg_sl_post(0~100KB)	small2_post_object_sl
avg_sl_post(100~200KB)	small1_post_object_sl
avg_sl_post(200~1MB)	small_post_object_sl
avg_sl_post(1MB~)	big_post_object_sl
max_sl_post(0~100KB)	max_small2_post_object_sl
max_sl_post(100~200KB)	max_small1_post_object_sl
max_sl_post(200~1MB)	max_small_post_object_sl
max_sl_post(1MB~)	max_big_post_object_sl
avg_rl_post(0~100KB)	small2_post_object_rl
avg_rl_post(100~200KB)	small1_post_object_rl
avg_rl_post(200~1MB)	small_post_object_rl
avg_rl_post(1MB~)	big_post_object_rl
max_rl_post(0~100KB)	max_small2_post_object_rl
max_rl_post(100~200KB)	max_small1_post_object_rl
max_rl_post(200~1MB)	max_small_post_object_rl

max_rl_post(1MB~)	max_big_post_object_rl
avg_sl_append(0~100KB)	small2_append_object_sl
avg_sl_append(100~200KB)	small1_append_object_sl
avg_sl_append(200~1MB)	small_append_object_sl
avg_sl_append(1MB~)	big_append_object_sl
max_sl_append(0~100KB)	max_small2_append_object_sl
max_sl_append(100~200KB)	max_small1_append_object_sl
max_sl_append(200~1MB)	max_small_append_object_sl
max_sl_append(1MB~)	max_big_append_object_sl
avg_rl_append(0~100KB)	small2_append_object_rl
avg_rl_append(100~200KB)	small1_append_object_rl
avg_rl_append(200~1MB)	small_append_object_rl
avg_rl_append(1MB~)	big_append_object_rl
max_rl_append(0~100KB)	max_small2_append_object_rl
max_rl_append(100~200KB)	max_small1_append_object_rl
max_rl_append(200~1MB)	max_small_append_object_rl
max_rl_append(1MB~)	max_big_append_object_rl
avg_sl_copy	copy_object_sl
max_sl_copy	max_copy_object_sl

avg_rl_copy	copy_object_rl
max_rl_copy	max_copy_object_rl
avg_sl_upload_part_copy	upload_part_copy_sl
max_sl_upload_part_copy	max_upload_part_copy_sl
avg_rl_upload_part_copy	upload_part_copy_rl
max_rl_upload_part_copy	max_upload_part_copy_rl
avg_sl_head	head_object_sl
max_sl_head	max_head_object_sl
avg_rl_head	head_object_rl
max_rl_head	max_head_object_rl
avg_sl_get_object_info	get_object_info_sl
max_sl_get_object_info	max_get_object_info_sl
avg_rl_get_object_info	get_object_info_rl
max_rl_get_object_info	max_get_object_info_rl
avg_sl_img(0~100KB)	small2_img_process_server_latency
avg_sl_img(100~200KB)	small1_img_process_server_latency
avg_sl_img(200~1MB)	small_img_process_server_latency
avg_sl_img(1MB~)	big_img_process_server_latency
max_sl_img(0~100KB)	max_small2_img_process_server_latency

max_sl_img(100~200KB)	max_small1_img_process_server_latency
max_sl_img(200~1MB)	max_small_img_process_server_latency
max_sl_img(1MB~)	max_big_img_process_server_latency
avg_rl_img(0~100KB)	small2_img_process_request_latency
avg_rl_img(100~200KB)	small1_img_process_request_latency
avg_rl_img(200~1MB)	small_img_process_request_latency
avg_rl_img(1MB~)	big_img_process_request_latency
max_rl_img(0~100KB)	max_small2_img_process_request_latency
max_rl_img(100~200KB)	max_small1_img_process_request_latency
max_rl_img(200~1MB)	max_small_img_process_request_latency
max_rl_img(1MB~)	max_big_img_process_request_latency

SLA

Description	Metric
Standard storage SLA	sla

HTTP status codes

Description	Metric
error_5xx	error_5xx
error_503	error_503
error_403	error_403

error_404	error_404
error_499	error_499
error_4xx_other	error_4xx_other
success_2xx	success_2xx
success_3xx	success_3xx
sync_in5xx_count	sync_in5xx_count

BLOCK_CLUSTER

Capacity

Description	Metric
Used logical space	cluster_total_sale
Used physical space	cluster_total_pangu_usage
Total physical space	cluster_total

Disks and snapshots

Description	Metric
Number of disks	device_total
Number of snapshots	snapshot_total

Total IOPS of block storage clusters

Description	Metric
Read IOPS	read_sum_iops
Write IOPS	write_sum_iops

Total throughput of block storage clusters

Description	Metric
Read throughput	read_sum_bps
Write throughput	write_sum_bps

Cluster monitoring

Description	Metric
cpu	cluster_cpu
Memory size	cluster_mem
Average loads over the previous minute	cluster_load1_avg
Average loads over the previous 5 minutes	cluster_load5_avg
Average loads over the previous 15 minutes	cluster_load15_avg
Disk IOPS	cluster_disk_iops

Average latency

Description	Metric
Read latency	read_latency
Write latency	write_latency

Average latency of Netcat commands

Description	Metric
Read latency of Netcat commands	nc_read_latency
Write latency of Netcat commands	nc_write_latency

Read/write IOPS of Netcat commands

Description	Metric
Read IOPS of Netcat commands	nc_read_iops
Write IOPS of Netcat commands	nc_write_iops

Throughput of Netcat commands

Description	Metric
Read throughput of Netcat commands	nc_read_bps
Write throughput of Netcat commands	nc_write_bps

Average disk latency

Description	Metric
Disk read latency	device_read_latency
Disk write latency	device_write_latency

Disk read/write IOPS

Description	Metric
Disk read IOPS	device_read_iops
Disk write IOPS	device_write_iops

Disk throughput

Description	Metric
Disk read throughput	device_read_bps
Disk write throughput	device_write_bps

OSS_BUCKET

Description	Metric
SLA of an OSS bucket of the Standard class	bucket_sla
Inbound traffic over the Internet	bucket_public_net_in_traffic
Outbound traffic over the Internet	bucket_public_net_out_traffic
Inbound traffic over the internal network	bucket_private_net_in_traffic
Outbound traffic over the internal network	bucket_private_net_out_traffic
Inbound CDN traffic	bucket_cdn_in
Outbound CDN traffic	bucket_cdn_out
Inbound VPC traffic	bucket_vpc_in
Outbound VPC traffic	bucket_vpc_out
Inbound traffic of synchronization requests over the Internet	bucket_sync_in
Outbound traffic of synchronization requests over the Internet	bucket_sync_out
Inbound traffic of synchronization requests over the internal network	bucket_sync_in_intranet_recv
Outbound traffic of synchronization requests over the internal network	bucket_sync_in_intranet_send
Inbound QoS	bucket_qos_bw_in
Outbound QoS	bucket_qos_bw_out
Total number of requests	bucket_total_request

QPS throttling	bucket_qos_qps
QPS of paid PUT, POST, and DELETE requests	bucket_qps1
QPS of paid GET and HEAD requests	bucket_qps2
Synchronous writes	bucket_sync_in_qpsi_count
Synchronous reads	bucket_sync_in_qpsii_count
copy object	bucket_copy_object_count
upload copy part	bucket_upload_part_copy_count
get object (0 ~ 100KB)	bucket_small2_get_object_count
get object (100 ~ 200KB)	bucket_small1_get_object_count
get object (200KB ~ 1MB)	bucket_small_get_object_count
get object (>= 1MB)	bucket_big_get_object_count
put object (0 ~ 100KB)	bucket_small2_put_object_count
put object (100KB ~ 200KB)	bucket_small1_put_object_count
put object (200KB ~ 1MB)	bucket_small_put_object_count
put object (>= 1MB)	bucket_big_put_object_count
upload part (0 ~ 100KB)	bucket_small2_upload_part_count
upload part (100KB ~ 200KB)	bucket_small1_upload_part_count
upload part (200KB ~ 1MB)	bucket_small_upload_part_count
upload part (>= 1MB)	bucket_big_upload_part_count

post object (0 ~ 100KB)	bucket_small2_post_object_count
post object (100KB ~ 200KB)	bucket_small1_post_object_count
post object (200KB ~ 1MB)	bucket_small_post_object_count
post object (>=1MB)	bucket_big_post_object_count
append object (0 ~ 100KB)	bucket_small2_append_object_count
append object (100KB ~ 200KB)	bucket_small1_append_object_count
append object (200KB ~ 1MB)	bucket_small_append_object_count
append object (>= 1MB)	bucket_big_append_object_count
head object	bucket_head_object_count
get object info	bucket_get_object_info_count
image process (0 ~ 100KB)	bucket_small2_img_process_count
image process (100KB ~ 200KB)	bucket_small1_img_process_count
image process (200KB ~ 1MB)	bucket_small_img_process_count
image process (>= 1MB)	bucket_big_img_process_count
average put object server latency (0 ~ 100KB)	bucket_small2_put_object_sl
average put object server latency (100KB ~ 200KB)	bucket_small1_put_object_sl
average put object server latency (200KB ~ 1MB)	bucket_small_put_object_sl
average put object server latency (>= 1MB)	bucket_big_put_object_sl
max put object server latency (0 ~ 100KB)	bucket_max_small2_put_object_sl

max put object server latency (100KB ~ 200KB)	bucket_max_small1_put_object_sl
max put object server latency (200KB ~ 1MB)	bucket_max_small_put_object_sl
max put object server latency (>= 1MB)	bucket_max_big_put_object_sl
average put object request latency (0 ~ 100KB)	bucket_small2_put_object_rl
average put object request latency (100KB ~ 200KB)	bucket_small1_put_object_rl
average put object request latency (200KB ~ 1MB)	bucket_small_put_object_rl
average put object request latency (>= 1MB)	bucket_big_put_object_rl
max put object request latency (0 ~ 100KB)	bucket_max_small2_put_object_rl
max put object request latency (100KB ~ 200KB)	bucket_max_small1_put_object_rl
max put object request latency (200KB ~ 1MB)	bucket_max_small_put_object_rl
max put object request latency (>= 1MB)	bucket_max_big_put_object_rl
average get object server latency (0 ~ 100KB)	bucket_small2_get_object_sl
average get object server latency (100KB ~ 200KB)	bucket_small1_get_object_sl
average get object server latency (200KB ~ 1MB)	bucket_small_get_object_sl
average get object server latency (>= 1MB)	bucket_big_get_object_sl
max get object server latency (0 ~ 100KB)	bucket_max_small2_get_object_sl
max get object server latency (100KB ~ 200KB)	bucket_max_small1_get_object_sl
max get object server latency (200KB ~ 1MB)	bucket_max_small_get_object_sl

max get object server latency (>= 1MB)	bucket_max_big_get_object_sl
average get object request latency (0 ~ 100KB)	bucket_small2_get_object_rl
average get object request latency (100KB ~ 200KB)	bucket_small1_get_object_rl
average get object request latency (200KB ~ 1MB)	bucket_small_get_object_rl
average get object request latency (>= 1MB)	bucket_big_get_object_rl
max get object request latency (0 ~ 100KB)	bucket_max_small2_get_object_rl
max get object request latency (100KB ~ 200KB)	bucket_max_small1_get_object_rl
max get object request latency (200KB ~ 1MB)	bucket_max_small_get_object_rl
max get object request latency (>= 1MB)	bucket_max_big_get_object_rl
average upload part server latency (0 ~ 100KB)	bucket_small2_upload_part_sl
average upload part server latency (100KB ~ 200KB)	bucket_small1_upload_part_sl
average upload part server latency (200KB ~ 1MB)	bucket_small_upload_part_sl
average upload part server latency (>= 1MB)	bucket_big_upload_part_sl
max upload part server latency (0 ~ 100KB)	bucket_max_small2_upload_part_sl
max upload part server latency (100KB ~ 200KB)	bucket_max_small1_upload_part_sl
max upload part server latency (200KB ~ 1MB)	bucket_max_small_upload_part_sl
max upload part server latency (>= 1MB)	bucket_max_big_upload_part_sl
average upload part request latency (0 ~ 100KB)	bucket_small2_upload_part_rl

average upload part request latency (100KB ~ 200KB)	bucket_small1_upload_part_rl
average upload part request latency (200KB ~ 1MB)	bucket_small_upload_part_rl
average upload part request latency (>= 1MB)	bucket_big_upload_part_rl
max upload part request latency (0 ~ 100KB)	bucket_max_small2_upload_part_rl
max upload part request latency (100KB ~ 200KB)	bucket_max_small1_upload_part_rl
max upload part request latency (200KB ~ 1MB)	bucket_max_small_upload_part_rl
max upload part request latency (>= 1MB)	bucket_max_big_upload_part_rl
average post object server latency (0 ~ 100KB)	bucket_small2_post_object_sl
average post object server latency (100KB ~ 200KB)	bucket_small1_post_object_sl
average post object server latency (200KB ~ 1MB)	bucket_small_post_object_sl
average post object server latency (>= 1MB)	bucket_big_post_object_sl
max post object server latency (0 ~ 100KB)	bucket_max_small2_post_object_sl
max post object server latency (100KB ~ 200KB)	bucket_max_small1_post_object_sl
max post object server latency (200KB ~ 1MB)	bucket_max_small_post_object_sl
max post object server latency (>= 1MB)	bucket_max_big_post_object_sl
average post object request latency (0 ~ 100KB)	bucket_small2_post_object_rl
average post object request latency (100KB ~ 200KB)	bucket_small1_post_object_rl

average post object request latency (200KB ~ 1MB)	bucket_small_post_object_rl
average post object request latency (>= 1MB)	bucket_big_post_object_rl
max post object request latency (0 ~ 100KB)	bucket_max_small2_post_object_rl
max post object request latency (100KB ~ 200KB)	bucket_max_small1_post_object_rl
max post object request latency (200KB ~ 1MB)	bucket_max_small_post_object_rl
max post object request latency (>= 1MB)	bucket_max_big_post_object_rl
average append object server latency (0 ~ 100KB)	bucket_small2_append_object_sl
average append object server latency (100KB ~ 200KB)	bucket_small1_append_object_sl
average append object server latency (200KB ~ 1MB)	bucket_small_append_object_sl
average append object server latency (>= 1MB)	bucket_big_append_object_sl
max append object server latency (0 ~ 100KB)	bucket_max_small2_append_object_sl
max append object server latency (100KB ~ 200KB)	bucket_max_small1_append_object_sl
max append object server latency (200KB ~ 1MB)	bucket_max_small_append_object_sl
max append object server latency (>= 1MB)	bucket_max_big_append_object_sl
average append object request latency (0 ~ 100KB)	bucket_small2_append_object_rl
average append object request latency (100KB ~ 200KB)	bucket_small1_append_object_rl

average append object request latency (200KB ~ 1MB)	bucket_small_append_object_rl
average append object request latency (>= 1MB)	bucket_big_append_object_rl
max append object request latency (0 ~ 100KB)	bucket_max_small2_append_object_rl
max append object request latency (100KB ~ 200KB)	bucket_max_small1_append_object_rl
max append object request latency (200KB ~ 1MB)	bucket_max_small_append_object_rl
max append object request latency (>= 1MB)	bucket_max_big_append_object_rl
average copy object server latency	bucket_copy_object_sl
max copy object server latency	bucket_max_copy_object_sl
average copy object request latency	bucket_copy_object_rl
max copy object request latency	bucket_max_copy_object_rl
average upload part copy server latency	bucket_upload_part_copy_sl
max upload part copy server latency	bucket_max_upload_part_copy_sl
average upload part copy request latency	bucket_upload_part_copy_rl
max upload part copy request latency	bucket_max_upload_part_copy_rl
average head object server latency	bucket_head_object_sl
max head object server latency	bucket_max_head_object_sl
average head object request latency	bucket_head_object_rl
max head object request latency	bucket_max_head_object_rl

average get object info server latency	bucket_get_object_info_sl
max get object info server latency	bucket_max_get_object_info_sl
average get object info request latency	bucket_get_object_info_rl
max get object info request latency	bucket_max_get_object_info_rl
average image process server latency (0 ~ 100KB)	bucket_small2_img_process_server_latency
average image process server latency (100KB ~ 200KB)	bucket_small1_img_process_server_latency
average image process server latency (200KB ~ 1MB)	bucket_small_img_process_server_latency
average image process server latency (>= 1MB)	bucket_big_img_process_server_latency
max image process server latency (0 ~ 100KB)	bucket_max_small2_img_process_server_latency
max image process server latency (100KB ~ 200KB)	bucket_max_small1_img_process_server_latency
max image process server latency (200KB ~ 1MB)	bucket_max_small_img_process_server_latency
max image process server latency (>= 1MB)	bucket_max_big_img_process_server_latency
average image process request latency (0 ~ 100KB)	bucket_small2_img_process_request_latency
average image process request latency (100KB ~ 200KB)	bucket_small1_img_process_request_latency
average image process request latency (200KB ~ 1MB)	bucket_small_img_process_request_latency
average image process request latency (>= 1MB)	bucket_big_img_process_request_latency

max image process request latency (0 ~ 100KB)	bucket_max_small2_img_process_request_latency
max image process request latency (100KB ~ 200KB)	bucket_max_small1_img_process_request_latency
max image process request latency (200KB ~ 1MB)	bucket_max_small_img_process_request_latency
max image process request latency (>= 1MB)	bucket_max_big_img_process_request_latency
5xx	bucket_error_5xx
503	bucket_error_503
403	bucket_error_403
404	bucket_error_404
499	bucket_error_499
other 4xx	bucket_error_4xx_other
success 2xx	bucket_success_2xx
success 3xx	bucket_success_3xx
sync 5xx	bucket_sync_in5xx_count
Storage usage	bucket_storage_quota
Storage capacity increment	bucket_storage_quota_inc
Standard storage capacity	bucket_std_storage
Standard storage capacity increment	bucket_std_storage_inc
IA storage capacity	bucket_ia_real_storage

IA storage capacity increment	bucket_ia_real_storage_inc
Archive storage capacity	bucket_ar_real_storage
Archive storage capacity increment	bucket_ar_real_storage_inc
Volume of written data	bucket_delta_add
Volume of deleted data	bucket_delta_del

7.3.2.5. DescribeStorageClusters

Queries a list of storage clusters.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Response parameters

Parameter	Type	Example	Description
storageClusters	Array		The storage clusters.
-storageServices	Array		The service information of the storage cluster.
--tags	Array		The information about the tag.
---id	Long	29	The tag ID.
---tagName	String	io16	The tag name.
---tagJsonInfo	String	{\"closeable\":false,\"color\":\"purple\",\"tagKey\":\"ioType\"}	The tag configurations. • closeable: indicates whether a tag was used. • color: the color of the tag. • tagKey: the tag key, which is globally unique.
---gmtCreate	Long	1691395655	The time when the tag was created.

Parameter	Type	Example	Description
---gmtModify	Long	1691395655	The time when the tag was last modified.
--service	String		The name of the service.
--isPluginService	Boolean	false	Indicates whether the storage cluster can be scaled.
--isManaged	Boolean	true	Indicates whether the storage cluster is a primary cluster.
-storageClusterId	String	sc-0000266w2des2fkqw7r5	The storage cluster ID.
-name	String	CdsEbsHybridCluster-A-20220927-0f22	The storage cluster name.
-totalMetaServerNumber	Integer	3	The total number of meta servers.
-abnormalMetaServerNumber	Integer	0	The number of abnormal meta servers.
-totalChunkServerNumber	Integer	6	The total number of chunk servers.
-abnormalChunkServerNumber	Integer	0	The number of abnormal chunk servers.
-totalDiskNumber	Integer	84	The total number of disks.
-abnormalDiskNumber	Integer	0	The number of abnormal disks.
-totalSize	Long	571492643373056	The total capacity. Unit: bytes.
-totalFreeSize	Long	564899868573696	The used capacity. Unit: bytes.
-totalChunkNumber	Long	10	The total number of snapshots.

Parameter	Type	Example	Description
-totalHostNumber	Integer	6	The total number of hosts.
-abnormalHostNumber	Integer	0	The number of abnormal hosts.
-refreshErrors	String	[{\\\"entityType\\\":\\\"STORAGE_CLUSTER\\\",\\\"failureMOCount\\\":1,\\\"sampleEntityId\\\":\\\"sc-0000iyzeojfcberqw4g9\\\",\\\"sampleErrorMessage\\\":\\\"java.lang.IllegalStateException: Duplicate key HostEntity(hostName=c25a04106.cloud.a05.amtest38, clusterName=CdsCpfsCluster-A-20230704-0599, ipAddress=10.38.4.22, cpu=64, memory=274877906944, state=GOOD, machineType=PL72P1M2.0JRA, os=AnolisOS-8.4-4.19-x86_64, sn=210235A2UBH225000340, azone=cn-wulan-env38-amtest38001-a, idc=amtest38, room=C2-5, rack=A05, rackUnitId=6, status=NORMAL)\\\"}]\	The error message.
-media	String	hybrid	The type of the block storage. Valid values: hybrid and ssd. hybrid indicates hybrid flash storage, and ssd indicates all-flash storage.
-products	String	CDS:3.16	The service category. The value is in the following format: "CDS:version information". Examples: CDS:3.16~ and CDS:~3.15.

Parameter	Type	Example	Description
-updatedTime	Long	1693190066	The time when the cluster information was last updated.
-overdue	Boolean	false	Indicates whether the storage cluster is expired. Valid values: true and false.
-zoneInfo	String	{\"isMasterZone\":\"true\",\"myClusterName\":\"CdsEbsHybridCluster-A-20220927-0f22\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env174-amtest174001-a\"}	The information about the storage set.
success	Boolean	true	Indicates whether the request is successful. Valid values: true and false.
requestId	String	eaf53a13-141f-49c1-86db-5c741de5dd01	The request ID, which is required to search for logs.
code	String	200	The returned HTTP status code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	successful	The returned message.

Examples

`JSON` format


```
{
    "code": "200",
    "message": "successful",
    "requestId": "75dcfee2-57f2-4f9a-8d2a-57480f244823",
    "storageClusters": [
        {
            "abnormalChunkServerNumber": 0,
            "abnormalDiskNumber": 0,
            "abnormalHostNumber": 0,
            "abnormalMetaServerNumber": 0,
            "alias": "CdsCpfsCluster-A-20230704-0598",
            "hasPanshi": false,
            "media": "hybrid",
            "name": "CdsCpfsCluster-A-20230704-0598",
            "overdue": false,
            "panguBased": false,
            "products": "CDS:3.16~",
```

```
            "products": "CDS:3.16~",
            "refreshErrors": "[]",
            "storageClusterId": "sc-0009itmtcei3le3zs43z",
            "storageServices": [
                {
                    "isManaged": true,
                    "isPluginService": true,
                    "service": "cpfs"
                }
            ],
            "totalChunkNumber": 0,
            "totalChunkServerNumber": 0,
            "totalDiskNumber": 90,
            "totalFreeSize": 2225751910776832,
            "totalHostNumber": 6,
            "totalMetaServerNumber": 0,
            "totalSize": 2364290375876608,
            "totalUsedSize": 138538465099776,
            "updatedTime": 1695188782,
            "zoneInfo": "
{\"isMasterZone\":\"true\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env38-amtest380
01-a\"}"
        },
        {
            "abnormalChunkServerNumber": 0,
            "abnormalDiskNumber": 0,
            "abnormalHostNumber": 0,
            "abnormalMetaServerNumber": 0,
            "alias": "CdsCpfsCluster-A-20230704-0599",
            "hasPanshi": false,
            "media": "ssd",
            "name": "CdsCpfsCluster-A-20230704-0599",
            "overdue": false,
            "panguBased": false,
            "products": "CDS:3.16~",
            "refreshErrors": "[]",
            "storageClusterId": "sc-0009itmtcei3le45xoie",
            "storageServices": [
                {
                    "isManaged": true,
                    "isPluginService": true,
                    "service": "cpfs"
                }
            ],
            "totalChunkNumber": 0,
            "totalChunkServerNumber": 0,
            "totalDiskNumber": 273,
            "totalFreeSize": 342356138131456,
            "totalHostNumber": 11,
            "totalMetaServerNumber": 0,
            "totalSize": 353351254409216,
            "totalUsedSize": 10995116277760,
            "updatedTime": 1695188861,
            "zoneInfo": "
{\"isMasterZone\":\"true\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env38-amtest380
```

```
01-a\"}"
        },
        {
            "abnormalChunkServerNumber": 0,
            "abnormalDiskNumber": 0,
            "abnormalHostNumber": 0,
            "abnormalMetaServerNumber": 0,
            "alias": "CdsCpfsCluster-A-20230816-088a",
            "hasPanshi": false,
            "name": "CdsCpfsCluster-A-20230816-088a",
            "overdue": false,
            "panguBased": false,
            "products": "CDS:3.16~",
            "refreshErrors": "[]",
            "storageClusterId": "sc-0009itmtcei3le42sqol",
            "storageServices": [
                {
                    "isManaged": true,
                    "isPluginService": true,
                    "service": "cpfs"
                }
            ],
            "totalChunkNumber": 0,
            "totalChunkServerNumber": 0,
            "totalDiskNumber": 64,
            "totalFreeSize": 0,
            "totalHostNumber": 6,
            "totalMetaServerNumber": 0,
            "totalSize": 0,
            "totalUsedSize": 0,
            "updatedTime": 1695188800,
            "zoneInfo": "
{\"isMasterZone\":\"true\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env38-amtest380
01-a\"}"
        },
        {
            "abnormalChunkServerNumber": 0,
            "abnormalDiskNumber": 0,
            "abnormalHostNumber": 0,
            "abnormalMetaServerNumber": 0,
            "alias": "CdsEbsOssHybridCluster-A-20221210-0068",
            "hasPanshi": true,
            "media": "hybrid",
            "name": "CdsEbsOssHybridCluster-A-20221210-0068",
            "overdue": false,
            "panguBased": true,
            "products": "CDS:3.16",
            "refreshErrors": "[]",
            "storageClusterId": "sc-0009itmtcei3le46tifx",
            "storageServices": [
                {
                    "isManaged": true,
                    "isPluginService": false,
                    "service": "ebs",
```

```
                    "tags": [
                        {
                            "gmtCreate": 1693816339,
                            "gmtModify": 1693816339,
                            "id": 5,
                            "tagJsonInfo": "
{\"closeable\":false,\"color\":\"purple\",\"tagKey\":\"ioType\"}",
                            "tagName": "io16"
                        }
                    ]
                },
                {
                    "isManaged": true,
                    "isPluginService": false,
                    "service": "oss",
                    "tags": []
                }
            ],
            "totalChunkNumber": 22116432,
            "totalChunkServerNumber": 6,
            "totalDiskNumber": 84,
            "totalFreeSize": 508645460672512,
            "totalHostNumber": 6,
            "totalMetaServerNumber": 3,
            "totalSize": 814263522295808,
            "totalUsedSize": 305618061623296,
            "updatedTime": 1695188801,
            "zoneInfo": "
{\"isMasterZone\":\"true\",\"myClusterName\":\"CdsEbsOssHybridCluster-A-20221210-0068\"
,\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env38-amtest38001-a\"}"
        }
    ],
    "success": true
}
```


`XML` format


```
<code>200</code>
<message>successful</message>
<requestId>75dcfee2-57f2-4f9a-8d2a-57480f244823</requestId>
<storageClusters>
 <abnormalChunkServerNumber>0</abnormalChunkServerNumber>
 <abnormalDiskNumber>0</abnormalDiskNumber>
 <abnormalHostNumber>0</abnormalHostNumber>
 <abnormalMetaServerNumber>0</abnormalMetaServerNumber>
 <alias>CdsCpfsCluster-A-20230704-0598</alias>
 <hasPanshi>false</hasPanshi>
 <media>hybrid</media>
 <name>CdsCpfsCluster-A-20230704-0598</name>
 <overdue>false</overdue>
 <panguBased>false</panguBased>
 <products>CDS:3.16~</products>
 <refreshErrors>[]</refreshErrors>
 <storageClusterId>sc-0009itmtcei3le3zs43z</storageClusterId>
```

```
 <storageServices>
  <isManaged>true</isManaged>
  <isPluginService>true</isPluginService>
  <service>cpfs</service>
 </storageServices>
 <totalChunkNumber>0</totalChunkNumber>
 <totalChunkServerNumber>0</totalChunkServerNumber>
 <totalDiskNumber>90</totalDiskNumber>
 <totalFreeSize>2225751910776832</totalFreeSize>
 <totalHostNumber>6</totalHostNumber>
 <totalMetaServerNumber>0</totalMetaServerNumber>
 <totalSize>2364290375876608</totalSize>
 <totalUsedSize>138538465099776</totalUsedSize>
 <updatedTime>1695188782</updatedTime>
 <zoneInfo>
{&quot;isMasterZone&quot;:&quot;true&quot;,&quot;oppositeCluster&quot;:&quot;&quot;,&quot
one&quot;:&quot;cn-wulan-env38-amtest38001-a&quot;}</zoneInfo>
</storageClusters>
<storageClusters>
 <abnormalChunkServerNumber>0</abnormalChunkServerNumber>
 <abnormalDiskNumber>0</abnormalDiskNumber>
 <abnormalHostNumber>0</abnormalHostNumber>
 <abnormalMetaServerNumber>0</abnormalMetaServerNumber>
 <alias>CdsCpfsCluster-A-20230704-0599</alias>
 <hasPanshi>false</hasPanshi>
 <media>ssd</media>
 <name>CdsCpfsCluster-A-20230704-0599</name>
 <overdue>false</overdue>
 <panguBased>false</panguBased>
 <products>CDS:3.16~</products>
 <refreshErrors>[]</refreshErrors>
 <storageClusterId>sc-0009itmtcei3le45xoie</storageClusterId>
 <storageServices>
  <isManaged>true</isManaged>
  <isPluginService>true</isPluginService>
  <service>cpfs</service>
 </storageServices>
 <totalChunkNumber>0</totalChunkNumber>
 <totalChunkServerNumber>0</totalChunkServerNumber>
 <totalDiskNumber>273</totalDiskNumber>
 <totalFreeSize>342356138131456</totalFreeSize>
 <totalHostNumber>11</totalHostNumber>
 <totalMetaServerNumber>0</totalMetaServerNumber>
 <totalSize>353351254409216</totalSize>
 <totalUsedSize>10995116277760</totalUsedSize>
 <updatedTime>1695188861</updatedTime>
 <zoneInfo>
{&quot;isMasterZone&quot;:&quot;true&quot;,&quot;oppositeCluster&quot;:&quot;&quot;,&quot
one&quot;:&quot;cn-wulan-env38-amtest38001-a&quot;}</zoneInfo>
</storageClusters>
<storageClusters>
 <abnormalChunkServerNumber>0</abnormalChunkServerNumber>
 <abnormalDiskNumber>0</abnormalDiskNumber>
 <abnormalHostNumber>0</abnormalHostNumber>
```

```
 <abnormalMetaServerNumber>0</abnormalMetaServerNumber>
 <alias>CdsCpfsCluster-A-20230816-088a</alias>
 <hasPanshi>false</hasPanshi>
 <name>CdsCpfsCluster-A-20230816-088a</name>
 <overdue>false</overdue>
 <panguBased>false</panguBased>
 <products>CDS:3.16~</products>
 <refreshErrors>[]</refreshErrors>
 <storageClusterId>sc-0009itmtcei3le42sqol</storageClusterId>
 <storageServices>
  <isManaged>true</isManaged>
  <isPluginService>true</isPluginService>
  <service>cpfs</service>
 </storageServices>
 <totalChunkNumber>0</totalChunkNumber>
 <totalChunkServerNumber>0</totalChunkServerNumber>
 <totalDiskNumber>64</totalDiskNumber>
 <totalFreeSize>0</totalFreeSize>
 <totalHostNumber>6</totalHostNumber>
 <totalMetaServerNumber>0</totalMetaServerNumber>
 <totalSize>0</totalSize>
 <totalUsedSize>0</totalUsedSize>
 <updatedTime>1695188800</updatedTime>
 <zoneInfo>
{&amp;quot;isMasterZone&amp;quot;:&amp;quot;true&amp;quot;,&amp;quot;oppositeCluster&amp;quot;:&amp;quot;&amp;quot;,&amp;quot
one&amp;quot;:&amp;quot;cn-wulan-env38-amtest38001-a&amp;quot;}</zoneInfo>
</storageClusters>
<storageClusters>
 <abnormalChunkServerNumber>0</abnormalChunkServerNumber>
 <abnormalDiskNumber>0</abnormalDiskNumber>
 <abnormalHostNumber>0</abnormalHostNumber>
 <abnormalMetaServerNumber>0</abnormalMetaServerNumber>
 <alias>CdsEbsOssHybridCluster-A-20221210-0068</alias>
 <hasPanshi>true</hasPanshi>
 <media>hybrid</media>
 <name>CdsEbsOssHybridCluster-A-20221210-0068</name>
 <overdue>false</overdue>
 <panguBased>true</panguBased>
 <products>CDS:3.16</products>
 <refreshErrors>[]</refreshErrors>
 <storageClusterId>sc-0009itmtcei3le46tifx</storageClusterId>
 <storageServices>
  <isManaged>true</isManaged>
  <isPluginService>false</isPluginService>
  <service>ebs</service>
  <tags>
   <gmtCreate>1693816339</gmtCreate>
   <gmtModify>1693816339</gmtModify>
   <id>5</id>
   <tagJsonInfo>
{&amp;quot;closeable&amp;quot;:false,&amp;quot;color&amp;quot;:&amp;quot;purple&amp;quot;,&amp;quot;tagKey&amp;quot;:&amp;quo
ioType&amp;quot;}</tagJsonInfo>
   <tagName>io16</tagName>
  </tags>
```

```
 </storageServices>
 <storageServices>
  <isManaged>true</isManaged>
  <isPluginService>false</isPluginService>
  <service>oss</service>
  <tags  />
 </storageServices>
 <totalChunkNumber>22116432</totalChunkNumber>
 <totalChunkServerNumber>6</totalChunkServerNumber>
 <totalDiskNumber>84</totalDiskNumber>
 <totalFreeSize>508645460672512</totalFreeSize>
 <totalHostNumber>6</totalHostNumber>
 <totalMetaServerNumber>3</totalMetaServerNumber>
 <totalSize>814263522295808</totalSize>
 <totalUsedSize>305618061623296</totalUsedSize>
 <updatedTime>1695188801</updatedTime>
 <zoneInfo>
{&quot;isMasterZone&quot;:&quot;true&quot;,&quot;myClusterName&quot;:&quot;CdsEbsOssHybri
luster-A-20221210-
0068&quot;,&quot;oppositeCluster&quot;:&quot;&quot;,&quot;zone&quot;:&quot;cn-wulan-env
38-amtest38001-a&quot;}</zoneInfo>
</storageClusters>
<success>true</success>
```


7.3.2.6. DescribeBlockClusters

Queries the information about a block storage cluster based on the cluster ID.

Request headers

Parameter	Type	Position	Required	Example	Description
OpsProduct	String	Header	No		

Request parameters

Parameter	Type	Position	Required	Example	Description
storageClusterId	String	Body	No	sc-000ekx55q5me4udn21jp	The block storage cluster ID.

Response parameters

Parameter	Type	Example	Description
blockClusters	Array		
-blockClusterId	String	bc-000021owan7tk5osxnf0	The block storage cluster ID.
-clusterName	String	ECS-IO7-A-00a4	The block storage cluster name.
-clusterAliasName	String	ECS-IO7-A-00a4	The block storage cluster alias.
-totalSale	Long	16580721246208	The used logical space. Unit: bytes.
-totalUsedSize	Long	14547054231552	The used physical space. Unit: bytes.
-totalBlockMasterNumber	Long	3	The number of normal block masters of the primary server.
-abnormalBlockMasterNumber	Long	0	The number of abnormal block masters of the primary server.
-totalBlockServerNumber	Long	4	The number of normal block masters of the storage server.
-abnormalBlockServerNumber	Long	0	The number of abnormal block masters of the storage server.
-totalBlockDeviceNumber	Long	150	The number of normal disks.
-abnormalBlockDeviceNumber	Long	0	The number of abnormal disks.
-totalSnapshotNumber	Long	25	The number of normal snapshots.

-abnormalSnapshotNumber	Long	0	The number of abnormal snapshots.
-storageType	String	io7	The I/O type.
-products	String	EBS-1.0:~	CDS:~: cds. OSS:~: oss. EBS-1.0:~: ecs. EBS-2.0:~3.14: ecs. EBS-2.0:3.15~: cds. PanguStack:~: tianji.
-zoneInfo	String	{\"isMasterZone\":\"true\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan-env212-amtest212001-a\"}	The service information of the cluster storage set.
success	Boolean	true	Indicates whether the request is successful. Valid values: true and false.
requestId	String	f893bad3-66f3-4b84-9411-85375d3429b0	The request ID.
code	String	200	The returned HTTP status code. The status code 200 indicates that the request was successful. Other status codes indicate that the request failed.
message	String	successful	The returned message. If the request was successful, a success message is returned. If the request failed, an error message is returned.

Examples

Sample requests

```
{
    "storageClusterId":"sc-0000266w2des2hk08oj6"
}
```

Sample success responses

`JSON` format

```
{
 "code": "200",
 "data": {
  "blockClusters": [{
   "blockClusterId": "bc-000021owan7tk5osxnf0",
   "abnormalSnapshotNumber": 0,
   "totalSnapshotNumber": 25,
   "totalUsedSize": 14547054231552,
   "abnormalBlockDeviceNumber": 0,
   "abnormalBlockServerNumber": 0,
   "products": "EBS-1.0:~",
   "totalBlockDeviceNumber": 150,
   "zoneInfo": "{\"isMasterZone\":\"true\",\"oppositeCluster\":\"\",\"zone\":\"cn-wulan
-env212-amtest212001-a\"}",
   "abnormalBlockMasterNumber": 0,
   "clusterName": "ECS-IO7-A-00a4",
   "totalBlockMasterNumber": 3,
   "storageType": "io7",
   "totalSale": 16580721246208,
   "totalBlockServerNumber": 4
  }],
  "eagleEyeTraceId": "0ad414c416932924601235587e0033",
  "asapiSuccess": true,
  "code": "200",
  "asapiRequestId": "f893bad3-66f3-4b84-9411-85375d3429b0",
  "success": true,
  "requestId": "f893bad3-66f3-4b84-9411-85375d3429b0",
  "message": "successful"
 },
 "cost": 27,
 "apiCost": 25,
 "eagleEyeTraceId": "0ad414c416932924601235587e0033",
 "successResponse": true
}
```


7.4. ApsaraDB Operations and Maintenance System

7.4.1. RDS O&M

7.4.1.1. DescribeHostInfoByDbType

Queries host information based on the specified database engine.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
Engine	String	Query	Yes	mysql	The database engine of the instance.
CpuLabel	String	Query	No	intel	The chip type.
IsolateHost	String	Query	No	0	The isolation level.
RequestId	String	Query	Yes	0ab4107a1t3wq6a6aaq73561d0a106144	The request ID.
Action	String	Query	No	DescribeHostInfoByDbType	The operation that you want to perform.

Response parameters

Parameter	Type	Example	Description
Code	String	200	The returned HTTP status code.
Message	String	successful	The returned message that indicates whether the request is successful.
Data	Struct		The response data.
Items	Array of Items		The returned data.
dbType	String	""	The database engine of the instance.
hostIp	String	10.10.1.1	The IP address of the host.
hostName	String	a36b04135.cloud.b05.amtest17	The name of the host.
subDomain	String	cn-XXX-XXX-XXX	The subdomain name.
siteName	String	amtest17	The name of data center.
cabinet	String	a36b041	The name of the cabinet.

Parameter	Type	Example	Description
dbVersion	String	5.6	The version of the database engine.
ecsHost	Boolean	false	Indicates whether the instance is an ECS instance.
label	String	intel|x86|mix	The chip of the host.
isolateHost	Integer	0	The isolation level. • 0: shared • 1: dedicated host • 2: dedicated • 3: idle
memSizeForSale	Integer	174785	The memory size available for sale.
memSizeUsedScale	Integer	174785	The memory size available for use.
memSizeSold	Integer	110592	The memory size that is sold.
memSizeUsed	Integer	64097	The used memory size.
diskSizeForSale	Integer	4875422	The disk size available for sale.
diskSizeUsedScale	Integer	3412795	The disk size available for use.
diskSizeSold	Integer	4817920	The disk size that is sold.
dataSpaceUsed	Integer	38427	The used disk size.
cpuCores	Integer	40	The number of CPU cores.
cpuCoresForSale	Integer	360000	The number of CPU cores available for sale.
cpuCoresSold	Integer	52	The number of CPU cores that are sold.
insCount	Integer	27	The number of existing instances.

Parameter	Type	Example	Description
status	Integer	1	The state of the host. Valid values: • 1: normal • 2: faulty • 3: ready for deactivation.
serviceStatus	Integer	1	The health state. • 1: normal • 2: abnormal
isAvail	Boolean	true	Indicates whether the host is available.
avail	Integer	1	Indicates whether the host is disabled for allocation.
comment	String	Available now.	The current state phrase of the host.
summary	String	""	The summary.
exceptionStack	Boolean	""	The error stack.
requestId	String	""	The request ID.
traceId	String	""	The trace ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ops.api.rds.DescribeHostInfoByDbType.2023-08-17
&Engine=mysql
&RequestId=0ab4107a1t3wq6a6aaq73561d0a106144
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "summary":"""",
 "traceId":"""",
 "exceptionStack":false,
 "Message":"successful",
 "requestId":"""",
 "Data":{
  "Items":{
   "memSizeUsed":64097,
   "hostName":"a36b04135.cloud.b05.amtest17",
   "subDomain":"cn-XXX-XXX-XXX",
   "siteName":"amtest17",
   "memSizeForSale":174785,
   "dataSpaceUsed":38427,
   "isAvail":true,
   "serviceStatus":1,
   "cpuCoresSold":52,
   "diskSizeForSale":4875422,
   "ecsHost":false,
   "avail":1,
   "hostIp":"10.10.1.1",
   "isolateHost":0,
   "dbVersion":"5.6",
   "dbType":"""",
   "label":"intel|x86|mix",
   "insCount":27,
   "diskSizeSold":4817920,
   "memSizeUsedScale":174785,
   "diskSizeUsedScale":3412795,
   "cpuCores":40,
   "cpuCoresForSale":360000,
   "memSizeSold":110592,
   "comment":"Available now.",
   "cabinet":"a36b041",
   "status":1
  }
 },
 "Code":"200"
}
```


7.4.1.2. DescribeCustInsSlaveInfo

Queries the connection information about the secondary database based on the specified instance name.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

. .

Parameter	Type	Position	Required	Example	Description
instanceName	String	Query	Yes	dds-3jl17fbba9336e74.20230816145326	The name of the instance.
RequestId	String	Query	Yes	0ab4107a1t3wq6a6aaq73561d0a106145	The request ID.
Action	String	Query	No	DescribeCustInsSlaveInfo	The operation that you want to perform.

Response parameters

Parameter	Type	Example	Description
Code	String	200	The returned HTTP status code.
Message	String	successful	The returned message that indicates whether the request is successful.
Data	Struct		The response data.
describeCustInsSlaveInfo	Array of describeCustInsSlaveInfo		The returned data.
hostId	String	21	The ID of the secondary database.
ip	String	10.10.1.1	The IP address of the secondary database.
port	String	3005	The port of the secondary database.
summary	String	""	The summary.
exceptionStack	Boolean	""	The error stack.
requestId	String	""	The request ID.
traceId	String	""	The trace ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ops.api.rds.DescribeCustInsSlaveInfo.2023-08-17
&instanceName=dds-3jl17fbba9336e74.20230816145326
&RequestId=0ab4107a1t3wq6a6aaq73561d0a106145
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "summary":"""",
 "traceId":"""",
 "exceptionStack":false,
 "Message":"successful",
 "requestId":"""",
 "Data":{
  "describeCustInsSlaveInfo":{
   "port":"3005",
   "ip":"10.10.1.1",
   "hostId":"21"
  }
 },
 "Code":"200"
}
```

7.4.1.3. DescribeResourceInventory

Obtains the resource information of the specified subdomain name.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
Engine	String	Query	No	mysql	The database engine of the instance.
RequestId	String	Query	Yes	0ab4107a1t3wq6a6aaq73561d0a106146	The request ID.
SubDomain	String	Query	Yes	cn-XXX-XXX-XXX	The subdomain name.

Parameter	Type	Position	Required	Example	Description
Action	String	Query	No	DescribeResourceInventory	The operation that you want to perform.

Response parameters

Parameter	Type	Example	Description
Code	String	200	The returned HTTP status code.
Message	String	successful	The returned message that indicates whether the request is successful.
Data	Struct		The response data.
SubDomain	String	cn-XXX-XXX-XXX	The subdomain name.
Items	Array of Items		The returned data.
Engine	String	Redis	The database engine of the instance.
HostType	String	0	The type of the host. • 0: SSD • 1: SATA • 3: HyBird
ResourceType	String	cpu	The type of the resource. Valid values: memory, disk, and cpu.
ResourceUnit	String	core	The unit of the resource type.
ResourceTotal	String	160	The total number of resources.
ResourceUsed	String	10	The number of used resources.
ResourceSold	String	870	The number of resources that are sold.
ResourceSoldCeiling	String	144	The maximum number of resources that can be sold.

Parameter	Type	Example	Description
summary	String	""	The summary.
exceptionStack	Boolean	""	The error stack.
requestId	String	""	The request ID.
traceId	String	""	The trace ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ops.api.rds.DescribeResourceInventory.2023-08-17
&RequestId=
&SubDomain=
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "summary":"""",
 "traceId":"""",
 "exceptionStack":false,
 "Message":"successful",
 "requestId":"""",
 "Data":{
  "SubDomain":"cn-XXX-XXX-XXX",
  "Items":{
   "ResourceUnit":"core",
   "HostType":"0",
   "ResourceTotal":"160",
   "ResourceSold":"870",
   "ResourceUsed":"10",
   "ResourceType":"cpu",
   "Engine":"Redis",
   "ResourceSoldCeiling":"144"
  }
 },
 "Code":"200"
}
```

7.4.1.4. DescribeComboInventory

Queries the inventory of a resource combination.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see the "Common headers" section of the Common parameters topic.

Request parameters

Parameter	Type	Position	Required	Example	Description
Engine	String	Query	No	mysql	The database engine of the instance.
RequestId	String	Query	Yes	0ab4107a1t3wq6a6aaq73561d0a106147	The request ID.
SubDomain	String	Query	Yes	cn-XXX-XXX-XXX	The subdomain name.
Action	String	Query	No	DescribeComboInventory	The operation that you want to perform.

Response parameters

Parameter	Type	Example	Description
Code	String	200	The returned HTTP status code.
Message	String	successful	The returned message that indicates whether the request is successful.
Data	Struct		The response data.
SubDomain	String	cn-XXX-XXX-XXX	The subdomain name.
Items	Array of Items		The returned data.
Engine	String	redis	The database engine of the instance.
EngineVersion	String	2.8	The version of the database engine.
HostType	String	0	The type of the host. • 0: SSD • 1: SATA • 3: HyBird

Parameter	Type	Example	Description
MemSize	Integer	1024	The memory size.
DiskSize	Integer	20480	The disk size.
CpuCores	Integer	3	The number of CPU cores.
ClassCode	String	redis.master.small.special1x	The code of the instance type.
IsolateLevel	String	0	The isolation level. • 0: shared • 1: dedicated • 2: dedicated host
AvailableCount	Integer	0	The number of instances that can be created.
summary	String	""	The summary.
exceptionStack	Boolean	""	The error stack.
requestId	String	""	The request ID.
traceId	String	""	The trace ID.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ops.api.rds.DescribeComboInventory.2023-08-17
&RequestId=0ab4107a1t3wq6a6aaq73561d0a106147
&SubDomain=cn-XXX-XXX-XXX
&<Common request parameters>
```

Sample success responses

`JSON` format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
 "summary":"""",
 "traceId":"""",
 "exceptionStack":false,
 "Message":"successful",
 "requestId":"""",
 "Data":{
  "SubDomain":"cn-XXX-XXX-XXX",
  "Items":{
   "IsolateLevel":"0",
   "HostType":"0",
   "EngineVersion":"2.8",
   "ClassCode":"redis.master.small.special1x",
   "MemSize":1024,
   "DiskSize":20480,
   "CpuCores":3,
   "AvailableCount":0,
   "Engine":"redis"
  }
 },
 "Code":"200"
}
```

7.5. Apsara Uni-manager Management Console

7.5.1. Platform data

7.5.1.1. GetCurrentUserStats

Queries the user statistics of Apsara Uni-manager Management Console.

Request headers

This operation does not have operation-specific request headers and uses only common request headers. For more information, see Common request parameters.

Request syntax

```
POST /openapi/popResource/ascm/auth/stat/user HTTP/1.1
```

Request parameters

Parameter	Type	Position	Required	Example	Description

currentPage	Integer	Body	No	1	The page number.
pageSize	Integer	Body	No	10	The number of entries per page.

Response parameters

Parameter	Type	Example	Description
code	Integer	200	The response code.
cost	Integer	17	The time spent on querying the user statistics. Unit: milliseconds.
data	Array of JSONArray		The returned data.
loginName	String	test_login_name	The account name used to log on to Apsara Uni-manager Management Console.
sessionInfoList	Array of JSONArray		The login information of the user.
loginTime	Long	1655045432302	The time when the user logged on.
username	String	test_user	The user name.
pageInfo	Struct		The pagination information.
currentPage	Integer	1	The page number.
pageSize	Integer	10	The number of entries per page.
total	Integer	27	The total number of entries returned.
totalPage	Integer	24	The total number of pages returned.
message	String	Parameter error	The error message.
success	Boolean	true	Indicates whether the request was successful. Valid values: • true: The request was successful. • false: The request failed.

Examples

Sample requests

```
POST /openapi/popResource/ascm/auth/stat/user HTTP/1.1
```

Sample success responses

`JSON` format


```
{
    "cost": "17",
    "code": "200",
    "data": [
        {
            "loginName": "test_login_name",
            "username": "test_user",
            "sessionInfoList": [
                {
                    "loginTime": "1655045432302"
                }
            ]
        }
    ],
    "success": "true",
    "pageInfo": {
        "total": "27",
        "totalPage": "24",
        "pageSize": "10",
        "currentPage": "1"
    },
    "message": "Parameter error"
}
```