Alibaba Cloud

CloudConfig
Product Introduction

ALIBABA CLOUD

C-D Alibaba Cloud

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Document conventions

Style	Description	Example
⚠ Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	⚠ **Danger:** Resetting will result in the loss of user configuration data.
🔔 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	🔔 **Warning:** Restarting will cause business interruption. About 10 minutes are required to restart an instance.
🔊 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	🔊 **Notice:** If the weight is set to 0, the server no longer receives new requests.
⑦ Note	A note indicates supplemental instructions, best practices, tips, and other content.	⑦ **Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings> Network> Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK**.
Courier font	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

Table of Contents

1.What is Cloud Config?

Cloud Config is a specialized service for evaluating resources. Cloud Config tracks configuration changes of your resources and evaluates configuration compliance. Cloud Config can help you evaluate numerous resources and maintain the continuous compliance of your cloud infrastructure.

Architecture

The following figure shows the architecture of Cloud Config.

Features

Feature	Description
Manage the monitoring scope	Cloud Config monitors the changes of resources within your account, tracks configuration changes, and evaluates configuration compliance in real time. You can configure the scope of resources to monitor in the Cloud Config console. If you select All Supported Resource Types, new resource types that are supported by Cloud Config are automatically added to the monitoring scope. If you select Custom Resource Types, new resource types are not automatically added to the monitoring scope.
Manage resources	After you activate Cloud Config, you can view your resources in different regions. You can filter resources. This allows you to query the configuration details of a specified resource. You can also go to the corresponding cloud service console from the Cloud Config console to manage the resource.
View the compliance timeline of a resource	Cloud Config records each configuration change of a monitored resource and displays the configuration changes over time in a configuration timeline. You can view the configuration changes and the details of related events.
Evaluate resource compliance	Cloud Config can monitor resources based on managed rules and custom rules. After you configure rules, you can view the compliance results and compliance timeline of each resource. You can also re-evaluate the non-compliant resources. You can edit, disable, or delete the rules that do not meet your requirements.
Subscribe to resource events	You can subscribe to configuration change events and non-compliance events of resources. You can also deliver these events to other cloud services at the earliest opportunity.
Remediate non-compliant resources	You can specify a remediation template for a rule. If a resource is evaluated as non-compliant based on a rule, Cloud Config remediates the resource based on your settings.
Store resource configuration snapshots to OSS buckets	After you specify an Object Storage Service (OSS) bucket, Cloud Config stores the configuration snapshots as objects to the OSS bucket.
Store resource logs to Log Service	After you specify a Log Service project, Cloud Config stores the resource change data as logs to Log Service.

Feature	Description
Perform classified protection precheck	The classified protection precheck feature of Cloud Config monitors and evaluates your Alibaba Cloud resources in a continuous manner. You can view the compliance evaluation result in real time and remediate non-compliant resources. This simplifies the procedure of an official assessment.

Benefits

Cloud Config provides the following benefits:

- Aggregated resources across multiple regions: Cloud Config provides a list of resources in different regions and allows you to find a resource by searching or filtering.

- Configuration change tracking based on operations logs: Cloud Config creates a configuration snapshot for each configuration change and tracks the operation that triggers the changes. If a non-compliant event occurs, you can locate the change that results in the event. This simplifies the troubleshooting process.

- Continuous compliance evaluation: Cloud Config tracks configuration changes of resources and evaluates configuration compliance. This automates the compliance review process.

- Classified protection precheck: Cloud Config provides rules based on the specifications in Multi-Level Protection Scheme (MLPS) 2.0 and uses the rules to evaluate the compliance of resources. You can enable the classified protection precheck feature with a few clicks.

Usage notes

Before you use Cloud Config, you must note the following information:

- Some of your resources may not be displayed in the resource list because Cloud Config does not support those Alibaba Cloud services. If you set the monitoring scope to All Supported Resource Types, a new resource type is automatically added to the monitoring scope after Cloud Config supports the resource type. You can manually remove the resource type from the monitoring scope.

- Cloud Config detects configuration changes at 10-minute intervals. If a change occurs in an interval and is restored to the original state within the interval, Cloud Config cannot detect the change.

- Data accuracy is not guaranteed when Cloud Config is in public preview. If the resource list, configuration details, or evaluation results displayed in Cloud Config are not as expected, or you have other requirements such as support for new resource types, submit a ticket.

2.Scenarios

Cloud Config can monitor large amounts of resources and evaluate the configuration compliance of these resources. Cloud Config allows you to monitor resources in multiple scenarios.

Centralized resource management

Cloud Config aggregates resources in different regions to accelerate the query of resources, and records the configuration snapshots of the resources. This allows you to manage your resources across regions in a centralized manner. After you activate Cloud Config, you can view your resources in different regions. You can also filter a resource and view its configuration snapshots.

> ⑦ **Note**   Some of your resources may not be displayed in the resource list because Cloud Config does not support those Alibaba Cloud services. However, Cloud Config will support more Alibaba Cloud services and display more resources in the future.

Compliance evaluation configuration

After you activate Cloud Config, you can configure rules and apply them to specified resource types. You can use managed rules in Cloud Config or create custom rules.

When the resource configurations of a specified type changes, the rules that are applied to the resource type are triggered to evaluate the compliance of the configurations.

Configuration change tracking and non-compliance review

After you activate Cloud Config, Cloud Config detects configuration changes of your resources every 10 minutes. You can view the configuration changes of each resource.

Cloud Config is integrated with ActionTrail. You can view the events that result in each configuration change. This allows you to track the time when a configuration error occurred and view the relevant operations log. This way, you can locate and view non-compliance issues.

3.Terms

This topic describes the terms involved in Cloud Config.

Term	Description
resource type	A resource type is a category of resources. For example, the resource type of Elastic Compute Service (ECS) instances is Instance. Resources can be divided into the following types: • Instances, such as compute instances and storage instances • Management elements of application services, such as workspaces and workflows • Management resources related to permissions, such as roles and policies
resource configurations	Cloud Config retrieves all your resources by using the APIs of Alibaba Cloud services. In a resource list, you can click a resource ID to view the configurations of the resource. You can also manage the resource in the Alibaba Cloud Management Console.
monitoring scope	You can configure the monitoring scope of Cloud Config by specifying the types of resources to be monitored. • If a resource type is added to the monitoring scope, Cloud Config tracks your resources of this type and records the configuration changes every 10 minutes. • If a resource type is removed from the monitoring scope, Cloud Config does not record the configuration changes to the resources of this type.

rule	A rule is a function that is used to determine whether a resource configuration is compliant. Cloud Config runs rule code by using functions of Function Compute. Assume that a rule is applied to a resource type in Cloud Config. If the configurations of a resource of this type change, Cloud Config re-evaluates the resource based on the rule and checks whether the configuration is compliant. Cloud Config can also trigger rules at a specified time to periodically evaluate the compliance of all resources. The rules in Cloud Config are divided into the following categories:
	
	• Managed rules
	
	  For more information, see Managed rules.
	
	• Custom rules
	
	  You can use Function Compute to create a rule. Before you can create a rule, you must create a function in the Function Compute console. Then, you can select the function ARN in the Cloud Config console. For more information, see Custom rule functions.

Term	Description
configuration timeline	Cloud Config provides a configuration timeline for each monitored resource. • If a resource was created before you activate Cloud Config, the configuration timeline starts from the time when you activate Cloud Config. • If a resource is created after you activate Cloud Config, the configuration timeline starts from the time when the resource is created. Cloud Config detects configuration changes every 10 minutes. If resource configuration changes at a point in time, a node is generated on the configuration timeline. You can then view the basic information, configuration changes, and related operations of the resource.
compliance timeline	Cloud Config evaluates resources based on rules. A compliance record is generated when a rule is triggered. Cloud Config displays the compliance records over time in a compliance timeline. The compliance records that are displayed in the compliance timeline depend on the trigger type. • If the trigger type is Periodic, the compliance timeline displays the records of periodical compliance evaluations. • If the trigger type is Configuration Changes, the compliance timeline displays the records of compliance evaluations of every configuration change. • If both trigger types are selected, the compliance timeline displays the compliance records of both types.
classified protection precheck	The classified protection precheck feature of Cloud Config monitors and evaluates your Alibaba Cloud resources in a continuous manner. You can view the compliance evaluation result in real time and remediate non-compliant resources. This simplifies the procedure of an official assessment. For more information, see What is MLPS 2.0?.
CIS	The Center for Internet Security (CIS) is a community of organizations and individuals that want actionable security resources. The CIS Controls are a set of 20 control points or objectives designed to help enterprises safeguard their systems and data.
resource directory	Resource Directory allows you to manage the relationships among multiple levels of accounts used by your enterprise.
management account	A management account is used to enable a resource directory and is the super administrator of the resource directory. The management account has all administrative permissions on the resource directory and the member accounts in the resource directory. Only an Alibaba Cloud account that has passed enterprise real-name verification can be used as a management account. Each resource directory has only one management account. ⑦ Note An enterprise management account does not belong to a resource directory and is not limited by the management policies of a resource directory.

Term	Description
member account	A member account serves as a container for resources and is also an organizational unit in a resource directory. A member account indicates a project or an application. The resources of different member accounts are isolated. You can use a management account to authorize RAM users, user groups, or roles to access the resources of member accounts. You can use a management account to invite a member account to join the resource directory or create a member account in the resource directory.
account group	An account group is a collection of member accounts. In a resource directory, the management account can add all or some member accounts to an account group for centralized compliance management. An account group is also a resource pool formed by gathering resources from multiple member accounts. The management account can view the resource lists, resource details, resource configuration timelines, resource compliance timelines, and associated resources of all member accounts in the account group. The management account can also create rules and compliance packages in the account group. These rules and compliance packages take effect on resources of all member accounts in the account group for continuous compliance evaluation.

4.Limits

This topic describes the limits in Cloud Config.

Item	Upper limit
Maximum number of rules allowed for an ordinary account or a management account	200
Maximum number of Log Service projects allowed for an ordinary account or a management account	1
Maximum number of Log Service Logstores allowed for an ordinary account or a management account	1
Maximum number of Object Storage Service (OSS) buckets allowed for an ordinary account or a management account	1
Maximum number of Message Service (MNS) topics allowed for an ordinary account or a management account	1
Maximum number of account groups allowed for a management account	5
Maximum number of member accounts allowed in an account group	200

⑦ Note
- RAM用户、用户组或RAM角色可以绑定的策略个数与授权范围无关，即单个资源组内授权与整个云账号内授权的策略额度是相同的，彼此独立，不会互相占用。
- 本文仅展示了各限制项的默认配额。对于可以调整配额的限制项，您可以前往配额中心申请提升配额。配额中心现已支持多个云产品，请参见配额中心支持的云产品。

5.Alibaba Cloud services that are supported by Cloud Config

This topic describes the Alibaba Cloud services and resource types that are supported by Cloud Config.

Alibaba Cloud service	Resource type	Relationship	Related resource
Elastic Compute Service (ECS)	ECS instance (ACS::ECS::Instance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Associate	ECS security group (ACS::ECS::SecurityGroup)
		Mount	ECS disk (ACS::ECS::Disk)
		Contain	ECS elastic network interface (ENI) (ACS::ECS::NetworkInterface)
		Mount	EIP (ACS::EIP::EipAddress)
		Contained	ECS dedicated host (ACS::ECS::DedicatedHost)
	ECS ENI (ACS::ECS::NetworkInterface)	Contained	ECS instance (ACS::ECS::Instance)
		Associate	ECS security group (ACS::ECS::SecurityGroup)
		Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Mount	EIP (ACS::EIP::EipAddress)
	ECS security group (ACS::ECS::SecurityGroup)	Mount	VPC (ACS::VPC::VPC)
		Associate	Scaling configuration (ACS::ESS::ScalingConfiguration)
		Associate	ECS instance (ACS::ECS::Instance)
		Associate	ECS ENI (ACS::ECS::NetworkInterface)
		Associate	ACK cluster (ACS::ACK::Cluster)
		Associate	Bastionhost instance (ACS::Bastionhost::Instance)

Alibaba Cloud service	Resource type	Relationship	Related resource
		Associate	Endpoint (ACS::PrivateLink::VpcEndpoint)
	ECS disk (ACS::ECS::Disk)	Mount	ECS instance (ACS::ECS::Instance)
		Mount	ECS automatic snapshot policy (ACS::ECS::AutoSnapshotPolicy)
		Associate	KMS customer master key (CMK) (ACS::KMS::Key)
	ECS automatic snapshot policy (ACS::ECS::AutoSnapshotPolicy)	Mount	ECS disk (ACS::ECS::Disk)
		Mount	NAS file system (ACS::NAS::FileSystem)
	ECS dedicated host (ACS::ECS::DedicatedHost)	Contain	ECS instance (ACS::ECS::Instance)
	ECS Cloud Assistant command (ACS::ECS::Command)	N/A	N/A
	ECS instance launch template (ACS::ECS::LaunchTemplate)	N/A	N/A
		Contain	Scaling group (ACS::ESS::ScalingGroup)
		Mount	VPN gateway (ACS::VPN::VpnGateway)
		Contain	ECS instance (ACS::ECS::Instance)
		Mount	ECS security group (ACS::ECS::SecurityGroup)
		Contain	ECS ENI (ACS::ECS::NetworkInterface)
		Contain	ACK cluster (ACS::ACK::Cluster)
		Contain	Logstash instance (ACS::Elasticsearch::Logstash)
		Contain	Elasticsearch instance (ACS::Elasticsearch::Instance)
		Contain	Bastionhost instance (ACS::Bastionhost::Instance)

Alibaba Cloud service	Resource type	Relationship	Related resource
Virtual Private Cloud (VPC)	VPC (ACS::VPC::VPC)	Contain	Endpoint (ACS::PrivateLink::VpcEndpoint)
		Contain	TSDB instance (ACS::TSDB::Instance)
		Contain	RDS instance (ACS::RDS::DBInstance)
		Contain	SLB (ACS::SLB::LoadBalancer)
		Contain	PolarDB cluster (ACS::PolarDB::DBCluster)
		Contain	Redis instance (ACS::Redis::DBInstance)
		Contain	MongoDB instance (ACS::MongoDB::DBInstance)
		Contain	HBase cluster (ACS::HBase::Cluster)
		Contain	VPC route table (ACS::VPC::RouteTable)
		Contain	NAT gateway (ACS::NAT::NATGateway)
		Contain	vSwitch (ACS::VPC::Vswitch)
		Mount	VPC route table (ACS::VPC::RouteTable)
		Contained	VPC (ACS::VPC::VPC)
		Contain	ACK cluster (ACS::ACK::Cluster)
		Contain	Logstash instance (ACS::Elasticsearch::Logstash)
		Contain	Elasticsearch instance (ACS::Elasticsearch::Instance)
		Contain	Bastionhost instance (ACS::Bastionhost::Instance)
		Contain	TSDB instance (ACS::TSDB::Instance)

Alibaba Cloud service	Resource type	Relationship	Related resource
	vSwitch (ACS::VPC::Vswitch)	Contain	Scaling group (ACS::ESS::ScalingGroup)
		Mount	VPN gateway (ACS::VPN::VpnGateway)
		Contain	MongoDB instance (ACS::MongoDB::DBInstance)
		Contain	HBase cluster (ACS::HBase::Cluster)
		Contain	Redis instance (ACS::Redis::DBInstance)
		Contain	PolarDB cluster (ACS::PolarDB::DBCluster)
		Contain	RDS instance (ACS::RDS::DBInstance)
		Contain	SLB (ACS::SLB::LoadBalancer)
		Contain	ECS ENI (ACS::ECS::NetworkInterface)
		Contain	ECS instance (ACS::ECS::Instance)
	VPC route table (ACS::VPC::RouteTable)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
ApsaraDB RDS	RDS instance (ACS::RDS::DBInstance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Contained	Scaling group (ACS::ESS::ScalingGroup)
Server Load Balancer (SLB)	SLB (ACS::SLB::LoadBalancer)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Mount	EIP (ACS::EIP::EipAddress)
		Contained	Scaling group (ACS::ESS::ScalingGroup)
	CA certificate (ACS::SLB::CACertificate)	N/A	N/A

Alibaba Cloud service	Resource type	Relationship	Related resource
	Server certificate (ACS::SLB::ServerCertificate)	N/A	N/A
	Access control list (ACS::SLB::AccessControlList)	N/A	N/A
PolarDB	PolarDB cluster (ACS::PolarDB::DBCluster)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
ApsaraDB for Redis	Redis instance (ACS::Redis::DBInstance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
ApsaraDB for MongoDB	MongoDB instance (ACS::MongoDB::DBInstance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
ApsaraDB for HBase	HBase cluster (ACS::HBase::Cluster)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
Elastic IP Address (EIP)	EIP (ACS::EIP::EipAddress)	Mount	EIP bandwidth plan (ACS::CBWP::CommonBandwidthPackage)
		Mount	ECS instance (ACS::ECS::Instance)
		Mount	ECS ENI (ACS::ECS::NetworkInterface)
		Mount	NAT gateway (ACS::NAT::NATGateway)
		Mount	SLB (ACS::SLB::LoadBalancer)
Container Service for Kubernetes (ACK)	ACK cluster (ACS::ACK::Cluster)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Associate	ECS security group (ACS::ECS::SecurityGroup)
	Scaling configuration (ACS::ESS::ScalingConfiguration)	Associate	ECS security group (ACS::ECS::SecurityGroup)
		Associate	Scaling group (ACS::ESS::ScalingGroup)
		Contain	SLB (ACS::SLB::LoadBalancer)

Alibaba Cloud service	Resource type	Relationship	Related resource
Auto Scaling (ESS)	Scaling group (ACS::ESS::ScalingGroup)	Contained	VPC (ACS::VPC::VPC)
		Contain	RDS instance (ACS::RDS::DBInstance)
		Contained	vSwitch (ACS::VPC::Vswitch)
		Associate	Scaling rule (ACS::ESS::ScalingRule)
		Associate	Scaling configuration (ACS::ESS::ScalingConfiguration)
	Scaling rule (ACS::ESS::ScalingRule)	Associate	Scaling group (ACS::ESS::ScalingGroup)
VPN Gateway	VPN gateway (ACS::VPN::VpnGateway)	Mount	IPsec-VPN connection (ACS::VPN::VpnConnection)
		Mount	VPC (ACS::VPC::VPC)
		Mount	vSwitch (ACS::VPC::Vswitch)
	IPsec-VPN connection (ACS::VPN::VpnConnection)	Mount	VPN gateway (ACS::VPN::VpnGateway)
		Mount	VPN customer gateway (ACS::VPN::CustomerGateway)
	VPN customer gateway (ACS::VPN::CustomerGateway)	Mount	IPsec-VPN connection (ACS::VPN::VpnConnection)
Cloud Enterprise Network (CEN)	CEN instance (ACS::CEN::CenInstance)	Mount	CEN flow log (ACS::CEN::Flowlog)
		Mount	CEN bandwidth plan (ACS::CEN::CenBandwidthPackage)
	CEN flow log (ACS::CEN::Flowlog)	Mount	CEN instance (ACS::CEN::CenInstance)
	CEN bandwidth plan (ACS::CEN::CenBandwidthPackage)	Mount	CEN instance (ACS::CEN::CenInstance)
Web Application Firewall (WAF)	WAF instance (ACS::WAF::Instance)	Contain	WAF domain name (ACS::WAF::Domain)
	WAF domain name (ACS::WAF::Domain)	Contained	WAF instance (ACS::WAF::Instance)
NAT Gateway	NAT gateway (ACS::NAT::NATGateway)	Contained	VPC (ACS::VPC::VPC)
		Mount	EIP (ACS::EIP::EipAddress)

Alibaba Cloud service	Resource type	Relationship	Related resource
Alibaba Cloud Elasticsearch	Logstash instance (ACS::Elasticsearch::Logstash)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
	Elasticsearch instance (ACS::Elasticsearch::Instance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
Bastionhost	Bastionhost instance (ACS::Bastionhost::Instance)	Associate	ECS security group (ACS::ECS::SecurityGroup)
		Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
Message Queue	RocketMQ consumer group (ACS::Ons::Group)	Contained	RocketMQ instance (ACS::Ons::Instance)
	RocketMQ topic (ACS::Ons::Topic)	Contained	RocketMQ instance (ACS::Ons::Instance)
	RocketMQ instance (ACS::Ons::Instance)	Contain	RocketMQ consumer group (ACS::Ons::Group)
		Contain	RocketMQ topic (ACS::Ons::Topic)
PrivateLink	Endpoint (ACS::PrivateLink::VpcEndpoint)	Associate	ECS security group (ACS::ECS::SecurityGroup)
		Contained	Endpoint service (ACS::PrivateLink::VpcEndpointService)
		Contained	VPC (ACS::VPC::VPC)
	Endpoint service (ACS::PrivateLink::VpcEndpointService)	Contain	Endpoint (ACS::PrivateLink::VpcEndpoint)
Time Series Database (TSDB)	TSDB instance (ACS::TSDB::Instance)	Contained	VPC (ACS::VPC::VPC)
		Contained	vSwitch (ACS::VPC::Vswitch)
EIP Bandwidth Plan	EIP bandwidth plan (ACS::CBWP::CommonBandwidthPackage)	Mount	EIP (ACS::EIP::EipAddress)
Apsara File Storage NAS	NAS file system (ACS::NAS::FileSystem)	Mount	ECS automatic snapshot policy (ACS::ECS::AutoSnapshotPolicy)

Alibaba Cloud service	Resource type	Relationship	Related resource
Key Management Service (KMS)	KMS CMK (ACS::KMS::Key)	Associate	ECS disk (ACS::ECS::Disk)
Resource Access Management (RAM)	RAM role (ACS::RAM::Role)	N/A	N/A
	RAM policy (ACS::RAM::Policy)	N/A	N/A
	RAM user (ACS::RAM::User)	N/A	N/A
	RAM user group (ACS::RAM::Group)	N/A	N/A
Alibaba Cloud Content Delivery Network (CDN)	CDN domain name (ACS::CDN::Domain)	N/A	N/A
Object Storage Service (OSS)	OSS bucket (ACS::OSS::Bucket)	N/A	N/A
Anti-DDoS Pro and Anti-DDoS Premium	Anti-DDoS instance (ACS::DdosCoo::Instance)	N/A	N/A
Apsara File Storage NAS	NAS file system (ACS::NAS::FileSystem)	N/A	N/A
	NAS mount target (ACS::NAS::MountTarget)	N/A	N/A
	NAS permission group (ACS::NAS::AccessGroup)	N/A	N/A
Message Queue	Message Queue instance (ACS::MQ::Instance)	N/A	N/A
Resource Management	Resource group (ACS::RM::ResourceGroup)	N/A	N/A
Alibaba Cloud DNS (DNS)	DNS instance (ACS::DNS::Instance)	N/A	N/A
	Domain name group (ACS::DNS::DomainGroup)	N/A	N/A
	Domain name (ACS::DNS::Domain)	N/A	N/A
Microservice Engine (MSE)	MSE cluster (ACS::MSE::Cluster)	N/A	N/A

Alibaba Cloud service	Resource type	Relationship	Related resource
Operation Orchestration Service (OOS)	Application list (ACS::OOS::Inventory.Application)	N/A	N/A
	File list (ACS::OOS::Inventory.File)	N/A	N/A
	Instance details (ACS::OOS::Inventory.InstanceInformation)	N/A	N/A
	Network configurations (ACS::OOS::Inventory.Network)	N/A	N/A
	Service list (ACS::OOS::Inventory.Service)	N/A	N/A
	Windows registry list (ACS::OOS::Inventory.WindowsRegistry)	N/A	N/A
	Windows role list (ACS::OOS::Inventory.WindowsRole)	N/A	N/A
	Windows update list (ACS::OOS::Inventory.WindowsUpdate)	N/A	N/A
Resource Orchestration Service (ROS)	ROS stack (ACS::ROS::Stack)	N/A	N/A
	ROS stack group (ACS::ROS::StackGroup)	N/A	N/A

6.Differences between ordinary accounts, member accounts, and management accounts

This topic describes the differences between ordinary accounts, member accounts, and management accounts.

The following table describes the differences between ordinary accounts, member accounts, and management accounts.

Item	Ordinary account	Member account	Management account
Account attributes	An ordinary account is an independent Alibaba Cloud account that is not included in a resource directory by a management account.	A member account is an Alibaba Cloud account that is included in a resource directory by a management account.	A management account is an Alibaba Cloud account that enables a resource directory and manages all member accounts.
Console pages	On the **Overview**, **Resources**, **Compliance Package**, and **Rules** pages, you can view the resources, compliance packages, and rules within the current account by default.	On the **Overview**, **Resources**, **Compliance Package**, and **Rules** pages, you can view the **Current Account** tab and the tab of the account group to which the current account belongs.	On the **Overview**, **Resources**, **Compliance Package**, and **Rules** pages, you can view the **Current Account** tab and the tabs of all the account groups.
Resources	You can view the resources within the current account, and the configuration timeline and compliance timeline of each resource.	You can view only the resources within the current account, and the configuration timeline and compliance timeline of each resource.	You can view the resources within the current account and the member accounts in all account groups, and the configuration timeline and compliance timeline of each resource.

Item	Ordinary account	Member account	Management account
Compliance packages	You can create, modify, delete, or view the compliance packages within the current account. You can also download compliance evaluation reports.	If a member account is added to an account group, the **Current Account** tab and the tab of the account group to which the member account belongs are displayed. • On the **Current Account** tab, you can create, modify, delete, or view the compliance packages within the current account. You can also download compliance evaluation reports. The compliance packages take effect only on the current member account. • The compliance packages created by the management account in the account group take effect on the current member account. On the tab of the account group to which the member account belongs, you cannot perform operations on the compliance packages. You can only view compliance packages or compliance evaluation results.	You can create, modify, delete, or view compliance packages within the current account and the member accounts in all account groups. You can also download compliance evaluation reports.

Item	Ordinary account	Member account	Management account
Rules	You can create, modify, delete, enable, disable, or view rules. You can also download compliance evaluation reports.	If a member account is added to an account group, the **Current Account** tab and the tab of the account group to which the member account belongs are displayed. • On the **Current Account** tab, you can create, modify, delete, enable, disable, or view rules. You can also download compliance evaluation reports. The rules take effect only on the current member account. • The rules created by the management account in the account group take effect on the current member account. On the tab of the account group to which the member account belongs, you cannot perform operations on the rules. You can only view rules or compliance evaluation results.	You can create, modify, delete, enable, disable, or view rules within the current account and the member accounts in all account groups. You can also download compliance evaluation reports.
Account groups	You cannot create, modify, delete, or view account groups.	You cannot create, modify, delete, or view account groups. This type of account exists only as a member account in an account group.	You can create, modify, delete, or view account groups.
Service-linked role for Cloud Config	When you grant permissions on Cloud Config, a service-linked role for Cloud Config is automatically created.	If no member accounts have created a service-linked role for Cloud Config, a service-linked role is automatically created when the management account creates an account group. All the member accounts in the account group can use the service-linked role.	When you grant permissions on Cloud Config, a service-linked role for Cloud Config is automatically created.

Item	Ordinary account	Member account	Management account
Delivery methods of resource data and notification methods of resource events	You can customize the delivery methods of resource data and notification methods of resource events for the current account.	You cannot modify the delivery methods of resource data and notification methods of resource events for the current account. You must follow the configurations of the management account.	You can customize the delivery methods of resource data and notification methods of resource events for the management account and the member accounts in all account groups.