

Enterprise Distributed Application Service (EDAS)

API Reference

API Reference

Overview

An API provides services over the HTTP interface at the underlying layer. When you call the API SDK, an HTTP request is sent to Alibaba Cloud application gateway POP, which then forwards the request to the backend service of EDAS for execution. To call a specific API, encapsulate parameters in the request. Each request corresponds to a method. The result of execution is included in a response.

Note:

- The POP gateway provides services based on the public network. To use EDAS APIs, ensure that the client can access public network services; otherwise, a message indicating service connection failure is displayed.
- Now, international EDAS does not support Kubernetes, so both Kubernetes clusters and applications are not available.

Access guidelines

This document describes the steps of accessing EDAS APIs, including instructions on how to obtain the SDK and descriptions of initialization parameters. It also provides an example of a specific API call.

Obtain the SDK

For Maven users

Add the following openAPI SDK dependency to the pom.xml file:

```
<dependency>
<groupId>com.aliyun</groupId>
<artifactId>aliyun-java-sdk-edas</artifactId>
<version>2.16.2-SNAPSHOT</version>
```

```
</dependency>
```

NOTE: If you cannot obtain the SDK after the dependency is added, add the following profile to the setting.xml file of the local repository (the file is in .m2 of the user directory). If you still cannot obtain the SDK after the profile is added, open a ticket to consult with us.

```
<profiles>
<profile>
<id>allow-snapshots</id>
<activation>&lt;activeByDefault>true&lt;/activeByDefault> </activation>
<repositories>
<repository>
<id>snapshots-repo</id>
<url>https://oss.sonatype.org/content/repositories/snapshots</url>
<releases> <enabled>>false</enabled> </releases>
<snapshots> <enabled>true</enabled> </snapshots>
</repository>
</repositories>
</profile>
</profiles>
<activeProfiles>
<activeProfile>allow-snapshots&lt;/activeProfile>
</activeProfiles>
```

For non-Maven users

Download the JAR package from the following version list and add the package to the project:

Version 2.16.0-SNAPSHOT: <http://edas.oss-cn-hangzhou.aliyuncs.com/edas-pop-api/2.16.0-SNAPSHOT/aliyun-java-sdk-edas-2.16.0-snapshot.jar>

Common request parameters

Parameter	Description
regionId	Unique ID of the region where the API gateway is located. For details, see the list of EDAS supported regions.
accessKeyId/accessKeySecret	Access Key ID and Access Key Secret that you obtain on Alibaba Cloud website, which are different for the primary account and subaccount.
productName	OpenAPI product name. Set this parameter to EDAS.
domain	Domain of the endpoint for OpenAPI access, in the format of edas.\${RegionId}.aliyuncs.com. For details about the list of regions with support for EDAS OpenAPIs, see the following section.

Use of a subaccount

Currently, APIs can be called by subaccounts. In this case, enter the Access Key ID and Access Key Secret of each subaccount. In addition, subaccounts must be authorized by the primary accounts to use the corresponding resources. For more information, see [Authorize permissions to subaccounts] in subaccount management documentation(44023).

Supported regions

Region	RegionId	Domain	Domain (VPC environment)	Remarks
China (Beijing)	cn-beijing	edas.cn-beijing.aliyuncs.com	edas-vpc.cn-beijing.aliyuncs.com	This endpoint is recommended for users in China (Beijing).
China (Qingdao)	cn-qingdao	edas.cn-qingdao.aliyuncs.com	Not supported	This endpoint is recommended for users in China (Qingdao).
China (Shenzhen)	cn-shenzhen	edas.cn-shenzhen.aliyuncs.com	edas-vpc.cn-shenzhen.aliyuncs.com	This endpoint is recommended for users in China (Shenzhen).
China (Hangzhou)	cn-hangzhou	edas.cn-hangzhou.aliyuncs.com	edas-vpc.cn-hangzhou.aliyuncs.com	This endpoint is recommended for users in China (Hangzhou).
China (Shanghai)	cn-shanghai	edas.cn-shanghai.aliyuncs.com	edas-vpc.cn-shanghai.aliyuncs.com	This endpoint is recommended for users in China (Shanghai).
Singapore	ap-southeast-1	edas.ap-southeast-1.aliyuncs.com	Not supported	This endpoint is recommended for users in Singapore.

Request example

To use OpenAPIs, launch the OpenAPI client, configure an endpoint, and set public parameters such as regionId and accessKeyId. Here is a sample API request.

```
public static void main(String[] args) throws ClientException{
/**
 *Endpoint used to access the OpenAPI. Set it based on the list of EDAS supported regions and the region where
 your instance is located.
 */
String regionId = "XXXXX";
/**
 *Access Key ID used for authentication. Obtain it in the Alibaba Cloud console.
 */
String accessKeyId = "XXXXXXXXXXXXXXXXXXXX";
/**
 *Access Key Secret used for authentication. Obtain it in the Alibaba Cloud console.
 */
String accessKeySecret = "XXXXXXXXXXXXXXXXXXXX";
/**
 * Name of the cloud product that you access using the OpenAPI. Set it to EDAS.
 */
String productName ="Edas";
/**
 *Domain of the endpoint. For details, see the domains in the list of EDAS supported regions.
 */
String domain ="edas.XXXXX.aliyuncs.com";
// Construct the OpenAPI client
DefaultProfile.addEndpoint(regionId,regionId,productName,domain);
DefaultProfile defaultProfile = DefaultProfile.getProfile(regionId, accessKeyId, accessKeySecret);
DefaultAcsClient defaultAcsClient = new DefaultAcsClient(defaultProfile);
defaultAcsClient.setAutoRetry(false);

// Construct the API request for listing application deployment groups. For details about the input parameters, see
API description.
String appId = "xxxxxxxx";
ListDeployGroupRequest request = new ListDeployGroupRequest();
// For details about the input parameters, see API description.
request.setAppId(appId);
ListDeployGroupResponse response = defaultAcsClient.getAcsResponse(request);
// Result parsing (If Code 200 is returned, the API call is successful; if any other code is returned, the API call fails.
For details, see the error code list.)
if (response.getStatusCode() == 200) {
// Parse the returned result (For details, see the return value description of the API.)
List<DeployGroup> deployGroups = response.getDeployGroupList();
if (CollectionUtils.isNotEmpty(deployGroups)) {
for (DeployGroup deployGroup : deployGroups) {
System.out.println(deployGroup.getGroupName());
System.out.println(deployGroup.getGroupId());
}
}
} else {
// Print the cause of the error
System.out.println(response.getMessage());
}
}
}
```

API list

Resource management

Region

API	Description	Version
DeleteUserDefineRegionRequest	Deletes a list of private regions	2.16.0-SNAPSHOT
InsertOrUpdateRegionRequest	Creates or edits a logical region	2.16.0-SNAPSHOT
ListAliyunRegionRequest	Returns a list of Alibaba Cloud regions.	2.16.0-SNAPSHOT
ListEcuByRegionRequest	Returns a list of ECS instances according to the specified region ID	2.16.0-SNAPSHOT
ListUserDefineRegionRequest	Returns a list of private regions	2.16.0-SNAPSHOT
MigrateEcuRequest	Migrates ECS instances to the specified region	2.16.0-SNAPSHOT
QueryMigrateRegionListRequest	Queries a list of regions that support migration	2.16.0-SNAPSHOT
QueryMigrateEcuListRequest	Queries a list of ECS instances that can be migrated	2.16.0-SNAPSHOT

ECU

API	Description	Version
DeleteEcuRequest	Deletes the specified ECU instance	2.16.0-SNAPSHOT
ListApplicationEcuRequest	Returns a list of ECU instances	2.16.0-SNAPSHOT
ListScaleOutEcuRequest	Returns a list of scalable ECS instances (Call this API before you create or scale up an application.)	2.16.0-SNAPSHOT

Cluster

API	Description	Version
DeleteClusterMemberRequest	Deletes a cluster instance	2.16.0-SNAPSHOT
DeleteClusterRequest	Deletes a cluster	2.16.0-SNAPSHOT
InsertClusterRequest	Creates a cluster	2.16.0-SNAPSHOT
ListClusterMembersRequest	Returns an ECS instance list according to the specified cluster ID	2.16.0-SNAPSHOT
ListClusterRequest	Returns a cluster list	2.16.0-SNAPSHOT

Resource group

API	Description	Version
ListResourceGroupRequest	Returns a list of resource groups	2.16.0-SNAPSHOT
ListSlbRequest	Returns a list of SLB instances	2.16.0-SNAPSHOT
ListVpcRequest	Returns a list of VPCs	2.16.0-SNAPSHOT

Application management

Application

API	Description	Version
BindSlbRequest	Binds an SLB instance	2.16.0-SNAPSHOT
DeleteDeployGroupRequest	Deletes a group	2.16.0-SNAPSHOT
InsertDeployGroupRequest	Creates a group	2.16.0-SNAPSHOT
ListApplicationRequest	Returns an application list	2.16.0-SNAPSHOT
ListBuildPackRequest	Returns a list of container versions	2.16.0-SNAPSHOT
ListDeployGroupRequest	Returns a list of deployment groups	2.16.0-SNAPSHOT
GetApplicationRequest	Returns application information	2.16.0-SNAPSHOT
GetContainerConfigurationRequest	Returns the Tomcat setting of an application or a group	2.16.0-SNAPSHOT
GetJvmConfigurationRequest	Returns the JVM setting of	2.16.0-SNAPSHOT

	an application or a group	
QueryApplicationStatusRequest	Queries an application	2.16.0-SNAPSHOT
UnbindSlbRequest	Unbinds an SLB instance	2.16.0-SNAPSHOT
UpdateApplicationBaseInfoRequest	Configures the basic application information	2.16.0-SNAPSHOT
UpdateContainerConfigurationRequest	Configures the Tomcat setting of an application or a group (including groups)	2.16.0-SNAPSHOT
UpdateHealthCheckUrlRequest	Configures a health check URL	2.16.0-SNAPSHOT
UpdateJvmConfigurationRequest	Configures the JVM setting of an application or a group	2.16.0-SNAPSHOT

Life cycle

API	Description	Version
DeleteApplicationRequest	Deletes an application instance	2.16.0-SNAPSHOT
DeployApplicationRequest	Deploys an application	2.16.0-SNAPSHOT
GetChangeOrderInfoRequest	Returns change details	2.16.0-SNAPSHOT
InsertApplicationRequest	Creates an application	2.16.0-SNAPSHOT
ListHistoryDeployVersionRequest	Returns a list of history application versions	2.16.0-SNAPSHOT
ListRecentChangeOrderRequest	Returns a list of history changes orders	2.16.0-SNAPSHOT
ResetApplicationRequest	Resets an application	2.16.0-SNAPSHOT
RollbackApplicationRequest	Rolls back an application	2.16.0-SNAPSHOT
ScaleInApplicationRequest	Deprecates an application instance	2.16.0-SNAPSHOT
ScaleOutApplicationRequest	Scales up an application instance	2.16.0-SNAPSHOT
StartApplicationRequest	Starts an application	2.16.0-SNAPSHOT
StopApplicationRequest	Stops an application	2.16.0-SNAPSHOT

Monitoring

API	Description	Version
QueryMonitorInfoRequest	Queries monitoring information	2.16.0-SNAPSHOT

Account management

API	Description	Version
AuthorizeApplicationRequest	Authorizes an application	2.16.0-SNAPSHOT
AuthorizeResourceGroupRequest	Authorizes a resource group	2.16.0-SNAPSHOT
AuthorizeRoleRequest	Authorizes a role	2.16.0-SNAPSHOT
DeleteRoleRequest	Deletes a role	2.16.0-SNAPSHOT
ListAuthorityRequest	Queries all permissions	2.16.0-SNAPSHOT
ListRoleRequest	Returns a role list	2.16.0-SNAPSHOT
ListSubAccountRequest	Returns a subaccount list	2.16.0-SNAPSHOT
InsertRoleRequest	Creates a role	2.16.0-SNAPSHOT
UpdateAccountInfoRequest	Edits account information	2.16.0-SNAPSHOT
UpdateRoleRequest	Edits a role	2.16.0-SNAPSHOT

Service Management

API	Description	Version
DeleteServiceGroupRequest	Deletes a service group	2.16.0-SNAPSHOT
InsertServiceGroupRequest	Creates a service group	2.16.0-SNAPSHOT
ListConsumedServicesRequest	Queries a list of consumed services	2.16.0-SNAPSHOT
ListPublishedServicesRequest	Queries a list of published services	2.16.0-SNAPSHOT
ListServiceGroupsRequest	Queries a list of service groups	2.16.0-SNAPSHOT

Throttling and downgrade

API	Description	Version
DeleteDegradeControlRequest	Deletes the downgrade configuration	2.16.0-SNAPSHOT
DeleteFlowControlRequest	Deletes the throttling configuration	2.16.0-SNAPSHOT
DisableDegradeControlRequest	Disables the downgrade function	2.16.0-SNAPSHOT
DisableFlowControlRequest	Disables a throttling rule	2.16.0-SNAPSHOT

EnableDegradeControlRequest	Enables the downgrade function	2.16.0-SNAPSHOT
EnableFlowControlRequest	Enables a throttling rule	2.16.0-SNAPSHOT
InsertDegradeControlRequest	Adds a downgrade configuration	2.16.0-SNAPSHOT
InsertFlowControlRequest	Adds a throttling configuration	2.16.0-SNAPSHOT
ListDegradeControlsRequest	Returns the downgrade configuration list	2.16.0-SNAPSHOT
ListFlowControlsRequest	Returns the throttling configuration list	2.16.0-SNAPSHOT
UpdateDegradeControlRequest	Updates the downgrade configuration	2.16.0-SNAPSHOT
UpdateFlowControlRequest	Modifies the throttling configuration	2.16.0-SNAPSHOT

Kubernetes applications of Container Service

API	Description	Version
BindK8sSlb	Binds an SLB instance for the Kubernetes application of Container Service	2.16.1-SNAPSHOT
DeleteK8sApplicationRequest	Deletes a Kubernetes application of Container Service	2.16.1-SNAPSHOT
DeployK8sApplicationRequest	Deploys a Kubernetes application of Container Service	2.16.2-SNAPSHOT
ImportK8sCluster	Imports a Kubernetes cluster of Container Service	2.16.1-SNAPSHOT
InsertK8sApplication	Creates a Kubernetes application of Container Service	2.16.2-SNAPSHOT
ScaleK8sApplicationRequest	Scales up or deprecates a Kubernetes application instance of Container Service	2.16.1-SNAPSHOT
UnbindK8sSlb	Unbinds an SLB instance for the Kubernetes application of Container Service	2.16.1-SNAPSHOT
UpdateK8sApplicationConfig	Sets a Kubernetes application of Container Service	2.16.1-SNAPSHOT
UpdateK8sSlb	Updates the SLB instance for	2.16.1-SNAPSHOT

	the Kubernetes application of Container Service	
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Manage resources

DeleteClusterMemberRequest

Function

Deletes a cluster instance.

Request URL

/pop/v5/resource/cluster_member

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
clusterId	String	Yes	Cluster ID
clusterMemberId	String	Yes	Cluster member ID

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
Data	Boolean	Indicates whether the	

		operation is successful	
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DeleteClusterRequest

Function

Delete Cluster

Request URL

/pop/v5/resource/cluster

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
clusterId	String	Yes	Cluster ID

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
Data	Boolean	Indicates whether the operation is successful	

DeleteEcuRequest

Function

Deletes the specified ECU instance.

Request URL

/pop/v5/resource/delete_ecu

Request method

POST

Request parameters

Parameter	Type	Required?	Description
ecuId	String	Yes	Unique ECU ID

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
Data	String	"OK" is returned if the operation is successful.	

DeleteUserDefineRegionRequest

Function

Deletes a list of private regions.

Request URL

/pop/v5/user_region_def

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
id	Long	Yes	ID of the logical region

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
RegionDefine	RegionDefine	For details, see the definition of RegionDefine.

RegionDefine

Parameter	Type	Description
Id	Long	Unique ID
UserId	String	KP of the user's primary account
RegionId	String	ID of the logical region. This parameter is important and the value cannot be changed once the region ID is created. The format is "physical region ID:logical region identifier.
RegionName	String	Name of the logical region
Description	String	Description of the logical region
BelongRegion	String	ID of the physical region to which the logical region belongs

InsertClusterRequest

Function

Creates a cluster.

Request URL

/pop/v5/resource/cluster

Request method

POST

Request parameters

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
clusterName	String	Yes	Cluster name
clusterType	Integer	Yes	Cluster type.Optional values: 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster).
networkMode	Integer	Yes	Network type.Optional values: 1 (classic network); 2 (VPC).
vpcId	String	No	VPC IDThis parameter is required if networkMode is set to VPC.
oversoldFactor	Integer	No	CPU overselling of the Docker cluster.Optional values: 2 (1:2); 4

			(1:4); 8(1:8).
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Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
Cluster	Cluster	Cluster entity that is created	

Cluster

	Parameter	Type	Description
ClusterId	String	Cluster ID	
RegionId	String	ID of the logical region	
ClusterName	String	Cluster name	
ClusterType	Integer	Cluster type.Optional values: 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster).	
OversoldFactor	Integer	CPU overselling of the Docker cluster.Optional values: 2 (1:2); 4 (1:4); 8 (1:8).	
NetworkMode	Integer	Network type.Optional values: 1 (classic network); 2 (VPC).	
VpcId	String	VPC ID	

InsertOrUpdateRegionRequest

Function

Creates or edits a logical region.

Request URL

/pop/v5/user_region_def

Request method

POST

Request parameters

Parameter	Type	Required?	Description
regionTag	String	Yes	ID of the logical region. The parameter value cannot be changed once the region ID is created. The format is "physical region ID:logical region identifier."
regionName	String	Yes	Name of the logical region
description	String	No	Description of the logical region
id	Long	No	If this parameter is not set or set to 0, the operation is creating a logical region. If this parameter is set to any other value, the operation is editing a logical region.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

UserDefineRegionEntity	UserDefineRegionEntity	For details, see UserDefineRegionEntity.
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UserDefineRegion

Parameter	Type	Description
Id	Long	Unique ID
UserId	String	KP of the user's primary account
RegionId	String	ID of the logical region. This parameter is important and the value cannot be changed once the region ID is created. The format is "physical region ID:logical region identifier.
RegionName	String	Name of the logical region
Description	String	Description of the logical region
BelongRegion	String	ID of the physical region to which the logical region belongs

ListAliyunRegionRequest

Function

Obtain a list of Alibaba Cloud regions.

Request URL

/pop/v5/resource/region_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
RegionEntityList	List<RegionEntity>	Region list

RegionEntity

Parameter	Type	Description
Id	String	Unique ID
Name	String	Region name

ListApplicationEcuRequest

Function

Returns a list of deployable ECU instances.

Description

This API is intended to be compatible with APIs of an earlier version and is not recommended for use. Use the ListScaleOutEcuRequest API to query ECU information when you create or scale up an application.

Request URL

/pop/v5/resource/ecu_list

Request method

POST

Request parameters

None.

Response parameters

	Parameter	Type	Description
	Code	Integer	Code
	Message	String	Message
	EcuInfoList	List<EcuEntity>	For details, see EcuEntity.

EcuEntity

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
Online	Boolean	Indicates whether the ECU instance is online
DockerEnv	Boolean	Indicates whether Docker is installed
CreateTime	long	Creation time
UpdateTime	long	Update time
HeartbeatTime	long	Heartbeat time
UserId	String	Associated user ID
IpAddr	String	Intranet IP address of the ECU instance
Name	String	Name
ZoneId	String	ID of the zone where the instance is located
RegionId	String	ID of the region where the instance is located
InstanceId	String	Instance ID
VpcId	String	VPC ID
AvailableCpu	Integer	Available CPU
AvailableMem	Integer	Available memory
Cpu	Integer	Total number of CPUs
Mem	Integer	Total memory

ListClusterMembersRequest

Function

Returns an instance list according to the specified cluster ID.

Request URL

/pop/v5/resource/cluster_member_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
clusterId	String	Yes	Cluster ID
currentPage	Integer	No	Current page number in a paging query
pageSize	Integer	No	Number of records per page in a paging query

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ClusterMemberPage	ClusterMemberPage	Object with paging information	

ClusterMemberPage

	Parameter	Type	De
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CurrentPage	Integer	Current page number	
PageSize	Integer	Number of instances per page	
TotalSize	Integer	Total number of pages	
ClusterMemberList	List<ClusterMember>	A list of instance objects	

ClusterMember

	Parameter	Type	Description
ClusterMemberId	String	Cluster instance ID	
ClusterId	String	Cluster ID	
	EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
EcsId	String	ECS ID	
Status	Integer	Instance status.Optional values: 1 (running); 0 (conversion in progress); -1 (conversion failed); -2 (offline).	
CreateTime	Integer	Creation time	
UpdateTime	Integer	Last change time	

ListClusterRequest

Function

Returns a cluster list.

Request URL

/pop/v5/resource/cluster_list

Request method

POST

Request parameters

Parameter	Type	Required?	Description
logicalRegionId	String	No	Logical region ID corresponding to the namespace. This parameter is optional and its value can be obtained by the ListUserDefineRegionRequest API. If it is not set, the query is implemented in the default namespace.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ClusterList	List<Cluster>	A list of cluster entities	

Cluster

	Parameter	Type	Description
ClusterId	String	Cluster ID	
RegionId	String	ID of the logical region	
Description	String	Cluster description	
ClusterName	String	Cluster name	
ClusterType	Integer	Cluster type.Optional	

		values: 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster).
OversoldFactor	Integer	CPU overselling of the Docker cluster.Optional values: 2 (1:2); 4 (1:4); 8 (1:8).
NetworkMode	Integer	Network type.Optional values: 1 (classic network); 2 (VPC).
VpcId	String	VPC ID
NodeNum	Integer	Number of ECS instances
Cpu	Integer	Total number of CPU cores
Mem	Integer	Total memory, in MB
CpuUsed	Integer	Number of used CPU cores
MemUsed	Integer	Used memory, in MB
CreateTime	Integer	Creation time
UpdateTime	Integer	Last change time

ListEcuByRegionRequest

Function

Returns an instance list according to the specified region ID.

Request URL

/pop/v5/resource/ecu_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
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logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
act	String	Yes	This parameter is invariably set to "pop-query".

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
EcuEntityList	List<EcuEntity>	For details, see EcuEntity.

EcuEntity

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
Online	Boolean	Indicates whether the ECU instance is online
DockerEnv	Boolean	Indicates whether Docker is installed
CreateTime	long	Creation time
UpdateTime	long	Update time
HeartbeatTime	long	Heartbeat time
UserId	String	Associated user ID
IpAddr	String	Intranet IP address of the ECU instance
Name	String	Name
ZoneId	String	ID of the zone where the instance is located
RegionId	String	ID of the region where the instance is located
InstanceId	String	Instance ID
VpcId	String	VPC ID

AvailableCpu	Integer	Available CPU
AvailableMem	Integer	Available memory
Cpu	Integer	Total number of CPUs
Mem	Integer	Total memory

ListResourceGroupRequest

Function

Returns a list of resource groups.

Request URL

/pop/v5/resource/reg_group_list

Request method

POST

Request parameters

None.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ResourceGroupList	List<ResGroupEntity>	For details, see the definition of resource group list in ResGroupEntity.	

ResGroupEntity

	Parameter	Type	Description
Id	Long	Unique ID	
Name	String	Name of a resource group	
Description	String	Description of the resource group	
RegionId	String	ID of the region where the resource group is located	
EcsList	List<EcsEntity>	For details, see the definition of EcsEntity.	
SlbList	List<SlbEntity>	For details, see the definition of SlbEntity.	

SlbEntity

	Parameter	Type	Description
SlbId	String	Unique ID of the SLB instance	
SlbName	Integer	Name of the SLB instance	
RegionId	Boolean	Region ID	
UserId	String	User ID	
Address	String	IP address	
SlbStatus	Integer	Status of the SLB instance	
AddressType	Boolean	Address type	
VswitchId	String	Switch ID	
VpcId	String	VPC ID	
NetworkType	Integer	Network type	
GroupId	String	Group ID	
Expired	Boolean	Expiration status	

EcsEntity

	Parameter	Type	Description
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InstanceId	String	Instance ID	
InstanceName	String	Instance name	
Description	String	Description	
Status	String	Instance status	
PublicIp	String	Internet IP address	
InnerIp	String	Intranet IP address	
PrivateIp	String	Private IP address	
Eip	String	Elastic IP address	
SerialNum	String	Serial number	
Cpu	Integer	Total number of CPU cores	
Mem	Integer	Total memory, in MB	
Expired	Boolean	Expiration status	
UserId	String	User account	
RegionId	String	Region ID	
ZoneId	String	Zone ID	
SgId	String	Security group ID	
VpcId	String	VPC ID	
GroupId	Long	ID of the EDAS resource group	
Ecu	EcuEntity	For details, see EcuEntity.	
Vpc	VpcEntity	For details, see VpcEntity.	

EcuEntity

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running <code>dmidecode</code> on the ECS instance
Online	Boolean	Indicates whether the ECU instance is online
DockerEnv	Boolean	Indicates whether Docker is installed
CreateTime	long	Creation time

UpdateTime	long	Update time
HeartbeatTime	long	Heartbeat time
UserId	String	Associated user ID
IpAddr	String	Intranet IP address of the ECU instance
Name	String	Name
ZoneId	String	ID of the zone where the instance is located
RegionId	String	ID of the region where the instance is located
InstanceId	String	Instance ID
VpcId	String	VPC ID
AvailableCpu	Integer	Available CPU
AvailableMem	Integer	Available memory
Cpu	Integer	Total number of CPUs
Mem	Integer	Total memory

VpcEntity

Parameter	Type	Description
VpcId	String	Unique ID of a VPC
VpcName	String	VPC name
RegionId	String	ID of the region where the VPC is located
UserId	String	User ID
Expired	Boolean	Expiration status
EcsNum	Integer	Number of associated ECS instances

ListScaleOutEcuRequest

Function

Returns a list of available instances when an application is created or scaled up.

Request URL

/pop/v5/resource/scale_out_ecu_list

Request method

GET

Request parameters – When a common application is created

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
clusterId	String	Yes	Cluster ID
instanceNum	Integer	No	Number of expected available ECS instances. By default, a full list of available ECS instances is returned.

Request parameters – When a Docker application is created

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
clusterId	String	Yes	Cluster ID
cpu	Integer	Yes	A list of ECS instances that meet the requirement of CPU core quantity.
mem	Integer	Yes	A list of ECS instances that meet the requirement of available memory (MB).
instanceNum	Integer	Yes	Number of expected available ECS instances. This parameter is required when a

			Docker application is created.
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Request parameters – When an application is scaled up

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
appId	String	Yes	Application ID
groupId	String	No	ID of the group where the ECS instance to be scaled up is located.If this parameter is not set, the default group is used.
instanceNum	Integer	Yes	Number of expected available ECS instances

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
EcuInfoList	List<EcuInfo>	A list of cluster entities

EcuInfo

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
Online	Boolean	Whether the ECS instance is online and under EDAS control
DockerEnv	Boolean	Indicates whether Docker is installed

CreateTime	Long	Creation time, in milliseconds
UpdateTime	Long	Last change time, in milliseconds
HeartbeatTime	Long	Heartbeat time, in milliseconds
IpAddr	String	Intranet IP address of the ECU instance
UserId	String	Name of the administrator account
Name	String	Name of the ECS instance
ZoneId	String	ID of the zone where the ECS instance is located
RegionId	String	ID of the region where the ECS instance is located
VpcId	String	ID of the VPC where the ECS instance is located
AvailableCpu	Long	Number of available CPU cores of the ECS instance
AvailableMem	Long	Available memory (MB) of the ECS instance

ListSlbRequest

Function

Returns a list of SLB instances

Request URL

/pop/v5/slb_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
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groupId	String	Yes	Group ID
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Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
SlbEntities	List<SlbEntity>;	For details about the list of SLB instances, see the definition of SlbEntity.	

SlbEntity

	Parameter	Type	Description
SlbId	String	Unique ID of the SLB instance	
SlbName	Integer	Name of the SLB instance	
RegionId	Boolean	Region ID	
UserId	String	User ID	
Address	String	IP address	
SlbStatus	Integer	Status of the SLB instance	
AddressType	Boolean	Address type	
VswitchId	String	VPC switch ID	
VpcId	String	VPC ID	
NetworkType	Integer	Network type	
GroupId	String	ID of the EDAS resource group	
Expired	Boolean	Expiration status	

ListUserDefineRegionRequest

Function

Returns a list of private regions.

Request URL

/pop/v5/user_region_defs

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
UserDefineRegionList	List<UserDefineRegionEntity>	A list of regions

UserDefineRegion

Parameter	Type	Description
Id	Long	Unique ID
UserId	String	KP of the user's primary account
RegionId	String	ID of the logical region. This parameter is important and the value cannot be changed once the region ID is created. The format is "physical region ID:logical region identifier.
RegionName	String	Name of the logical region

Description	String	Description of the logical region
BelongRegion	String	ID of the physical region to which the logical region belongs

ListVpcRequest

Function

Returns a VPC list.

Request URL

/pop/v5/vpc_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
VpcList	List<VpcEntity>	For details about the VPC list, see VpcEntity.

VpcEntity

Parameter	Type	Description
VpcId	String	Unique ID of a VPC
VpcName	String	VPC name
RegionId	String	ID of the region where the

		VPC is located
UserId	String	User ID
Expired	Boolean	Expiration status
EcsNum	Integer	Number of associated ECS instances

MigrateEcuRequest

Function

Migrate an ECS instance to the specified region.

Request URL

/pop/v5/resource/migrate_ecu

Request method

POST

Request parameters

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)
instanceIds	String	Yes	A set of instance IDs, which are separated by commas (,)

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
Data	String	'success'

QueryMigrateRegionListRequest

Function

Query a list of regions that support migration.

Request URL

/pop/v5/resource/migrate_region_select

Request method

GET

Request parameters

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
RegionEntityList	List<RegionEntity>	For details, see RegionEntity.

RegionEntity

Parameter	Type	Description
RegionNo	String	Region ID
RegionName	String	Region name

QueryMigrateEcuListRequest

Function

Queries a list of ECS instances that can be migrated.

Request URL

/pop/v5/resource/migrate_ecu_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
logicalRegionId	String	No	ID of the logical region (regionId is replaced by this parameter after it is set.)

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
EcuEntityList	List<EcuEntity>	For details, see EcuEntity.

EcuEntity

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
Online	Boolean	Indicates whether the ECU

		instance is online
DockerEnv	Boolean	Indicates whether Docker is installed
CreateTime	long	Creation time
UpdateTime	long	Update time
HeartbeatTime	long	Heartbeat time
UserId	String	Associated user ID
IpAddr	String	Intranet IP address of the ECU instance
Name	String	Name
ZoneId	String	ID of the zone where the instance is located
RegionId	String	ID of the region where the instance is located
InstanceId	String	Instance ID
VpcId	String	VPC ID
AvailableCpu	Integer	Available CPU
AvailableMem	Integer	Available memory
Cpu	Integer	Total number of CPUs
Mem	Integer	Total memory

TransformClusterMemberRequest

Function

Import or migrate a ECS instance.

Request URL

/pop/v5/resource/transform_cluster_member

Request method

POST

Request parameters

Parameter	Type	Required?	Description
targetClusterId	String	Yes	ID of the target cluster
instanceIds	String	Yes	A set of instance IDs, which are separated by commas (,) NOTES: 1. A instanceId may not be in any cluster, but can be in one cluster at most. 2. The physical region ID and network type of the ECS instance must be the same as those of the target cluster.
password	String	Yes	Logon password for an instance in the target cluster

Response parameters

Parameter (Internet)	Type	Description
Code	Integer	Code
Message	String	Message
Data	String	The message "Transform submit success!" is returned for successful submission.

Manage applications

BindSlbRequest

Function

Binds an SLB instance.

Request URL

/pop/app/bind_slb_json

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
slbId	String	Yes	ID of the SLB instance
slbIp	String	Yes	IP address of the SLB instance
type	String	Yes	Network type of the SLB instance. internet: Internet-based instance; intranet: Intranet-based instance
listenerPort	Int	No	Listening port of the SLB instance. If it is set to 0, the listening port is disabled; if it is set to a value in the range 1 to 65535, the listening port is enabled.
vServerGroupId	String	No	VServer group ID of the SLB instance

Response parameters

Parameter	Type	Description
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Code	Integer	Code
Message	String	Message
SlbName	String	Name of the intranet-based SLB instance
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
ExtSlbName	String	Name of the Internet-based SLB instance
ExtSlbId	String	ID of the Internet-based SLB instance
ExtSlbIp	String	IP address of the Internet-based SLB instance
SlbPort	Int	SLB listening port
vServerGroupId	String	VServer group ID of intranet-based SLB instance
extVServerGroupId	String	VServer group ID of Internet-based SLB instance

DeleteApplicationRequest

Function

Deletes an application instance.

Request URL

/pop/v5/changeorder/co_delete_app

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
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appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
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Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID, which is generated if an instance for the deleted application is not deprecated. Call the GetChangeOrderInfoRequest API to display the progress of the Delete operation. If all instances whose applications are deleted are deprecated, ChangeOrderID is not generated. You need to determine whether the applications have been deleted based on the code.	

DeployApplicationRequest

Function

Deploy the application

Request URL

/pop/v5/changeorder/co_deploy_app

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
packageVersion	String	Yes	The application version must be unique and contains no more than 64 characters. We recommend that you add a timestamp to the version.
desc	String	No	Deployment description
deployType	String	Yes	Deployment type, which can be set to "url" or "image". The value "image" is only for docker applications.
warUrl	String	No	Storage address of the uploaded WAR package (OSS is recommended for storage). This parameter is required when deployType is set to url.
imageUrl	String	No	Image address. This parameter is required when deployType is set to "image".
groupId	String	Yes	Deployment group ID (which can be obtained by the ListDeployGroupRequest API). Set this parameter to "all" if all groups are

			selected.
batch	Integer	No	The default value is 1. A maximum of five batches are supported.
batchWaitTime	Integer	No	Wait time. The default value is 0, which indicates no waiting. The maximum value is 5 minutes.
appEnv	String	No	Application environment variable, which must be in the format of [{"name":"x","value":"y"},{"name":"x2","value":"y2"}] The key must be name or value.

NOTE: If groupId is set to "all" , it indicates all groups and "batch" is unavailable. The backend conducts batch deployment based on the number of application groups. If there is only one group, the backend deploys the application in one batch.If an application needs to be deployed on one group, enter the group ID.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderId	String	Call the GetChangeOrderInfoRequest API to display the deployment progress.

DeleteDeployGroupRequest

Function

Delete Group

Request URL

/pop/v5/deploy_group

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupName	String	Yes	Group name

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Response message

GetApplicationRequest

Function

Returns application information.

Request URL

/pop/v5/app/app_info

Request method

POST

Request parameters

Parameter	Type	Required?	Description
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appId	String	Yes	Application ID
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Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
Application	Application	Application information

Application

Parameter	Type	Description
AppId	String	Application ID
Name	String	Application name
RegionId	String	Region ID
Description	String	Application description
Owner	String	Application creator
InstanceCount	Integer	Number of included application instances
RunningInstanceCount	Integer	Number of running application instances
Port	Integer	Port occupied by the application
UserId	String	Primary account ID
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
SlbPort	Integer	Port occupied by the intranet-based SLB instance
ExtSlbId	String	ID of the Internet-based SLB instance
ExtSlbIp	String	IP address of the Internet-based SLB instance
SlbName	String	Name of the intranet-based SLB instance
ExtSlbName	String	Name of the Internet-based SLB instance
ApplicationType	String	Application deployment

		type, which can be War (WAR package deployment) or FatJar (JAR package deployment). If this parameter is set to null, the application is not deployed.
ClusterType	Integer	Environmental type of the application cluster. Optional values: 0 (common Docker cluster); 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster); 4 (automatically registered Pandora cluster).
ClusterId	String	Cluster ID
Dockerize	Boolean	Indicates whether the application is a Docker application
Cpu	Integer	Number of CPU cores
Memory	Integer	Memory size (MB) configured for the application instance
HealthCheckUrl	String	Health check URL
BuildpackId	Long	Container version ID
CreateTime	Long	Creation time

GetChangeOrderInfoRequest

Function

Returns the details of a change process.

Request URL

/pop/v5/changeorder/change_order_info

Request method

POST

Request parameters

Parameter	Type	Required?	Description
changeOrderId	String	Yes	Unique ID of a change process, which is returned for all application life cycle methods once the call is successful.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderInfo	ChangeOrderInfo	Details of the change process

ChangeOrderInfo: Basic information of a change process

Parameter	Type	Description
ChangeOrderId	String	Unique ID of a change process
CreateUserId	String	ID of the user that creates the change process
Desc	String	Description of the change process
BatchCount	Integer	Number of executed batches
BatchType	String	Deployment mode
Status	Integer	0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception
CoType	Integer	Type of the change process
CreateTime	String	Creation time
PipelineInfoList	List<PipelineInfo>	Batch execution details. See PipelineInfo.

PipelineInfo: Execution information per batch

Parameter	Type	Description
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PipelineId	String	Unique ID of a batch
PipelineName	String	Batch name
PipelineStatus	Integer	0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception
StageList	List<StageInfoDTO>	Stages of each batch. For details, see the definition of StageInfoDTO.

StageInfoDTO: Execution information in a specific stage of a batch

Parameter	Type	Description
StageId	String	Stage ID
StageName	Integer	Stage name
Status	Integer	Stage status (0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception)
StageResultDTO	StageResultDTO	For details about the meaning of each stage, see StageResultDTO.

StageResultDTO: Stage execution details, including the service-type task stage and agent-type task stage

Parameter	Type	Description
InstanceDTOList	List<InstanceDTO>	Stage execution result on each ECS instance. For details, see the definition of InstanceDTO.
ServiceStage	ServiceStage	Result of service-type stage execution

ServiceStage: In the service-type stage, corresponding services are called to process instances in batches, for example, online or offline state of SLB

Parameter	Type	Description
StageId	String	Stage ID
StageName	String	Stage name

Status	Integer	Running status (0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception)
Message	String	Execution result

InstanceDTO: General result of agent-type task execution on a specific instance (a common agent-type task is starting an application instance)

Parameter	Type	Description
InstanceName	String	Instance name
InstanceIp	String	IP address of the instance
Status	Integer	0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception
InstanceStageDTOList	List<InstanceStageDTO>	A list of stage execution results on each instance

InstanceStageDTO: Execution details of a stage on a specific instance

Parameter	Type	Description
StageId	String	Stage ID
StageName	String	Stage name
Status	Integer	0: Preparation; 1: Execution in progress; 2: Execution successful; 3: Execution failed; 6: Ended; 10: Execution failed due to a system exception

GetContainerConfigurationRequest

Function

Returns the Tomcat setting of an application or a group.

Request URL

/pop/v5/app/container_config

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupId	String	Yes	Group ID. Configure the group if this parameter is specified. If this parameter is null (""), configure the application.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ContainerConfiguration	ContainerConfiguration	

ContainerConfiguration

Parameter	Type	Description
ContextPath	String	contextpath configured for Tomcat. The application configuration is returned.
HttpPort	Integer	Application port.The set value and application configuration are returned.
MaxThreads	Integer	Maximum number of threads. The set value is returned. 1. The default value is returned if application configuration is not set. 2. The application configuration is returned if group configuration is not

		set.
URIEncoding	String	URI coding mode, which can be ISO-8859-1, GBK, GBK213, or UTF-8. The set value is returned. 1. The default value is returned if application configuration is not set. 2. The application configuration is returned if group configuration is not set.
UseBodyEncoding	Boolean	Indicates whether useBodyEncodingForURI is enabled. The set value is returned. 1. The default value is returned if application configuration is not set. 2. The application configuration is returned if group configuration is not set.

GetJvmConfigurationRequest

Function

Returns the JVM setting of an application or a group.

Request URL

/pop/v5/app/app_jvm_config

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupId	String	Yes	Group ID.

			Configure the group if this parameter is specified. If this parameter is null (""), configure the application.
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Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
JvmConfiguration	JvmConfiguration	

JvmConfiguration

Parameter	Type	Description
Options	String	Custom parameter
MinHeapSize	Integer	Size (MB) of heap memory during initialization
MaxPermSize	Integer	Size (MB) of persistent heap memory
MaxHeapSize	Integer	Maximum size (MB) of heap memory

InsertApplicationRequest

Function

Create an application

Request URL

/pop/v5/changeorder/co_create_app

Request method

POST

Request parameters

Create a common application

Parameter	Type	Required?	Description
applicationName	String	Yes	Application name
buildPackId	Integer	Yes	Container version ID, which can be obtained by the ListBuildPackRequest API
ecuInfo	String	Yes	ECU ID. Join multiple IDs with commas (.). ECU IDs can be obtained by the ListScaleOutEcuRequest API.
description	String	No	Application description
healthCheckURL	String	No	Health check URL
logicalRegionId	String	No	Logical region ID corresponding to the namespace. This parameter is optional and its value can be obtained by the ListUserDefineRegionRequest API.
clusterId	String	Yes	Cluster ID. If no cluster ID is set, the default cluster is used . The cluster ID can be obtained by the ListClusterRequest API.

Create a Docker application

Parameter	Type	Required?	Description
applicationName	String	Yes	Application name
buildPackId	Integer	Yes	Container version ID, which can be obtained by the ListBuildPackRequest

			t API
logicalRegionId	String	No	Logical region ID corresponding to the namespace. This parameter is optional and its value can be obtained by the ListUserDefineRegionRequest API.
ecuInfo	String	Yes	ECU ID. Join multiple IDs with commas (.). ECU IDs can be obtained by the ListScaleOutEcuRequest API.
description	String	No	Application description
healthCheckURL	String	No	Health check URL
clusterId	String	Yes	Cluster ID, which is required when a Docker application is created and can be obtained by the ListClusterRequest API.
cpu	Integer	Yes	Number of CPUs. This parameter can be left unspecified (the value is 0) in sharing mode.
mem	Integer	Yes	Memory size (MB). Set this parameter according to the available ECU memory.
reservedPortStr	String	No	Number of the port that any other application cannot use. Separate multiple reserved ports with commas (.).

Response parameters

	Parameter	Type	Description
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			n
Code	Integer	Code	
Message	String	Message	
ApplicationInfo	ApplicationInfo	For details about the created application, see ApplicationInfo.	

ApplicationInfo

	Parameter	Type	Description
Appname	String	Application name	
AppId	String	Unique ID of the application	
Dockerize	Boolean	Indicates whether the application is a Docker application	
Port	String	Application port number	
UserId	String	Primary account of the application creator	
Owner	String	Account used to create the application	
RegionName	String	Region where the application is located	
ChangeOrderId	String	ID of the change process. Use this ID to call the GetChangeOrderInfoRequest API to display the deployment progress.	

InsertDeployGroupRequest

Function

Create a group

Request URL

/pop/v5/deploy_group

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupName	String	Yes	Group name, up to 64 characters

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
DeployGroup	DeployGroup	Information of the created group

DeployGroup

Parameter	Type	Description
Id	String	Group ID
GroupName	String	Group name
GroupType	Integer	Group type. 0: Default group 1: Grayscale is disabled for traffic management. 2: Grayscale is enabled for traffic management.
AppId	String	Application ID
ClusterId	String	Cluster ID
PackageVersionId	String	Group version ID
AppVersionId	String	Application version ID
CreateTime	Long	Creation time
UpdateTime	Long	Update time

ListApplicationRequest

Function

Returns an application list.

Request URL

/pop/v5/app/app_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ApplicationList	List<Application>	Application list

Application

Parameter	Type	Description
AppId	String	Application ID
Name	String	Application name
RegionId	String	Region ID
Description	String	Application description
Owner	String	Application creator
InstanceCount	Integer	Number of included application instances
RunningInstanceCount	Integer	Number of running

		application instances
Port	Integer	Port occupied by the application
UserId	String	Primary account ID
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
SlbPort	Integer	Port occupied by the intranet-based SLB instance
ExtSlbId	String	ID of the Internet-based SLB instance
ExtSlbIp	String	IP address of the Internet-based SLB instance
ApplicationType	String	Application deployment type, which can be War (WAR package deployment) or FatJar (JAR package deployment). If this parameter is set to null, the application is not deployed.
ClusterType	Integer	Environmental type of the application cluster. Optional values: 0 (common Docker cluster); 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster); 4 (automatically registered Pandora cluster).
ClusterId	String	Cluster ID
Dockerize	Boolean	Indicates whether the application is a Docker application
Cpu	Integer	Number of CPU cores
Memory	Integer	Memory size (MB) configured for the application instance
HealthCheckUrl	String	Health check URL
BuildpackId	Long	Container version ID
CreateTime	Long	Creation time

ListBuildPackRequest

Function

Returns a list of container versions.

Request URL

/pop/v5/app/build_pack_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	code
Message	String	Message
BuildpackList	List<BuildPack>	Information of the container version list

BuildPack

Parameter	Type	Description
ConfigId	String	Container version ID
PackVersion	String	Application version
TomcatVersion	String	Tomcat version
TomcatDownloadUrl	String	Download address of the Tomcat installation program
TomcatDesc	String	Tomcat description
PandoraVersion	String	Pandora version
PandoraDownloadUrl	String	Download address of the Pandora installation program

PandoraDesc	String	Pandora description
PluginInfo	String	Plugin description
TomcatPath	String	Tomcat directory name
ImageId	String	ID of the basic image corresponding to the container
TengineImageId	String	ID of the Tengine image corresponding to the container
TengineDownloadUrl	String	Download address of the Tengine installation program
MultipleTenant	Boolean	Indicates whether multi-tenant support is enabled
WithTengine	Boolean	Indicates whether traffic management is supported
ScriptName	String	Shell script name
ScriptVersion	String	Shell script version
feature	string	Beta test feature
SupportFeatures	String	Supported features
Disabled	Boolean	Indicates whether a feature is disabled. A disabled feature cannot be set for usage.

ListDeployGroupRequest

Function

Returns a list of deployment groups.

Request URL

/pop/v5/app/deploy_group_list

Request method

POST

Request parameters

Parameter	Type	Required?	Description
AppId	String	Yes	Application ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
DeployGroupList	List<DeployGroup>	Deployment group list

DeployGroup

Parameter	Type	Description
GroupId	String	Group ID
GroupName	String	Group name
GroupType	Integer	Group type. 0: Default group 1: Grayscale is disabled for traffic management. 2: Grayscale is enabled for traffic management.
AppId	String	Application ID
ClusterId	String	Cluster ID
PackageVersionId	String	Group version ID
AppVersionId	String	Deployment record ID
CreateTime	Long	Creation time
UpdateTime	Long	Update time

ListHistoryDeployVersionRequest

Function

Returns a list of history application versions.

Request URL

/pop/v5/app/deploy_history_version_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
PackageVersionList	List<PackageVersion>	Content of the version list. For details, see PackageVersion.	

PackageVersion

	Parameter	Type	Description
Id	String	Unique ID	
PackageVersion	String	Released version (which is provided to the rollback API)	
AppId	String	Application ID	
Description	String	Description	
WarUrl	String	URL of WAR deployment	

CreateTime	String	Creation time	
UpdateTime	String	Update time	
Type	String	Deployment type, for example, URL or Image	

ListRecentChangeOrderRequest

Function

Returns a list of history changes.

Request URL

/pop/v5/changeorder/change_order_list

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderList	List<ChangeOrder>	A list of history changes

ChangeOrder:

Parameter	Type	Description
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ChangeOrderId	String	Unique ID of a change process
UserId	String	ID of the user that creates the change process
BatchType	String	Batch mode
BatchCount	Integer	Number of executed batches
AppId	String	Application ID
GroupId	String	Group ID
Status	Integer	Status of the change process
CreateTime	String	Creation time
FinishTime	String	End time
CoType	String	Type of the change process

QueryApplicationStatusRequest

Function

Queries an application.

Request URL

/pop/v5/app/app_status

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Target application ID

Response parameters

Parameter	Type	Description
-----------	------	-------------

Code	Integer	Code
Message	String	Message
AppInfo	Map	Application information

AppInfo

Parameter	Type	Description
Application	Application	For details, see the definition of ApplicationEntity.
GroupList	List<Group>	For details, see the definition of GroupEntity.
EcuList	List<Ecu>	For details, see the definition of EcuEntity.
EccList	List<Ecc>	For details, see the definition of EccEntity.
DeployRecordList	List<DeployRecord>	For details, see the definition of DeployRecord.

ApplicationEntity: Basic application information

Parameter	Type	Description
AppId	String	Application ID
Name	String	Application name
RegionId	String	Region ID
Description	String	Application description
Owner	String	Application creator
InstanceCount	Integer	Number of included application instances
RunningInstanceCount	Integer	Number of running application instances
Port	Integer	Port occupied by the application
UserId	String	Primary account ID
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
SlbPort	Integer	Port occupied by the intranet-based SLB instance
ExtSlbId	String	ID of the Internet-based SLB

		instance
ExtSlbIp	String	IP address of the Internet-based SLB instance
ApplicationType	String	Application deployment type, which can be War (WAR package deployment) or FatJar (JAR package deployment). If this parameter is set to null, the application is not deployed.
ClusterType	Integer	Environmental type of the application cluster. Optional values: 0 (common Docker cluster); 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster); 4 (automatically registered Pandora cluster).
ClusterId	String	Cluster ID
Dockerize	Boolean	Indicates whether the application is a Docker application
Cpu	Integer	Number of CPU cores
Memory	Integer	Memory size (MB) configured for the application instance
HealthCheckUrl	String	Health check URL
BuildpackId	Long	Container version ID
CreateTime	Long	Creation time

GroupEntity: Group information

Parameter	Type	Description
GroupId	String	Group ID
GroupName	String	Group name
GroupType	Integer	Group type. Optional values: 0 (default); 1 (created by user); 2 (grayscale group).
AppId	String	Application ID
ClusterId	String	Cluster ID
PackageVersionId	String	Group deployment package ID
AppVersionId	String	Group deployment record ID (obsolete)

CreateTime	Long	Creation time
UpdateTime	Long	Update time
Expired	Boolean	Group deletion mark (hidden)

EcuEntity: ECU information

Parameter	Type	Description
EcuId	String	Unique ID of the ECU instance, which can be obtained by running dmidecode on the ECS instance
Online	Boolean	Indicates whether the ECU instance is online
DockerEnv	Boolean	Indicates whether Docker is installed
CreateTime	long	Creation time
UpdateTime	long	Update time
HeartbeatTime	long	Heartbeat time
UserId	String	Associated user ID
IpAddr	String	Intranet IP address of the ECU instance
Name	String	Name
ZoneId	String	ID of the zone where the instance is located
RegionId	String	ID of the region where the instance is located
InstanceId	String	Instance ID
VpcId	String	VPC ID
AvailableCpu	Integer	Available CPU
AvailableMem	Integer	Available memory
Cpu	Integer	Total number of CPUs
Mem	Integer	Total memory

EccEntity: ECC information

Parameter	Type	Description
EccId	String	Unique ID of an ECC instance

EcuId	String	Unique ID of an ECU instance
AppId	String	Unique ID of an application
AppState	Integer	Status of an application instance (which is used by the change process). Optional values: AGENT_OFF(0); STOPPED(1); RUNNING_BUT_URL_FAILED(3); RUNNING(7).
TaskState	Integer	Status of the most recent task on the instance. Optional values: UNKNOWN(0); PROCESSING(1); SUCCESS(2); FAILED(3).
createTime	Long	Creation time
updateTime	Long	Update time
Ip	String	Intranet IP address of the ECU instance
VpcId	String	VPC ID
GroupId	String	Group ID

DeployRecord: DeployRecord information

Parameter	Type	Description
EccId	String	Unique ID of an ECC instance
EcuId	String	Unique ID of an ECU instance
DeployRecordId	String	Deployment record ID
PackageVersionId	String	Group deployment package ID
PackageMd5	String	MD5 value of the deployment package
createTime	Long	Creation time

QueryMonitorInfoRequest

Function

Queries the information of basic monitoring and service monitoring.

Request URL

/pop/v5/monitor/queryMonitorInfo

Request method

POST

Request parameters

Parameter	Type	Required?	Description
start	Long	Yes	Start time; unit: ms
end	Long	Yes	End time; unit: ms
metric	String	Yes	A total of 21 metrics are available. For details, see metric.
tags	String	Yes	Dimension
aggregator	String	Yes	Aggregation mode. Optional values: sum; avg; max; min.
interval	String	No	Time granularity. Optional values: 1m (1 minute); 5m (5 minutes); 15m (15 minutes); 1h (1 hour). The default value is 1m.

Description of tags

Map<String,String>Serialized JSON string.The application dimension, application group dimension, application instance dimension, and service dimension are supported.

Dimension	Required tagK field
Application	appId
Application group	appId and groupId
Application instance	appId, groupId, and eccId
Service	appId, groupId, and serviceName
Dependent application group	appId, groupId, targetAppId, targetGroupId
Dependent service	appId, groupId, targetAppId, targetGroupId, targetServiceName

metric

A total of 21 metrics are available. Tags and aggregator are supported.

Metric	Meaning	Dimension	Aggregator
system.cpu	CPU usage	Application, application group, and application instance	min, max, and avg
system.load	Load	Application, application group, and application instance	min, max, and avg
system.memory.total	Total memory	Application, application group, and application instance	min, max, and avg
system.memory.used	Used memory	Application, application group, and application instance	min, max, and avg
system.net.out	Network speed Tx	Application, application group, and application instance	sum and avg
system.net.in	Network speed Rx	Application, application group, and application instance	sum and avg
system.disk.total	Total disk capacity	Application, application group, and application instance	min, max, and avg
system.disk.used	Used disk capacity	Application, application group, and application instance	min, max, and avg
system.disk.io.out	Disk read speed	Application, application group, and application instance	min, max, and avg
system.disk.io.in	Disk write speed	Application, application group, and application instance	min, max, and avg
system.disk.count.out	Number of disk read requests	Application, application group, and application instance	min, max, and avg

system.disk.count.in	Number of disk write requests	Application, application group, and application instance	min, max, and avg
service.http.qps	HTTP call QPS	Application group and service	sum
service.http.errorQps	HTTP call error QPS	Application group and service	sum
service.http.rt	HTTP call RT	Application group and service	avg
service.rpc.server.qps	RPC provider call QPS	Application group and service	sum
service.rpc.server.errorQps	RPC provider call error QPS	Application group and service	sum
service.rpc.server.rt	RPC provider local RT	Application group and service	avg
service.rpc.client.qps	RPC client call QPS	Dependent application group and service	sum
service.rpc.client.errorQps	RPC client call error QPS	Dependent application group and service	sum
service.rpc.client.rt	RPC client local RT	Dependent application group and service	avg

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
MonitorInfo	Json	Monitoring information, compliant with the open TSDB standard

Other instructions

1. Throttling policy of this API: The total call times per minute cannot exceed 1,200; the total call times per user per minute cannot exceed 20.
2. The query time span (end time minus start time) is up to 7 days.

Samples

The following describes how to query the average CPU per day of an application group for your better understanding and use.

Request code

```
// Create a POP client.
DefaultAcsClient defaultAcsClient = getAcsClient(EDAS_TEST1_AK, EDAS_TEST1_SK, REGION_HUADONG2);

final Map<String, String> tags = new HashMap<String, String>() {
    {
        // ID of the application to be queried
        put("appId", "3e06d38a-b19d-4337-ab49-f09015d584f2");
        // ID of the application group to be queried
        put("groupId", "d9814437-d37d-48f6-abd0-6db82ea30b3e");
    }
};

// Create a POP query request
QueryMonitorInfoRequest request = new QueryMonitorInfoRequest();
long end = System.currentTimeMillis() - 1000;
long start = end - 24 * 3600 * 1000;
// Set the query start point
request.setStart(start);
// Set the query end point
request.setEnd(end);
// Set the query metric
request.setMetric("system.cpu");
// Set the query dimension
request.setTags(JSON.toJSONString(tags));
// Set the query aggregation method
request.setAggregator("avg");
// Set the query time granularity
request.setInterval("1h");
// Execute a call
QueryMonitorInfoResponse response = defaultAcsClient.getAcsResponse(request);

// Obtain the query result
log.info(response.getMonitorInfo());
```

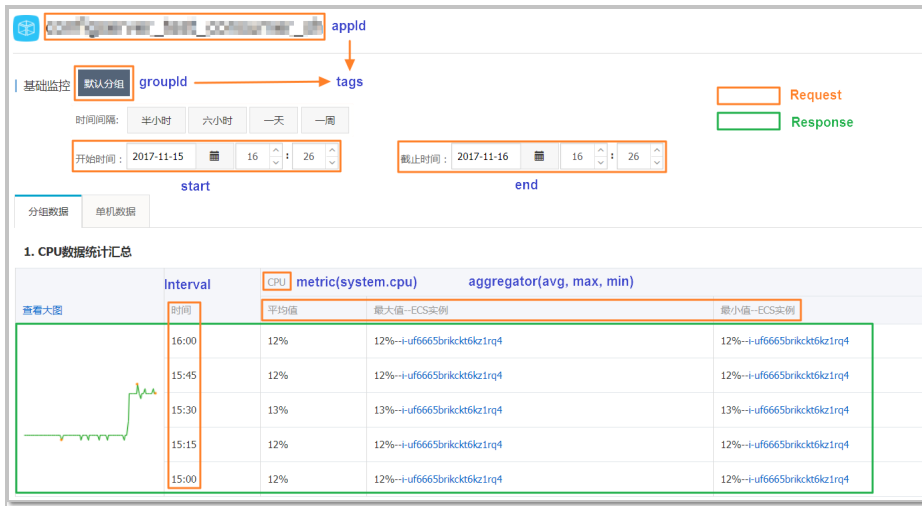
Return code

```
{
  "aggregatedTags": [
    "regionId",
    "appId",
    "groupId",
    "userId",
    "dps": [
      [1510714800000,4.38],[1510718400000,4.05],[1510722000000,4.07],
      [1510725600000,4.22],[1510729200000,4.05],[1510732800000,3.92],
      [1510736400000,4.02],[1510740000000,4.08],[1510743600000,4.1],
      [1510747200000,4.27],[1510750800000,3.95],[1510754400000,3.95],
      [1510758000000,4.03],[1510761600000,3.68],[1510765200000,3.77],
      [1510768800000,3.97],[1510772400000,3.77],[1510776000000,3.85],
      [1510779600000,4.15],[1510783200000,4.17],[1510786800000,3.98],
      [1510790400000,3.97],[1510794000000,3.87],[1510797600000,3.83],
      [1510801200000,43.86]
    ],
    "metric": "system.cpu"
  ]
}
```

Scenario description

To help you understand the use cases of instances, the following describes how to query **Monitoring Information** on the Basic Monitoring page of the EDAS console by running the preceding code. You can modify the values of specific request parameters to obtain other data.

As shown in the following figure, the content in orange blocks indicates request parameters and that in green blocks indicates response parameters and response information.



You can also set the display mode of response information in your monitoring system.

RollbackApplicationRequest

Function

Rolls back an application.

Request URL

/pop/v5/changeorder/co_rollback

Request method

POST

Request parameters

Parameter	Type	Required?	Description
-----------	------	-----------	-------------

appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
historyVersion	String	Yes	Set this parameter according to PackageVersion returned by the ListHistoryDeployVersionRequest API.
groupId	String	Yes	Deployment group ID (which can be obtained by the ListDeployGroupRequest API). Set this parameter to all if all groups are selected.
batch	Integer	No	The default value is 1. A maximum of five batches are supported.
batchWaitTime	Integer	No	Wait time between batches. The default value is 0, which indicates no waiting. The maximum value is 5 minutes.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call the GetChangeOrderInfoRequest API to display the rollback progress.	

ResetApplicationRequest

Function

Resets an application.

Request URL

/pop/v5/changeorder/co_reset

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID (which can be obtained from the application list)
eccInfo	String	Yes	ECC ID of the ECS instance that needs to be reset under the application. Separate multiple ECC IDs with commas (.). ECC IDs can be obtained by the QueryApplicationStatusRequest API.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call the GetChangeOrderInfoRequest API to display the progress of the Reset	

		operation.	
--	--	------------	--

ScaleInApplicationRequest

Function

Deprecates an application instance.

Request URL

/pop/v5/changeorder/co_scale_in

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID, which can be obtained by the ListApplication Request API.
eccInfo	String	Yes	ECC ID of the ECS instance that needs to be reset under the application. Separate multiple ECC IDs with commas (.). ECC IDs can be obtained by the QueryApplicationStatusRequest API.
forceStatus	Boolean	No	Indicates whether forced deprecation is

			enabled. This parameter is set to true only when the ECS instance has expired and must be null in normal conditions.	
--	--	--	--	--

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call the GetChangeOrderInfoRequest API to display the deprecation progress.(If forceStatus is set to true, no ID is generated. You need to determine whether the operation is successful based on the code.)	

ScaleOutApplicationRequest

Function

Scales up an application instance.

Request URL

/pop/v5/changeorder/co_scale_out

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
ecuInfo	String	Yes	ECS ID of the ECS instance that needs to be scaled up. Separate multiple ECS IDs with commas (.). ECS IDs can be obtained by the ListScaleOutEcuRequest API.
deployGroup	String	Yes	Target group (groupId) that needs to be scaled up, which can be obtained by the QueryApplicationStatusRequest API.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call the GetChangeOrderInfoRequest API to display the scale-up progress.	

StartApplicationRequest

Function

Start the application

Request URL

/pop/v5/changeorder/co_start

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID (which can be obtained from the application list)
eccInfo	String	No	ECC ID of the ECS instance that needs to be reset under the application. Separate multiple ECC IDs with commas (.).If this parameter is not set, all ECS instances under the application are started. ECC IDs can be obtained by the QueryApplicationStatusRequest API.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call	

		the GetChangeOrderInfoRequest API to display the startup progress.	
--	--	---	--

StopApplicationRequest

Function

Stops an application.

Request URL

/pop/v5/changeorder/co_stop

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID (which can be obtained from the application list)
eccInfo	String	No	ECC ID of the ECS instance that needs to be reset under the application. Separate multiple ECC IDs with commas (.).If this parameter is not set, all ECS instances under the application are stopped. ECC IDs can be obtained by the QueryApplicationStatusRequest API.

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID. Call the GetChangeOrderInfoRequest API to display the progress of the Stop operation.	

UpdateApplicationBaseInfoRequest

Function

Configure basic application information

Request URL

/pop/v5/app/update_app_info

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
appName	String	No	Application name, up to 32 characters. If this parameter is null, no application name is specified.
desc	String	No	Description, up to

			256 characters. If this parameter is null, no description is specified.
--	--	--	---

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
Application	Application	Application list

Application

Parameter	Type	Description
AppId	String	Application ID
Name	String	Application name
RegionId	String	Region ID
Description	String	Application description
Owner	String	Application creator
InstanceCount	Integer	Number of included application instances
RunningInstanceCount	Integer	Number of running application instances
Port	Integer	Port occupied by the application
UserId	String	Primary account ID
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
SlbPort	Integer	Port occupied by the intranet-based SLB instance
ExtSlbId	String	ID of the Internet-based SLB instance
ExtSlbIp	String	IP address of the Internet-based SLB instance
SlbName	String	Name of the intranet-based SLB instance
ExtSlbName	String	Name of the Internet-based

		SLB instance
ApplicationType	String	Application deployment type, which can be War (WAR package deployment) or FatJar (JAR package deployment). If this parameter is set to null, the application is not deployed.
ClusterType	Integer	Environmental type of the application cluster. Optional values: 0 (common Docker cluster); 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster); 4 (automatically registered Pandora cluster).
ClusterId	String	Cluster ID
Dockerize	Boolean	Indicates whether the application is a Docker application
Cpu	Integer	Number of CPU cores
Memory	Integer	Memory size (MB) configured for the application instance
HealthCheckUrl	String	Health check URL
BuildpackId	Long	Container version ID
CreateTime	Long	Creation time

UpdateContainerConfigurationRequest

Function

Configures the Tomcat setting of an application or a group (including groups).

Request URL

/pop/v5/app/container_config

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupId	String	No	Group ID. Configure the group if this parameter is specified. If this parameter is null (""), configure the application.
contextPath	String	No	Tomcat contextpath, which can be set to an empty string or null (in this case, the WAR package name is used), root directory name, or non-empty custom string. The value contains English characters, numbers, hyphens (-), and underscores (_). Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the root directory is used.
httpPort	Integer	No	Application port. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value 8080 is used.
maxThreads	Integer	No	Maximum number of threads. Description: 1. For group configuration, if this

			parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value 250 is used.
uRIEncoding	String	No	URI coding mode, which can be ISO-8859-1, GBK, GBK213, or UTF-8. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value Tomcat is used.
useBodyEncoding	Boolean	No	Indicates whether to enable useBodyEncodingForURI. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value "false" is used.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ContainerConfiguration	ContainerConfiguration	

ContainerConfiguration

Parameter	Type	Description
-----------	------	-------------

ContextPath	String	Tomcat contextpath
HttpPort	Integer	Application port
MaxThreads	Integer	Maximum number of threads
URIEncoding	String	URI coding mode, which can be ISO-8859-1, GBK, GBK213, or UTF-8.
UseBodyEncoding	Boolean	Indicates whether useBodyEncodingForURI is enabled

UpdateHealthCheckUrlRequest

Function

Configures a health check URL.

Request URL

/pop/v5/app/modify_hc_url

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
hcURL	String	No	Health check URL, containing up to 255 characters. It must start with http://, for example, http://127.0.0.1:8080/_ehc.html. If this parameter is not set, the application check URL is not modified.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
HealthCheckUrl	String	Health check URL

UpdateJvmConfigurationRequest

Function

Configures the JVM setting of an application or a group.

Request URL

/pop/v5/app/app_jvm_config

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
groupId	String	No	Group ID. Configure the group information if this parameter is specified. If this parameter is null (""), configure the application.
options	String	No	Custom parameter. Description: 1. For group configuration, if this parameter is not set, the application configuration is

			used. 2. For application configuration, if this parameter is not set, the default value is used.
minHeapSize	Integer	No	Size (MB) of heap memory during initialization. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value is used.
maxPermSize	Integer	No	Memory size (MB) of the permanent generation. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value is used.
maxHeapSize	Integer	No	Maximum size (MB) of heap memory. Description: 1. For group configuration, if this parameter is not set, the application configuration is used. 2. For application configuration, if this parameter is not set, the default value is used.

Response parameters

- For application configuration setting, the set value is returned. If no setting is available, null

(instead of the default value) is returned.

- For group configuration setting, the set value is returned. If no setting is available, the application configuration is returned.

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
JvmConfiguration	JvmConfiguration	

JvmConfiguration

Options	String	Custom parameter
MinHeapSize	Integer	Size (MB) of heap memory during initialization
MaxPermSize	Integer	Size (MB) of persistent heap memory
MaxHeapSize	Integer	Maximum size (MB) of heap memory

UnbindSlbRequest

Function

Unbinds an SLB instance.

Request URL

/pop/app/unbind_slb_json

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID

slbId	String	Yes	ID of the SLB instance
type	String	Yes	Network type of the SLB instance. internet: Internet-based instance; intranet: Intranet-based instance

Response parameters

	Parameter	Type	Description
Code	Integer	Code	
Message	String	Message	
Data	String	Information about successful or failed API call	

Manage accounts

AuthorizeApplicationRequest

Function

Authorizes an application.

Request URL

/pop/v5/account/authorize_app

Request method

POST

Request parameters

Parameter	Type	Required?	Description
targetUserId	String	Yes	ID of the subaccount to be authorized
appIds	String	No	Application ID. Separate multiple IDs with semicolons (;). The value "null" indicates canceling application authorization.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

AuthorizeResourceGroupRequest

Function

Authorizes a resource group.

Request URL

/pop/v5/account/authorize_res_group

Request method

POST

Request parameters

Parameter	Type	Required?	Description
targetUserId	String	Yes	ID of the subaccount to be authorized

resourceGroupIds	String	No	Resource group ID. Separate multiple IDs with semicolons (;). The value "null" indicates canceling resource group authorization.
------------------	--------	----	--

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

AuthorizeRoleRequest

Function

Authorizes a role.

Request URL

/pop/v5/account/authorize_role

Request method

POST

Request parameters

Parameter	Type	Required?	Description
targetUserId	String	Yes	ID of the subaccount to be authorized
roleIds	String	No	Role ID. Separate multiple IDs with semicolons (;). The value "null" indicates canceling role authorization.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

DeleteRoleRequest

Function

Delete the role

Request URL

/pop/v5/account/delete_role

Request method

POST

Request parameters

Parameter	Type	Required?	Description
roleId	Integer	Yes	Role ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

InsertRoleRequest

Function

Creates a role.

Request URL

/pop/v5/account/create_role

Request method

POST

Request parameters

Parameter	Type	Required?	Description
roleName	String	Yes	Role name
actionData	String	Yes	Operation permission set

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
RoleId	Integer	Role ID

ListAuthorityRequest

Function

Queries all permissions.

Request URL

/pop/v5/account/authority_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
AuthorityList	List<Authority>	Permission list

Authority

Parameter	Type	Description
GroupId	String	Permission group ID
Name	String	Permission group name
ActionList	List<Action>	Permission set
Description	String	Permission group description

Action

Parameter	Type	Description
GroupId	String	Permission group ID
Code	String	Permission code
Name	String	Permission name
Description	String	Permission description

ListRoleRequest

Function

Returns a role list.

Request URL

/pop/v5/account/role_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
RoleList	List<RoleItem>	Role list

RoleItem

Parameter	Type	Description
Role	Role	Role information
ActionList	List<Action>	Operation permission set

Role

Parameter	Type	Description
Id	Integer	Role ID
AdminUserId	String	Primary account ID
Name	String	Role name
CreateTime	Long	Role creation time
UpdateTime	Long	Role update time
IsDefault	Boolean	Indicates whether the role is the default role

Action

Parameter	Type	Description
-----------	------	-------------

GroupId	String	Permission group ID
Code	String	Permission code
Name	String	Permission name
Description	String	Permission description

ListSubAccountRequest

Function

Returns a subaccount list.

Request URL

/pop/v5/account/sub_account_list

Request method

POST

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
SubAccountList	List<SubAccount>	Subaccount list

SubAccount

Parameter	Type	Description
AdminUserId	String	Primary account ID
SubUserId	String	Subaccount ID
Email	String	Email

Phone	String	Contact information
AdminUserKp	String	KP of the primary account
SubUserKp	String	KP of the subaccount

UpdateAccountInfoRequest

Function

Edits account information.

Request URL

/pop/v5/account/edit_account_info

Request method

POST

Request parameters

Parameter	Type	Required?	Description
name	String	No	Account name
telephone	String	No	Contact information
email	String	No	Email

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

UpdateRoleRequest

Function

Edits a role.

Request URL

/pop/v5/account/edit_role

Request method

POST

Request parameters

Parameter	Type	Required?	Description
roleId	Integer	Yes	Role ID
actionData	String	Yes	Operation permission set

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

Manage services

DeleteServiceGroupRequest

Function

Deletes a service group.

Request URL

/pop/v5/service/serviceGroups

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
groupId	String	Yes	Service group ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

InsertServiceGroupRequest

Function

Creates a service group.

Request URL

/pop/v5/service/serviceGroups

Request method

POST

Request parameters

Parameter	Type	Required?	Description
groupName	String	Yes	Creates a service

			group.
--	--	--	--------

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

ListConsumedServicesRequest

Function

Queries a list of consumed services.

Request URL

/pop/v5/service/listConsumedServices

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ConsumedServicesList	List	A list of consumed services

ConsumedServices

Parameter	Type	Description
-----------	------	-------------

AppId	String	Application ID
DockerApplication	Boolean	Whether the application is a Docker application or not
Group2Ip	String	Reserved field
Groups	List	Group that corresponds to the consumed service
Ips	List	Service subscription address
Name	String	Name of the published service
Type	String	Type of the published service
Version	String	Version of the published service

ListPublishedServicesRequest

Function

Queries a list of published services.

Request URL

/pop/v5/service/listPublishedServices

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID

Response parameters

Parameter	Type	Description
Code	Integer	Code

Message	String	Message
PublishedServicesList	List	List of published services

PublishedServices

Parameter	Type	Description
AppId	String	Application ID
DockerApplication	Boolean	Whether the application is a Docker application or not
Group2Ip	String	Reserved field
Groups	List	Group that corresponds to the consumed service
Ips	List	Service subscription address
Name	String	Name of the published service
Type	String	Type of the published service
Version	String	Version of the published service

ListServiceGroupsRequest

Function

Queries a list of service groups.

Request URL

/pop/v5/service/serviceGroups

Request method

GET

Request parameters

None.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ServiceGroupsList	List	Service group list

ServiceGroups

Parameter	Type	Description
CreateTime	String	Creation time
GroupId	String	Service group ID
GroupName	String	Name of the service group

Rate limiting and degradation

DeleteDegradeControlRequest

Function

Deletes the downgrade configuration.

Request URL

/pop/v5/degradeControl

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
-----------	------	-----------	-------------

appId	String	Yes	Application ID
ruleId	String	Yes	ID of the downgrade rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

DisableDegradeControlRequest

Function

Disables the downgrade function.

Request URL

/pop/v5/degradecontrol/disable

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the downgrade rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

DeleteFlowControlRequest

Function

Deletes the throttling configuration.

Request URL

/pop/v5/flowControl

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the throttling rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

DisableFlowControlRequest

Function

Disables a throttling rule.

Request URL

/pop/v5/flowcontrol/disable

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the throttling rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

EnableDegradeControlRequest

Function

Enables the downgrade function.

Request URL

/pop/v5/degradecontrol/enable

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
-----------	------	-----------	-------------

appId	String	Yes	Application ID
ruleId	String	Yes	ID of the downgrade rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

EnableFlowControlRequest

Function

Enables a throttling rule.

Request URL

/pop/v5/flowcontrol/enable

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the throttling rule

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

InsertDegradeControlRequest

Function

Adds a downgrade configuration.

Request URL

/pop/v5/degradeControl

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
duration	Integer	Yes	Time window, in seconds
methodName	String	No	Downgrade method. The value ALL indicates all downgrade methods. This parameter is required for HSF downgrade.
rtThreshold	Integer	Yes	RT threshold
serviceName	String	No	Name of the downgraded interface. This parameter is required for HSF downgrade.
urlVar	String	No	URL for HTTP downgrade. This parameter is required for HTTP downgrade.
ruleType	String	Yes	Rule type, which can

			be HSF or URL
--	--	--	---------------

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

InsertFlowControlRequest

Function

Adds a throttling configuration.

Request URL

/pop/v5/flowControl

Request method

POST

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
consumerAppId	String	No	ID of the application throttled. The value "default" indicates that all applications are throttled. This parameter is required for HSF throttling.
granularity	String	Yes	Throttling granularity. This parameter can be set to 0 for thread throttling and 1 for QPS throttling.

methodName	String	No	Throttling method, for example, dbCRUD(). The value ALL indicates all methods supported by the traffic-limited interface. This parameter is required for HSF throttling.
ruleType	String	Yes	Rule type, which can be HSF for HSF throttling and URL for HTTP throttling
serviceName	String	No	Interface that is throttled. This parameter is required for HSF throttling.
strategy	String	No	(Reserved) Throttling policy
threshold	Integer	Yes	Threshold
urlVar	String	No	URL for HTTP throttling. This parameter is required for HTTP throttling.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

ListDegradeControlsRequest

Function

Returns the downgrade configuration list.

Request URL

/pop/v5/app/degradeControls

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
FlowControlsMap	FlowControlsMap	Downgrade data

FlowControlsMap:

Parameter	Type	Description
AppId	String	Application ID
AppName	String	Application name
InterfaceMethods	InterfaceMethods	A set of downgrade-specific interface methods
RuleList	RuleList	A list of downgrade rules

InterfaceMethods

Parameter	Type	Description
Name	String	Name of the service interface
Version	String	Service version
Methods	List<String>	A set of methods specific to the service interface

RuleList

Parameter	Type	Description
-----------	------	-------------

AppId	String	Application ID
RuleId	String	Rule ID
Resource	String	Name of the interface method
RtThreshold	Integer	Downgrade threshold
Duration	Integer	Time window
State	Integer	Downgrade status. The value 1 indicates that the downgrade function is disabled and the value 0 indicates that the downgrade function is enabled.
CreateTime	Long	Creation time
UpdateTime	Long	Update time
RuleType	String	Rule type, which can be HSF or URL

ListFlowControlsRequest

Function

Returns the throttling configuration list.

Request URL

/pop/v5/app/flowControls

Request method

GET

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
FlowControlsMap	FlowControlsMap	Throttling data

FlowControlsMap

Parameter	Type	Description
AppId	String	Application ID
AppName	String	Application name
InterfaceMethods	InterfaceMethods	Information of the interface method for throttling
RuleList	RuleList	A list of throttling rules
AppList	AppList	A set of traffic-limited applications

InterfaceMethods

Parameter	Type	Description
Name	String	Name of the service interface
Version	String	Service version
Methods	List<String>	A set of methods specific to the service interface

RuleList

Parameter	Type	Description
AppId	String	Application ID
ConsumerAppId	String	Application that is throttled
CreateTime	Long	Creation time
Granularity	String	Throttling granularity
Resource	String	Name of the interface method
RuleId	String	Rule ID
RuleType	String	Rule type
State	Integer	Throttling status. The value 1

		indicates that throttling is disabled; the value 0 indicates that throttling is enabled.
Strategy	String	(Reserved) Throttling policy
Threshold	Integer	Throttling threshold
UpdateTime	Long	Update time

AppList

Parameter	Type	Description
AppId	String	Application ID
Name	String	Application name
RegionId	String	Region ID
Description	String	Application description
Owner	String	Application creator
InstanceCount	Integer	Number of included application instances
RunningInstanceCount	Integer	Number of running application instances
Port	Integer	Port occupied by the application
UserId	String	Primary account ID
SlbId	String	ID of the intranet-based SLB instance
SlbIp	String	IP address of the intranet-based SLB instance
SlbPort	Integer	Port occupied by the intranet-based SLB instance
ExtSlbId	String	ID of the

		Internet-based SLB instance		
ExtSlbIp	String	IP address of the Internet-based SLB instance		
ApplicationType	String	Application deployment type, which can be War (WAR package deployment) or FatJar (JAR package deployment). If this parameter is set to null, the application is not deployed.		
ClusterType	Integer	ClusterType	Integer	Environmental type of the application cluster. Optional values: 0 (common Docker cluster); 1 (Swarm cluster); 2 (ECS cluster); 3 (Kubernetes cluster); 4 (automatically registered Pandora cluster).
ClusterId	String	Cluster ID		
Dockerize	Boolean	Indicates whether the application is a Docker application		
Cpu	Integer	Number of CPU cores		
Memory	Integer	Memory size (MB) configured for the application instance		
HealthCheckUrl	String	Health check URL		

BuildpackId	Long	Container version ID	
CreateTime	Long	Creation time	

UpdateDegradeControlRequest

Function

Updates the downgrade configuration.

Request URL

/pop/v5/degradeControl

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the downgrade rule
duration	Integer	Yes	Time window, in seconds
methodName	String	No	Downgrade method. The value ALL indicates all downgrade methods. This parameter is required for HSF downgrade.
rtThreshold	Integer	Yes	RT threshold
serviceName	String	No	Name of the downgraded interface. This parameter is required for HSF

			downgrade.
urlVar	String	No	URL for HTTP downgrade. This parameter is required for HTTP downgrade.
ruleType	String	Yes	Rule type, which can be HSF or URL

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

UpdateFlowControlRequest

Function

Modifies the throttling configuration.

Request URL

/pop/v5/flowControl

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
appId	String	Yes	Application ID
ruleId	String	Yes	ID of the throttling rule
consumerAppId	String	No	ID of the application throttled. The value "default" indicates

			that all applications are throttled. This parameter is required for HSF throttling.
granularity	String	No	Throttling granularity. This parameter can be set to 0 for thread throttling and 1 for QPS throttling.
methodName	String	No	Throttling method, for example, dbCRUD(). The value ALL indicates all methods supported by the traffic-limited interface. This parameter is required for HSF throttling.
ruleType	String	No	Rule type, which can be HSF for HSF throttling and URL for HTTP throttling
serviceName	String	No	Interface that is throttled. This parameter is required for HSF throttling.
strategy	String	No	(Reserved) Throttling policy
threshold	Integer	No	Threshold
urlVar	String	No	URL for HTTP throttling. This parameter is required for HTTP throttling.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message

Container service Kubernetes

BindK8sSlb

Function

Bind an SLB instance for the Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_slb_binding

Request method

POST

Request parameters

Parameter	Type	Required	Description
AppId	String	Yes	Application ID
ClusterId	String	Yes	Cluster ID
type	String	Yes	Type of the SLB instance. This parameter can be set to internet for Internet-based SLB instances and intranet for intranet-based SLB instances.
SlbId	String	No	ID of the SLB instance. If this parameter is not set, EDAS automatically buys an SLB instance for you.
SlbProtocol	String	Yes	SLB instance protocol. The parameter value can be "TCP" only.

Port	String	Yes	Frontend port. The value ranges from 1 to 65535.
TargetPort	String	Yes	Backend port, and also the service port of the application. The value ranges from 1 to 65535.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderId	String	Change process ID

DeleteK8sApplicationRequest

Function

Delete a Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_apps

Request method

DELETE

Request parameters

Parameter	Type	Required?	Description
AppId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API

Response parameters

	Parameter	Type	Description
RequestId	String	Unique request ID	
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Change process ID, which is generated if an instance for the deleted application is not deprecated or an SLB instance is unbound. Then the application is deleted. Call the GetChangeOrderInfoRequest API to display the progress of the Delete operation. You need to determine whether the application has been deleted based on the code.	

DeployK8sApplicationRequest

Function

Deploy a Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_apps

Request method

POST

Request parameters

Parameter	Type	Required?	Description
AppId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
Image	String	Yes	Image complete URL, which overwrites the ImageTag parameter
ImageTag	String	Yes	Image tag
BatchWaitTime	Integer	No	Minimum interval between POD updates For more information, see minReadySeconds.
Replicas	Integer	No	Number of application instancesThe minimum value is 0.
Command	String	No	Startup command of the container This parameter must be set to the empty string "" to clear it.
Args	String	No	Args command for starting the container, which must be in JSON array format ["parameter 1","parameter 2"] The key must be a string. This parameter must be set to the empty string "[]" in JSON array format to clear it.
Envs	String	No	Application environment variable, which must be in JSON array format [{"name":"x","value":"y"},{"name":"x2","value":"y2"}] The key must be name or value.

			This parameter must be set to the empty string "" in JSON array format to clear it.
CpuLimit	Integer	No	CPU limit for the application instance when the application is running, in unit of cores. If the parameter value is 0, no CPU limit is posed.
MemoryLimit	Integer	No	Memory limit for the application instance when the application is running, in unit of MB. If the parameter value is 0, no memory limit is posed.
CpuRequest	Integer	No	Requested CPU quota for the application instance when the application is running, in unit of cores. If the parameter value is 0, no CPU quota is required.
MemoryRequest	Integer	No	Requested memory quota for the application instance when the application is running, in unit of MB. If the parameter value is 0, no CPU quota is required.
liveness	String	No	Container liveness status monitoring, format: {"failureThreshold": 3,"initialDelaySeconds": 5,"successThreshold": 1,"timeoutSeconds": 1,"tcpSocket":{"host":"","port":8080}}
readiness	String	No	Container readiness

			status check. If the check fails, the traffic passing through the Kubernetes service is not transmitted to the container. The parameter is in the format of <pre>{ "failureThreshold": 3, "initialDelaySeconds": 5, "successThreshold": 1, "timeoutSeconds": 1, "httpGet": { "path": "/consumer", "port": 8080, "scheme": "HTTP", "httpHeaders": [{ "name": "test", "value": "testvalue" }] } }</pre>
postStart	String	No	Post-start script, format: <pre>{ "exec": { "command": ["cat", "/etc/group"] } }</pre>
preStop	String	No	Pre-stop script, format: <pre>{ "tcpSocket": { "host": "", "port": 8080 } }</pre>
nasId	String	No	ID of the mounted NAS, which must be in the same region as the Kubernetes cluster. The quota for creating an NAS mount point must be available or an NAS mount point is deployed on the switch in VPC. If this parameter is not set and the mountDescs field is available, EDAS automatically buys an NAS and mounts it to the switch in VPC.
mountDescs	String	No	Mount configuration description, which is a serialized string in JSON array format, for example, <pre>[{ "nasPath": "/k8s", "mountPath":</pre>

			"/mnt"}, {"nasPath": "/files", "mountPath": "/app/files"}]. Where, <i>nasPath</i> indicates the file storage path and <i>mountPath</i> indicates the mount path to the container.
storageType	String	No	SSD supported only, Performance.
localvolume	String	No	Configuration for mounting host files to the container, for example, [{"type": "", "nodePath": "/localfiles", "mountPath": "/app/files"}, {"type": "Directory", "nodePath": "/mnt", "mountPath": "/app/storage"}]. Where, <i>nodePath</i> indicates the host path, <i>mountPath</i> indicates the mount path to the container, and <i>type</i> indicates the mount type. For more information, see Host storage type description.

NOTE: The request parameters are case sensitive.

Response parameters

	Parameter	Type	Description
RequestId	String	Unique request ID	
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Call the <code>GetChangeOrderInfoRequest</code> API to display the deployment progress.	

ImportK8sCluster

Function

Import a Kubernetes cluster of Container Service.

Request URL

/pop/v5/import_k8s_cluster

Request method

POST

Request parameters

Parameter	Type	Required	Description
ClusterId	String	Yes	Cluster ID

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
Data	String	"Success"

InsertK8sApplication

Function

Create a Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/create_k8s_app

Request method

POST

Request parameters

Parameter	Type	Required	Description
AppName	String	Yes	Application name The value can contain numbers, letters, and underscores (_). It starts with a letter and contains up to 36 characters.
ClusterId	String	Yes	Cluster ID
Replicas	Integer	Yes	Number of application instances
ImageUrl	String	Yes	Image address, for example, registry.cn-beijing.aliyuncs.com/edas_test1/edas-consumer:1.0
RepoId	String	No	Image repoId
ApplicationDescription	String	No	Application description
RequestsCpu	Integer	No	CPU limit for the application instance when the application is created, in unit of cores.
RequestsMem	Integer	No	Memory limit for the application instance when the application is created, in unit of MB.
LimitCpu	Integer	No	CPU limit for the application instance when the application is running, in unit of cores.

LimitMem	Integer	No	Memory limit for the application instance when the application is running, in unit of MB.
Command	String	No	Command that you set. If this parameter is set, it overwrites the startup command in the image when the image is started.
CommandArgs	String	No	This parameter is used with commands, which must be a string in JSON array format, for example, [{"argument": "-c"}, {"argument": "test"}]. Where, <i>-c</i> and <i>test</i> are required parameters.
IntranetSlbId	String	No	ID of the intranet-based SLB instance. If this parameter is not set, EDAS automatically buys an SLB instance for you.
IntranetSlbProtocol	String	No	Protocol for the intranet-based SLB instance. The parameter value can be "TCP" only.
IntranetSlbPort	Integer	No	Frontend port of the intranet-based SLB instance. The value ranges from 1 to 65535.
IntranetTargetPort	Integer	No	Backend port of the intranet-based SLB instance, and also the service port of the application. The value ranges from 1 to 65535.
InternetSlbId	String	No	ID of the Internet-based SLB instance. If this parameter is not set, EDAS automatically buys

			an SLB instance for you.
InternetSlbProtocol	String	No	Protocol for the Internet-based SLB instance. The parameter value can be "TCP" only.
InternetSlbPort	Integer	No	Frontend port of the Internet-based SLB instance. The value ranges from 1 to 65535.
InternetTargetPort	Integer	No	Backend port of the Internet-based SLB instance, and also the service port of the application. The value ranges from 1 to 65535.
Envs	String	No	Container environment variable, which must be a string in JSON array format, for example, [{"name":"testkey","value":"testValue"}]
liveness	String	No	Container liveness status monitoring, format:{"failureThreshold":3,"initialDelaySeconds":5,"successThreshold":1,"timeoutSeconds":1,"tcpSocket":{"host":"","port":8080}}
readiness	String	No	Container readiness status check. If the check fails, the traffic passing through the Kubernetes service is not transmitted to the container. The parameter is in the format of {"failureThreshold":3,"initialDelaySeconds":5,"successThreshold":1,"timeoutSeconds":1,"tcpSocket":{"host":"","port":8080}}

			1,"httpGet":{"path":"/consumer","port":8080,"scheme":"HTTP","httpHeaders":[{"name":"test","value":"testvalue"}]}.
postStart	String	No	Post-start script, format: {"exec":{"command":["cat","/etc/group"]}}
preStop	String	No	Pre-stop script, format: {"tcpSocket":{"host":"","port":8080}}
namespace	String	No	Namespace of the Kubernetes cluster, which determines the deployment location of your application. Default value: default.
nasId	String	No	ID of the mounted NAS, which must be in the same region as the Kubernetes cluster. The quota for creating an NAS mount point must be available or an NAS mount point is deployed on the switch in VPC. If this parameter is not set and the mountDescs field is available, EDAS automatically buys an NAS and mounts it to the switch in VPC.
mountDescs	String	No	Mount configuration description, which is a serialized string in JSON array format, for example, [{"nasPath":"/k8s","mountPath":"/mnt"},{"nasPath":"/files","mountPath":"/app/files"}]. Where, <i>nasPath</i> indicates the file storage path and <i>mountPath</i> indicates the mount path to

			the container.
storageType	String	No	SSD supported only, Performance.
localvolume	String	No	Configuration for mounting host files to the container, for example, [{"type":"","nodePath":"/localfiles","mountPath":"/app/files"}, {"type":"Directory","nodePath":"/mnt","mountPath":"/app/storage"}]. Where, <i>nodePath</i> indicates the host path, <i>mountPath</i> indicates the mount path to the container, and <i>type</i> indicates the mount type. For more information, see Host storage type description.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ApplicationInfo	ApplicationInfo	Application details

ApplicationInfo

Parameter (Internet)	Type	Description
AppName	String	Application ID
AppId	String	Application name
RegionId	String	Region ID
EdasId	String	User ID
Owner	String	Application creator
Dockerize	Boolean	Indicates whether the application is a Docker application
ChangeOrderId	Integer	Change process ID
ClusterType	Integer	Environmental type of the

		application cluster. 0: Common Docker cluster 1: Swarm cluster 2: ECS cluster 3: Kubernetes cluster 4: Automatically registered Pandora cluster 5: Kubernetes cluster (based on Container Service)
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ScaleK8sApplicationRequest

Function

Scale up or deprecate an application instance in the Kubernetes cluster of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_apps

Request method

PUT

Request parameters

Parameter	Type	Required?	Description
AppId	String	Yes	Application ID, which can be obtained by the ListApplicationRequest API
Replicas	Integer	Yes	Number of application instances to be scaled up or retained. The minimum value is 0.

Response parameters

	Parameter	Type	Description
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			ipt io n
RequestId	String	Unique request ID	
Code	Integer	Code	
Message	String	Message	
ChangeOrderId	String	Publication order ID. Call the GetChangeOrderInfoRequest API to display the scale-up or deprecation progress.	

UpdateK8sApplicationConfig

Function

Set a Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_app_configuration

Request method

PUT

Request parameters

Parameter	Type	Required	Description
AppId	String	Yes	Application ID
ClusterId	String	Yes	Cluster ID
CpuLimit	String	Yes	CPU limit for the application instance when the application is running, in unit of cores.
MemoryLimit	String	Yes	Memory limit for the

			application instance when the application is running, in unit of MB.
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Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderId	String	Publication order ID

UpdateK8sSlb

Function

Update the SLB instance for the Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_slb_binding

Request method

PUT

Request parameters

Parameter	Type	Required	Description
AppId	String	Yes	Application ID
ClusterId	String	Yes	Cluster ID
Type	String	Yes	Type of the SLB instance. This parameter can be set to internet for Internet-based SLB instances and intranet for intranet-

			based SLB instances.
SlbProtocol	String	Yes	SLB instance protocol. The parameter value can be "TCP" only.
Port	String	Yes	Frontend port. The value ranges from 1 to 65535.
TargetPort	String	Yes	Backend port, and also the service port of the application. The value ranges from 1 to 65535.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderId	String	Change process ID

UnbindK8sSlb

Function

Unbind an SLB instance for the Kubernetes application of Container Service.

Request URL

/pop/v5/k8s/acs/k8s_slb_binding

Request method

DELETE

Request parameters

Parameter	Type	Required	Description
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AppId	String	Yes	Application ID
ClusterId	String	Yes	Cluster ID
Type	String	Yes	Type of the SLB instance. This parameter can be set to internet for Internet-based SLB instances and intranet for intranet-based SLB instances.

Response parameters

Parameter	Type	Description
Code	Integer	Code
Message	String	Message
ChangeOrderId	String	Change process ID

Error list

Code 200 is returned when an OpenAPI of EDAS is successfully called. If a call fails, an error code and message are returned.

Error code	Description
601	Transaction exception typically caused by parameter verification failure. To identify the exact cause, see the message in the response.
401	The sub-account that corresponds to the Access Key ID used by the request does not have the permission to call the API. To fix it, use the primary account to authorize the sub-account.
403	Request denied
404	Requested API not found