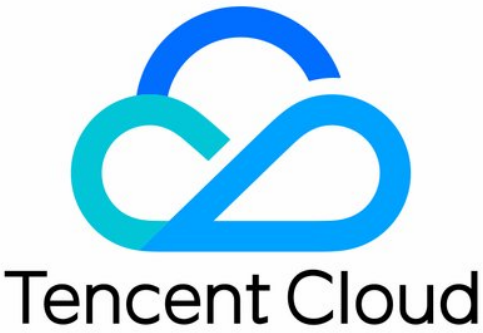
Config

Operation Guide

Product Documentation



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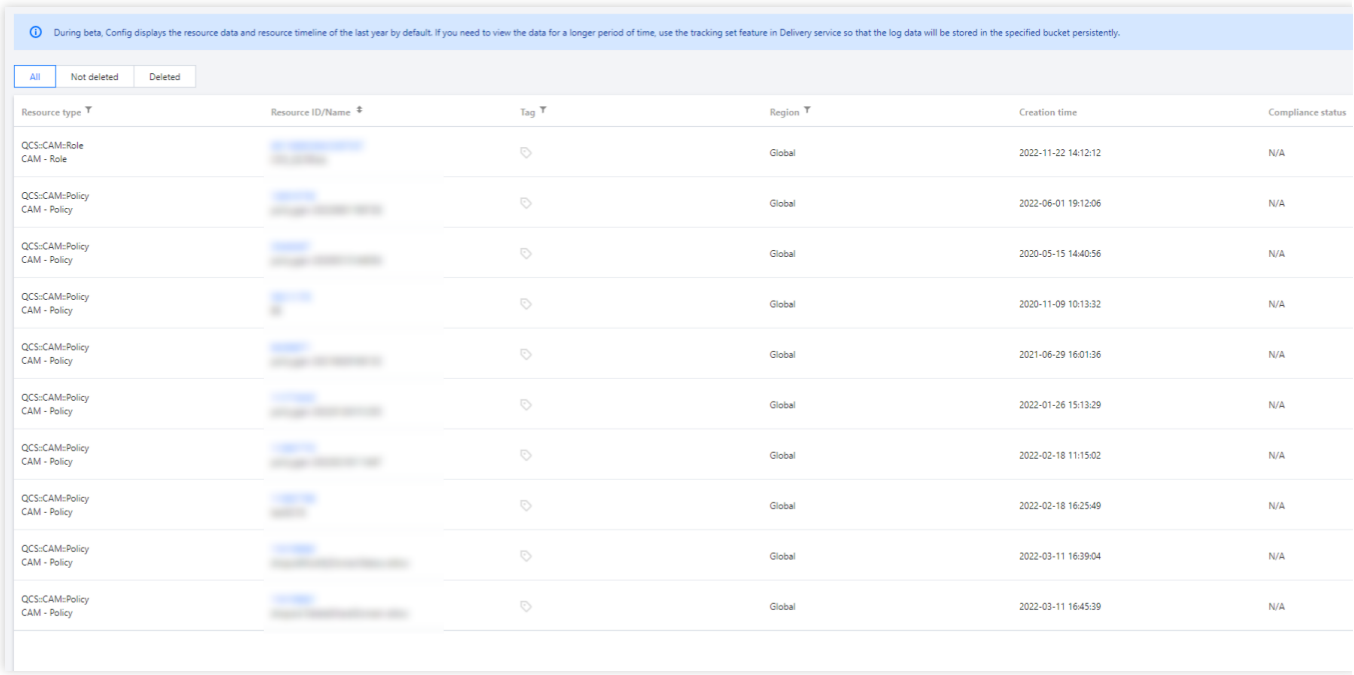
Operation Guide
Resources
Viewing Resource List

Last updated：2024-03-04 14:13:25

1. You can log in to the Config console, and click **Resource** in the left sidebar to view the latest resource list updated by Config.



2. All resources support cross-regional search. You can search for resources by fields such as resource ID, resource name, resource type, resource status, tag, and region.

Note:

To facilitate viewing, for CAM policies (QCS::CAM::Policy), only custom policies are displayed in the resource list while predefined policies are not.

3. You can click the **resource name** in the resource list to go to the **Resource Details** page for the detailed information about the resource.You can click **Manage Resources** to go to the corresponding page for further resource management. You can also click **Resource Timeline** to go to the resource timeline page for configuration change records of the resource.

4. You can click the **resource name** in the resource list to go to the **resource details** page for the detailed information about the resource. You can click **Manage resources** to go to the corresponding page for further

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resource management. You can also click **Resource timeline** to go to the resource timeline page for configuration change records of the resource.

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Viewing Resource Details

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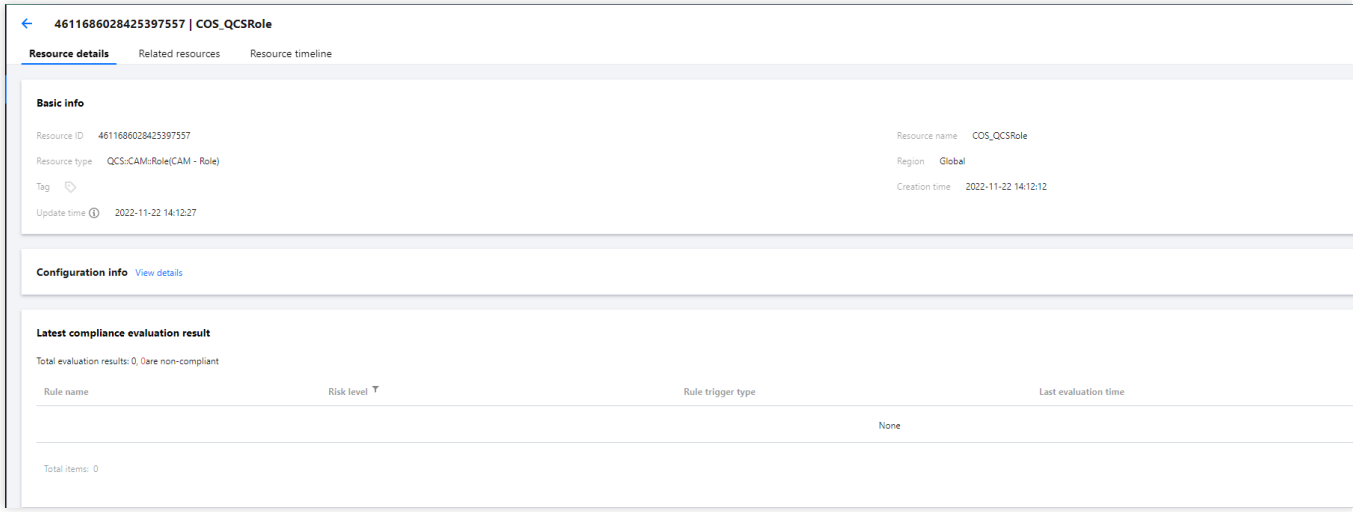
Resource Details

In the resource list, you can click the resource name to go to the **resource details** page comprised of three tabs.

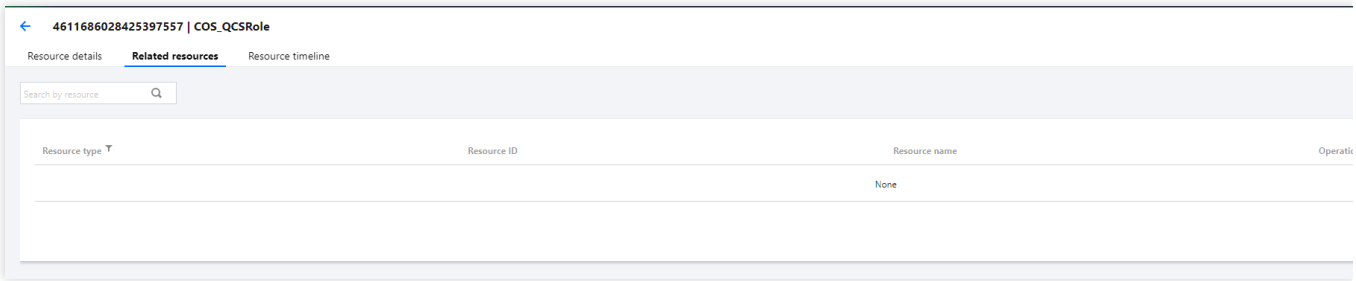
Resource details

The **Resource details** tab displays the latest attributes, configuration information, and compliance evaluation result of the resource. For more information, see Glossary.



Related Resources

The **Related resources** tab displays specific resources associated with the current resource. For the detailed information on resource relationships supported by Config, see Supported Resource Types.



Resource Timeline

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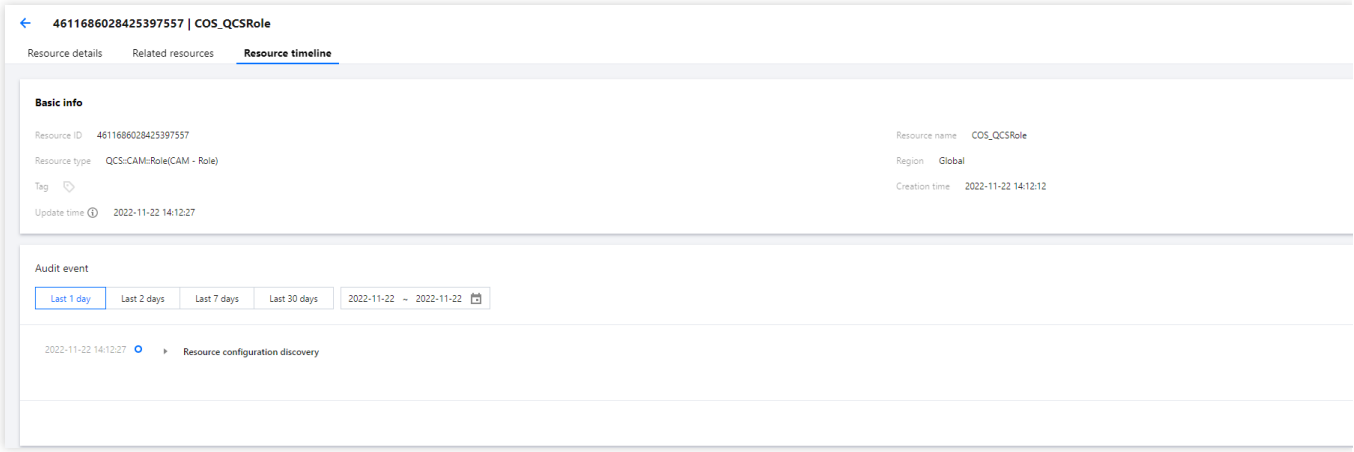
The **Resource timeline** tab allows you to query all configuration change records of the resource made in the recent year.



1. **Categories of Nodes in Timeline**

Each configuration change of a resource will generate a node in the timeline. The specific configuration information of each node is defined and displayed through a configuration item **ConfigurationItem**.

Start of Timeline

If the resource was created before it was monitored by Config, the start of the resource timeline is the time when Config identified and recorded the configuration information of the resource for the first time. Otherwise, the start is the time when the resource was created for the first time.

End of Timeline

If the resource is deleted during monitoring by Config, the end is the time when the resource was deleted. Otherwise, the end is the time when the configuration was changed the last time.

2. **Format of Nodes in Timeline**

The configuration information on each node in the timeline is displayed through standard ConfigurationItem. It refers to the collection of various attributes and configuration information of a resource at a certain point in time and is composed of the basic information (Metadata), resource attributes (Attribute), related resources (Relationship), and detailed configuration (Configuration), as shown in the table below.

Part	Field Name	Field Description
Basic information Metadata	Version ID	Config version number, starting from 1.0.
	ConfigurationTime	Time when this configuration item was generated.
	Status	ResourceDiscovered (Initial discovery of resource configuration). ResourceRecorded (Record of resource configuration, not the initial discovery). ResourceChanged (Resource configuration has been altered, and the resource has not been deleted).

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		ResourceDeleted (The resource has been deleted).
	StateID	Configuration item ID, which is the unique key of the configuration item.
	EventType	Event Type: Configuration (When a resource configuration is discovered or recorded, the configuration audit generates a resource configuration event) ConfigurationChange (When a resource configuration is altered or a resource is deleted, the configuration audit generates a configuration change event) Compliance (When an evaluation is triggered by a resource association rule, the configuration audit generates a compliance evaluation event)
Resource Attributes Attribute	AccountId	Root account ID.
	ResourceID	Resource ID.
	ResourceName	Resource name.
	ResourceType	Resource type, such as QCS::CVM::Instance.
	ResourceTypeName	Resource type description, such as CVM - Instance.
	Tags	Key-value pair of the resource tag.
	Product	Cloud service, such as CVM.
	QCS	Six-segment resource format.
	Region	Resource region name, such as ap-guangzhou. For global resources without the region attribute, the value is "global".
	CreatedTime	Resource creation time.
Associated Resource Relationship	ResourceID	ID of the associated resource. ID of the resource only of types currently supported by Config are displayed. If no ID is available, leave this field blank.
	ResourceName	Name of the associated resource.
	ResourceType	Type of associated resource.
	RelationshipType	Type of the relationship between the current resource and the associated resource.
	RelationshipTypeName	Relationship type name.

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Detailed configuration Configuration	-	Detailed configuration, which varies depending on the resource type.

3. **Categories of Events in Timeline**

Based on the displayed event information, a node can represent any of the following events:

Resource Configuration Event

This refers to the first discovery or record of resource configuration, typically based on the resource snapshot taken by the system. This event is recorded when you enable Config for the first time or manually modify the monitored resource type.

Configuration Change Event

This refers to the record of resource configuration changes. If the latest configuration of the resource differs from the previously recorded configuration, the node indicates a resource configuration change. This event is generally captured based on CloudAudit (CA) logs or automatically executed resource snapshots. If the configuration change is made on CA, the corresponding CA event will be recorded accordingly.

Compliance Evaluation Event

This refers to the record of resource configuration evaluation results. For information on the rule-based evaluation triggering mechanism, see Rule-Based Evaluation.

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Rule

Managed Rules

Last updated：2024-03-04 14:26:59

Config supports the following managed rules. For other managed rules, you can submit a ticket.

Cloud Service	Resource Type	Managed Rule
Cloud Access Management (CAM)	QCS::CAM::User	MFA on sensitive operations required for CAM users.
	QCS::CAM::User	MFA on login required for CAM users.
	QCS::CAM::Group	No idle user groups on CAM.
	QCS::CAM::User QCS::CAM::Group	Association with user group required for CAM user.
	QCS::CAM::User	No authorization policies directly added to CAM sub-account
	QCS::CAM::User	No administrator access permissions granted to CAM users, user groups, or roles.
	QCS::CAM::User QCS::CAM::Group QCS::CAM::Role	Granting of specific high-risk permissions by CAM not allowed.
	QCS::CAM::Policy	No idle permission policies on CAM.
	QCS::CAM::Policy	CAM login permission check.
	QCS::CAM::User	Key of CAM user rotated at specified interval.
	QCS::CAM::User	Login by CAM user within specified time range.
CVM	QCS::CVM::Instance	CVM instance associated with specified security group.
	QCS::CVM::Instance	CVM Instance has not entered the Recycle Bin.
	QCS::CVM::Instance	Association of CVM instance with specified role.
	QCS::CVM::Instance	CVM instance enabled automatic renewal.

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	QCS::CVM::Instance	Notification about expiration for CVM instance in monthly subscription or pay-as-you-go mode.
	QCS::CVM::Instance	Expiration protection for CVM instance in pay-as-you-go mode.
	QCS::VPC::SecurityGroup	No Idle Security Groups.
	QCS::CVM::Instance	CVM instance in VPC.
	QCS::CVM::Instance	No CVM instances not assigned to project.
	QCS::CVM::Instance	Inactive duration of CVM instance after shutdown not exceeding specified number of days.
	QCS::CVM::Instance	Lease duration of CVM instance meeting requirement of specified number of days.
	QCS::CVM::Instance	CVM instance bound to public IPv4 address.
CBS	QCS::CBS::Disk	No idle CBS disks.
	QCS::CBS::Disk	CBS disk enabled arrear protection.
	QCS::CBS::Disk	CBS disk enabled encryption.
	QCS::CBS::Disk	Detachable CBS disk not moved to Recycling Bin.
TAG	QCS::CVM::Instance	Specified tag existed for resource.
SecurityGroup	QCS::VPC::SecurityGroup	Access to remote risky ports by security group not allowed.
	QCS::VPC::SecurityGroup	Access to all ports by security groups not allowed.
Subnet	QCS::VPC::Subnet	Number of available IP addresses in VPC subnet greater than specified value.

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List of Managed Rule
MFA on Sensitive Operations Required for CAM Users

Last updated：2024-03-01 15:54:47

Rule purpose: Check whether MFA on sensitive operations is enabled on CAM.

Compliance evaluation logic: If MFA on sensitive operations has been enabled on CAM, the evaluation result is "compliant".

Rule Identifier: `cam-account-action-mfa-enabled`

Risk Level: High

Applicable Resource Type: `QCS::CAM::User`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, MFA.

Rule parameter: None.

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MFA on Login Required for CAM Users

Last updated：2024-03-04 14:58:54

Rule purpose: Check whether MFA on login is enabled on CAM.

Compliance evaluation logic: If MFA on login has been enabled on CAM, the evaluation result is "compliant".

Rule Identifier: `cam-account-login-mfa-enabled`

Risk Level: High.

Applicable Resource Type: `QCS::CAM::User`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, MFA.

Rule parameter: None.

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No Idle User Groups on CAM

Last updated：2024-03-04 15:23:57

Rule purpose: Check whether any idle user group exists on CAM.

Compliance evaluation logic: If each CAM user group has at least one user, the evaluation result is "compliant".

Rule Identifier: `cam-group-user-bound`

Risk Level: Low

Applicable Resource Type: `QCS::CAM::Group`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, user group.

Rule parameter: None

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Association with User Group Required for CAM User

Last updated：2024-03-04 15:25:00

Rule purpose: Check whether the CAM user is associated with a user group.

Compliance evaluation logic: If the CAM user has been associated with at least one user group, the evaluation result is "compliant".

Rule Identifier: `cam-user-group-bound`

Risk Level: Low

Applicable Resource Type: `QCS::CAM::User`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, user group.

Rule parameter: None.

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No Authorization Policies Directly Added to CAM Sub-account

Last updated：2022-12-05 17:45:03

Rule purpose: Check whether any authorization policy has been directly added to the CAM sub-account.

Compliance evaluation logic: If no authorization policies have been directly added to the CAM sub-account, the evaluation result is "compliant".

Rule Identifier: `cam-user-policy-directly-bound`

Risk Level: Low.

Applicable Resource Type: `QCS::CAM::User`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, policy.

Rule parameter: None.

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No Administrator Access Permissions Granted to CAM Users, User Groups, or Roles

Last updated：2024-03-04 15:57:49

Rule purpose: Check whether the administrator access permissions are granted to CAM users, user groups, and roles.
Compliance evaluation logic: If no administrator access permissions are granted to CAM users, user groups, or roles, the evaluation result is "compliant".
Rule Identifier: `cam-policy-admin-access-bound`
Risk Level: High.
Applicable resource type: `QCS::CAM::User` , `QCS::CAM::Group` , `QCS::CAM::Role` .
Rule trigger type: Periodic execution, every 24 hours.
Keyword: User, user group, role, policy.
Rule parameter: None.

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Granting of Specific High-Risk Permissions by CAM Not Allowed

Last updated：2024-03-04 15:58:29

Rule purpose: Check whether CAM has granted specific high-risk permissions.

Compliance evaluation logic: When no CAM users, user groups, or roles are granted specific high-risk permissions, the evaluation result is "compliant".

Rule Identifier: `cam-user-risky-policy-bound` .

Risk Level: Low

Applicable resource type: `QCS::CAM::User` , `QCS::CAM::Group` , `QCS::CAM::Role` .

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, user group, role, policy.

Rule parameter:

Parameter name	Default value	Relationship
policies	AdministratorAcces	Contains

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No Idle Permission Policies on CAM

Last updated：2024-03-04 15:59:07

Rule purpose: Check whether any idle permission policy exists on CAM.

Compliance evaluation logic: When each permission policy is associated with at least one user, user group, or role, the evaluation result is "compliant".

Rule Identifier: `cam-policy-in-use` .

Risk Level: Low.

Applicable Resource Type: `QCS::CAM::Policy` .

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, user group, role, policy.

Rule parameter: None.

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CAM Login Permission Check

Last updated：2024-03-04 15:59:58

Rule purpose: Check the CAM login permission.

Compliance evaluation logic: If the console login permission and only one API key are enabled for any CAM user, the evaluation result is "compliant".

Rule Identifier: `cam-user-login-check` .

Risk Level: Low.

Applicable Resource Type: `QCS::CAM::User` .

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, login, key.

Rule parameter: None.

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Key of CAM User Rotated at Specified Interval

Last updated：2024-03-04 16:00:19

Rule purpose: Check whether the key of the CAM user is rotated at a specified interval.

Compliance evaluation logic: If the key of the CAM user is rotated at a specified interval, the evaluation result is "compliant".

Rule Identifier: `cam-user-ak-rotated` .

Risk Level: High.

Applicable Resource Type: `QCS::CAM::User` .

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, key.

Rule parameter:

Parameter name	Default value	Relationship
days	90	Less than or equal to

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Login by CAM User within Specified Time Range

Last updated：2024-03-04 16:01:21

Rule purpose: Check whether the CAM user has logged in within the specified time range.

Compliance evaluation logic: If the CAM user has logged in within the specified time range, the evaluation result is "compliant".

Rule Identifier: `cam-user-logged-in` .

Risk Level: Medium.

Applicable Resource Type: `QCS::CAM::User` .

Rule trigger type: Periodic execution, every 24 hours.

Keyword: User, login.

Rule parameter:

Parameter name	Default value	Relationship
days	90	Less than or equal to

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CVM Instance Associated with Specified Security Group

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the CVM instance is associated with a specified security group.

Compliance evaluation logic: If the CVM instance has been associated with a specified security group, the evaluation result is "compliant".

Rule Identifier: `cbs-disk-noidle`

Risk Level: High.

Applicable Resource Type: `QCS::CBS::Disk`

Rule trigger type: Periodic execution, every 24 hours.

Keyword: Security group, CVM.

Rule parameter: None.

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CVM Instance Not Moved to Recycle Bin

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the CVM instance has been moved to Recycle Bin.

Compliance evaluation logic: If the CVM instance is not moved to Recycle Bin due to reasons such as arrears or destruction, the evaluation result is "compliant".

Rule Identifier: `cvm-instance-no-recycle-bin`

Risk Level: High.

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change.

Keyword: CVM.

Rule parameter: None.

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Association of CVM Instance with Specified Role

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the CVM instance has been associated with a specified role.

Compliance evaluation logic: If the CVM instance has been associated with a specified role, the evaluation result is "compliant".

Rule Identifier: `cvm-instance-specified-role`

Risk Level: Low

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change

Keyword: CVM

Rule parameter: None

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CVM Instance Enabled Automatic Renewal

Last updated：2024-03-04 16:20:27

Rule purpose: Check whether the CVM instance has enabled automatic renewal.

Compliance evaluation logic: If the CVM instance has enabled automatic renewal, the evaluation result is "compliant".

Rule Identifier: `cvm-instance-automatic-renewal`

Risk Level: High.

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change, periodic execution, every 24 hours.

Keyword: CVM.

Rule parameter: None.

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Notification About Expiration for CVM Instance in Monthly Subscription or Pay-As-You-Go Mode

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether notification about expiration is enabled for the CVM instance in monthly subscription or pay-as-you-go mode.
Compliance evaluation logic: If the duration between the expiration date of the CVM instance in monthly subscription or pay-as-you-go mode and the evaluation date is greater than the set number of days, the evaluation result is "compliant". Default duration: 30 days.
Rule Identifier: `cvm-instance-prepaid`
Risk Level: High.
Applicable Resource Type: `QCS::CVM::Instance`
Rule trigger type: Periodic execution, every 24 hours.
Keyword: CVM.
Rule parameter:

Parameter name	Default value	Relationship
days	30	Greater than or equal to

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No Idle Security Groups

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether any idle security group exists.

Compliance evaluation logic: If all security groups have been bound, the evaluation result is "compliant".

Rule Identifier: `cvm-no-sg`

Risk Level: Medium

Applicable Resource Type: `QCS::VPC::SecurityGroup`

Rule trigger type: Configuration change

Keyword: Security Group

Rule parameter: None

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CVM Instance in VPC

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the CVM instance is in a VPC.

Compliance evaluation logic: If the CVM instance is in a specified VPC, the evaluation result is "compliant".

Rule Identifier: `cvm-instance-vpc`

Risk Level: Medium

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change.

Keyword: CVM, VPC.

Rule parameter:

Parameter name	Default value	Relationship
vpcids	None	Contains

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No CVM Instances Not Assigned to Project

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether all CVM instances have been assigned to a project.

Compliance evaluation logic: If all CVM instances have been assigned to a project, the evaluation result is "compliant".

Rule Identifier: `cvm-no-assigned-items`

Risk Level: Medium

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change

Keyword: CVM

Rule parameter: None

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Inactive Duration of CVM Instance After Shutdown Not Exceeding Specified Number of Days

Last updated：2024-03-04 16:07:17

Rule purpose: Check whether the CVM instance has been shut down for more than specified number of days.
Compliance evaluation logic: If the CVM instance has not been shut down for more than specified number of days, the evaluation result is "compliant".
Rule Identifier: `cvm-instance-shutdown`
Risk Level: Medium
Applicable Resource Type: `QCS::CVM::Instance`
Rule trigger type: Periodic execution, every 24 hours.
Keyword: CVM
Rule parameter:

Parameter name	Default value	Relationship
days	None	Less than or equal to

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Lease Duration of CVM Instance Meeting Requirement of Specified Number of Days

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the lease duration of the CVM instance meets the requirement of specified number of days.
Compliance evaluation logic: If the lease duration of the CVM instance meets the requirement of specified number of days, the evaluation result is "compliant".
Rule Identifier: `cvm-instance-lease-duration`
Risk Level: Low
Applicable Resource Type: `QCS::CVM::Instance`
Rule trigger type: Periodic execution, every 24 hours.
Keyword: CVM.
Rule parameter:

Parameter name	Default value	Relationship
days	None	Greater than

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CVM Instance Bound to IPv4 Public Address

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the CVM instance is bound to an IPv4 public address.

Compliance evaluation logic: If the CVM instance has bound to an IPv4 public address, the evaluation result is "compliant". (This rule is applicable only to IPv4 addresses.)

Rule Identifier: `cvm-instance-publicipv4-bound`

Risk Level: Medium.

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change.

Keyword: CVM, public IP address.

Rule parameter: None.

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Specified Tag Existed for Resource

Last updated：2024-02-29 11:02:53

Rule purpose: Check whether the specified tag for the resource exists.

Compliance evaluation logic: If the instance is associated with the specified tag, the evaluation result is "compliant".

Rule Identifier: `cvm-resource-exists-specified-tag`

Risk Level: High.

Applicable Resource Type: `QCS::CVM::Instance`

Rule trigger type: Configuration change.

Keyword: CVM, tag, storage bucket.

Rule parameter: None.

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Access to Remote Risky Ports by Security Group Not Allowed

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether the security group can access remote risky ports when rules covering all network segments are set.
Compliance evaluation logic: When the security group has set rules covering all network segments (0.0.0.0/0 or ::/0), the port range cannot contain specified risky ports. If no such rules are set, the port range can contain specified risky ports. The evaluation result is "compliant" when the above conditions are met.
Rule Identifier: `cvm-sg-no-remote-access`
Risk Level: High
Applicable Resource Type: `QCS::VPC::SecurityGroup`
Rule trigger type: Configuration change
Keyword: Security Group
Rule parameter: None

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Access to All Ports by Security Group Not Allowed

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether the port range value is set to All when rules involving all network segments are configured.
Compliance evaluation logic: When the security group has set rules covering all network segments (0.0.0.0/0 or ::/0), the port range value cannot be set to ALL. If no such rules are set, the port range value can be ALL. The evaluation result is "compliant" if the above conditions are met.
Rule Identifier: `cvm-sg-no-remote-access`
Risk Level: High
Applicable Resource Type: `QCS::VPC::SecurityGroup`
Rule trigger type: Configuration change
Keyword: Security Group
Rule parameter: None

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CBS Disk Enabled Arrear Protection

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether arrear protection has been enabled for the CBS disk.

Compliance evaluation logic: If arrear protection has been enabled for the CBS disk, the evaluation result is "compliant".

Rule Identifier: `cbs-disk-open-arrears-protection`

Risk Level: Medium

Applicable Resource Type: `QCS::CBS::Disk`

Rule trigger type: Configuration change

Keyword: CBS disk

Rule parameter: None

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CBS Disk Enabled Encryption

Last updated：2024-03-04 16:24:46

Rule purpose: Check whether encryption has been enabled for the CBS disk.

Compliance evaluation logic: If encryption has been enabled for the CBS disk, the evaluation result is "compliant".

Rule Identifier: `cbs-disk-encrypted`

Risk Level: Medium

Applicable Resource Type: `QCS::CBS::Disk`

Rule trigger type: Configuration change

Keyword: CBS disk

Rule parameter: None

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Detachable CBS Disk Not Moved to Recycle Bin

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether the detachable CBS disk has been moved to Recycle Bin.

Compliance evaluation logic: If the detachable CBS disk in monthly subscription mode has not been moved to Recycle Bin due to reasons such as arrears or returns, the evaluation result is "compliant".

Rule Identifier: `cbs-disk-no-trash`

Risk Level: Medium

Applicable Resource Type: `QCS::CBS::Disk`

Rule trigger type: Configuration change

Keyword: CBS disk

Rule parameter: None

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Number of Available IP Addresses in VPC Subnet Greater than Specified Value

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether the number of available IP addresses in the VPC subnet exceeds a specified value.
Compliance evaluation logic: If the number of available IP addresses in the VPC subnet exceeds the configured specified value, the evaluation result is "compliant".
Rule Identifier: `vpc-subnet-availip`
Risk Level: Low.
Applicable Resource Type: `QCS::VPC::Subnet`
Rule trigger type: Periodic execution, every 24 hours.
Keyword: VPC, subnet.
Rule parameter:

Parameter name	Default value	Relationship
numbers	None	Greater than or equal to

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Expiration Protection for CVM Instance in Pay-As-You-Go Mode

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether expiration protection has been enabled for the CVM instance in pay-as-you-go mode.
Compliance evaluation logic: During the billing period for the CVM instance in pay-as-you-go mode, if the instance is not shutdown and is still within the lease validity period, the evaluation result is "compliant".
Rule Identifier: `cvm-instance-fee-expiration-protection`
Risk Level: High.
Applicable Resource Type: `QCS::CVM::Instance`
Rule trigger type: Periodic execution, every 24 hours.
Keyword: CVM.
Rule parameter: None.

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No Idle CBS Disks

Last updated：2024-02-29 11:02:54

Rule purpose: Check whether any idle CBS disk exists.

Compliance evaluation logic: If no idle CBS disks exist and snapshots have been taken for all CDS disks, the evaluation result is "compliant".

Rule Identifier: `cbs-disk-noidle`

Risk Level: Low.

Applicable Resource Type: `QCS::CBS::Disk`

Rule trigger type: Configuration change.

Keyword: CBS disk, snapshot.

Rule parameter: None.

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Using Rules
Creating Managed Rules

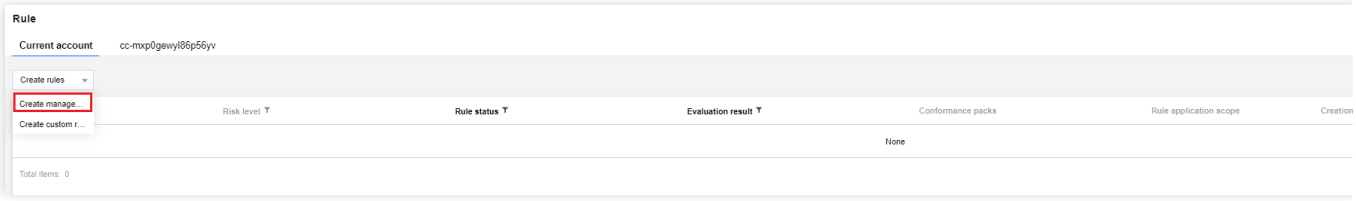
Last updated：2024-03-04 14:26:59

Overview

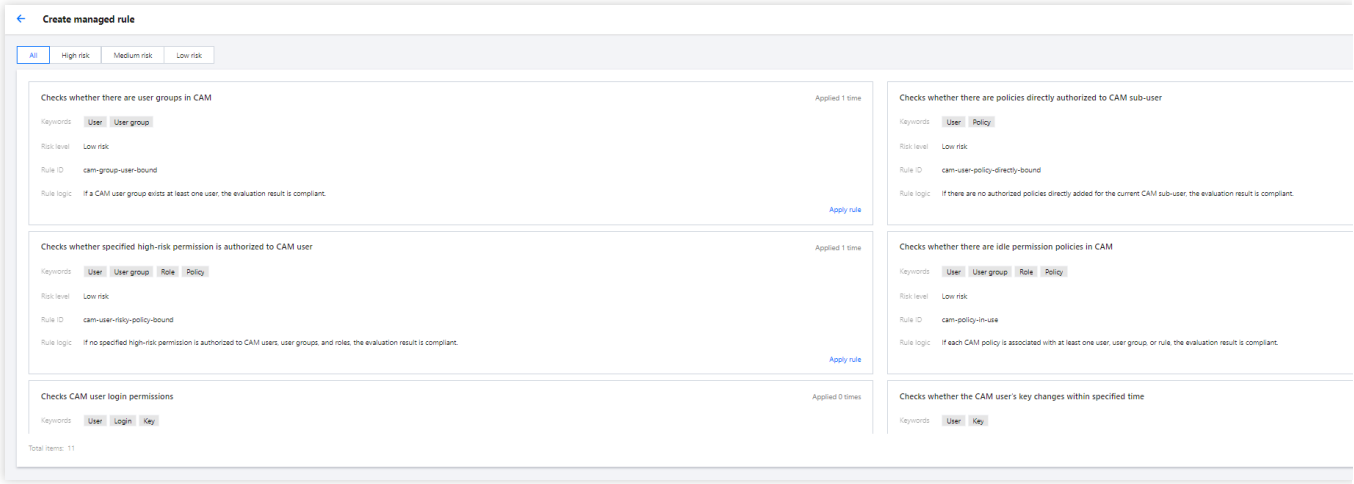
This document describes how to create a managed rule in the Config console for auditing and evaluating resources.

Directions

1. Log in to the Config console and click Rule in the left side bar.
2. On the **Rule** page, click **Create managed rule**. （You can select an individual account or a global account group for rule creation, depending on the actual account.）



3. On the **Create managed rule** page, select the managed rule that needs to be applied. For detailed information about supported managed rules, see Supported Managed Rules.



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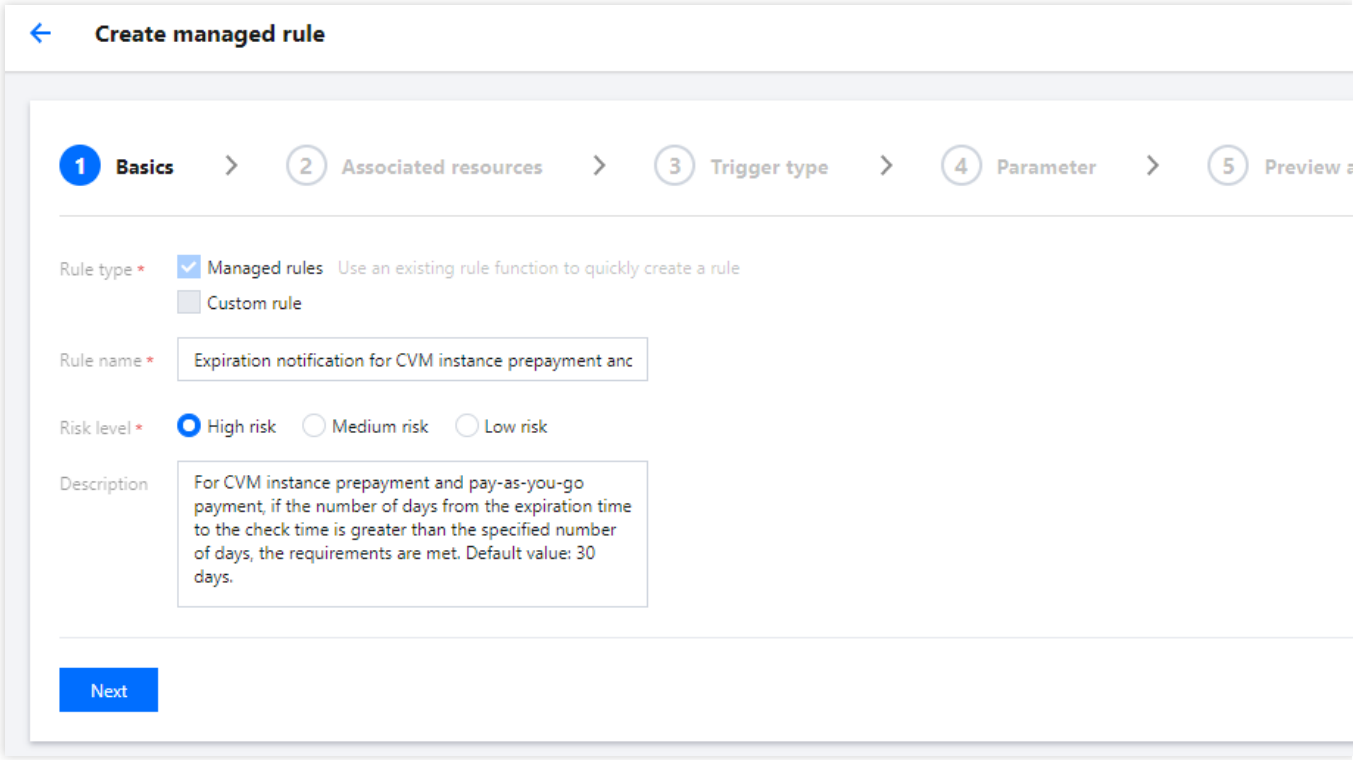
4. On the **Basics** page, enter the rule name, risk level, and rule description, and then click **Next**.



5. On the **Associated resources** page, select the resources you need to audit. You can also specify the rule application scope by tag or region as needed, or exclude resources by resource ID. Then, click **Next**.

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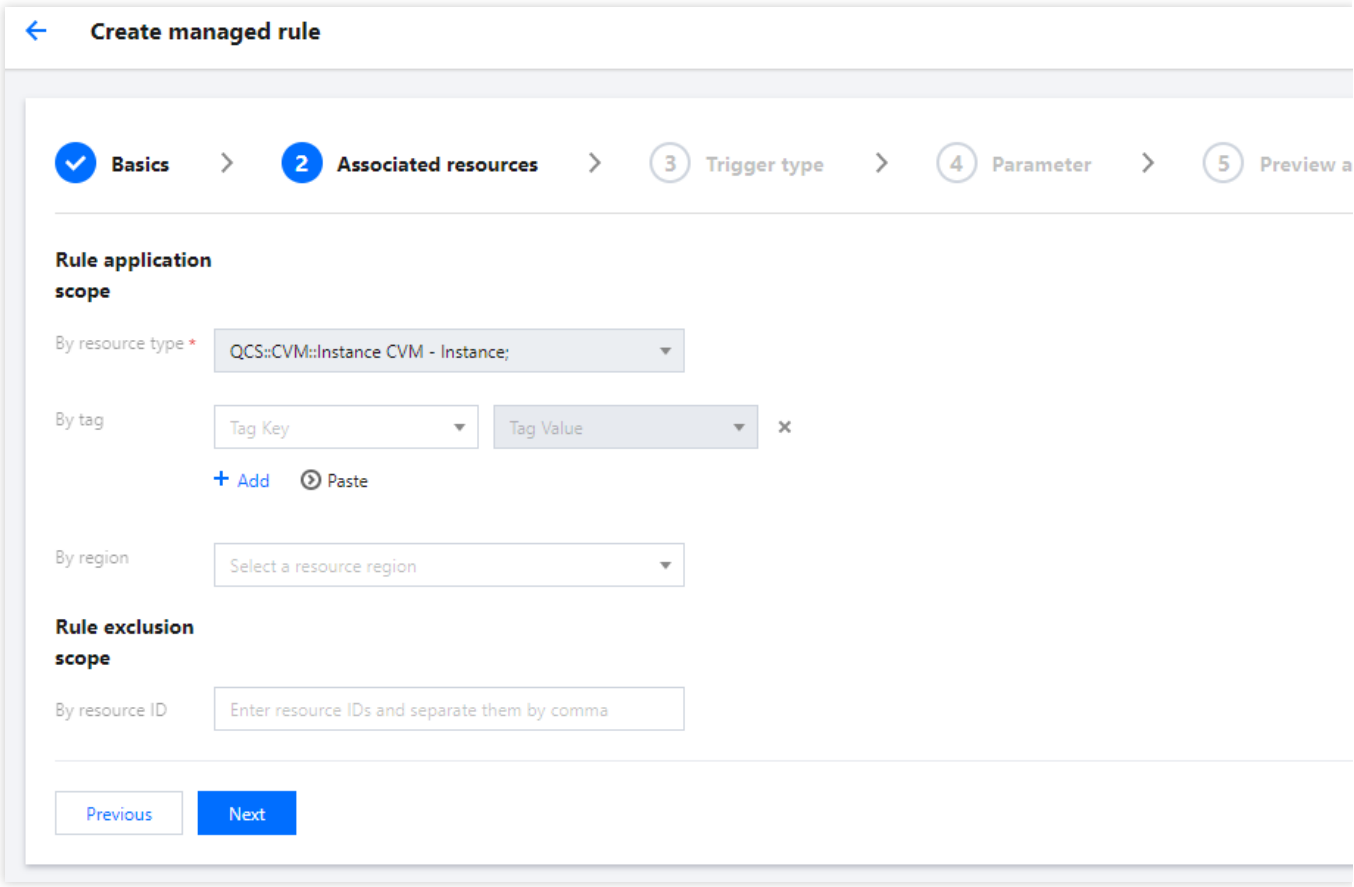
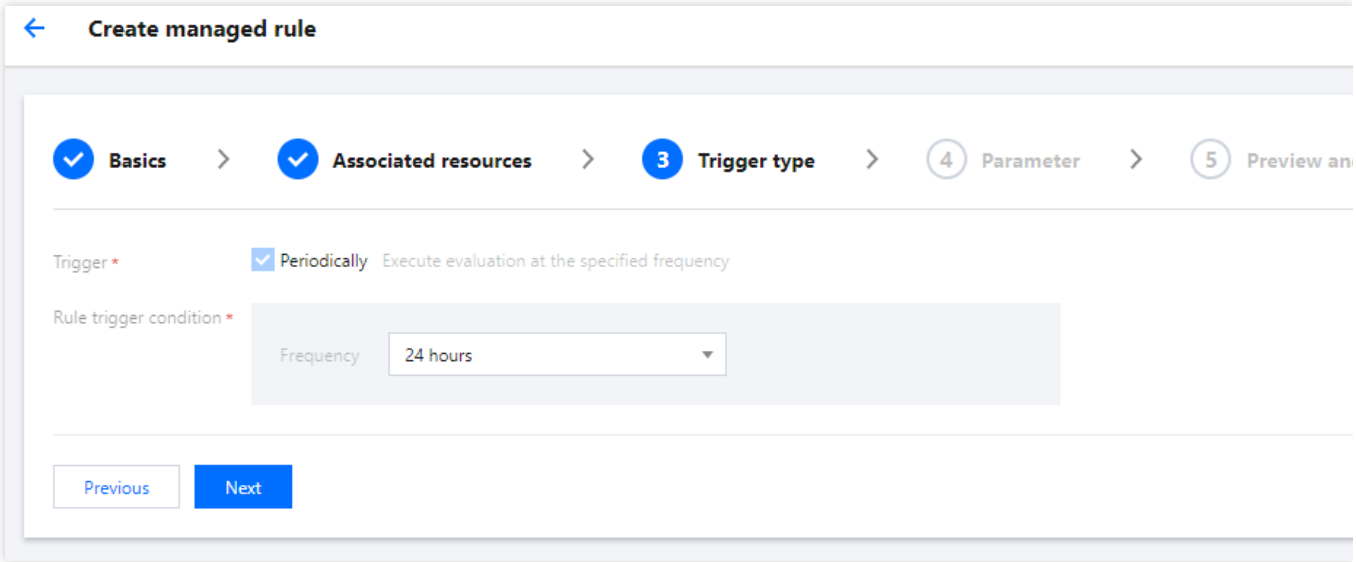


6. On the **Trigger type** page, set the rule trigger mechanism, then click **Next**.



7. On the **Parameter** page, set the expected values for the rule parameter, and then click **Next**.

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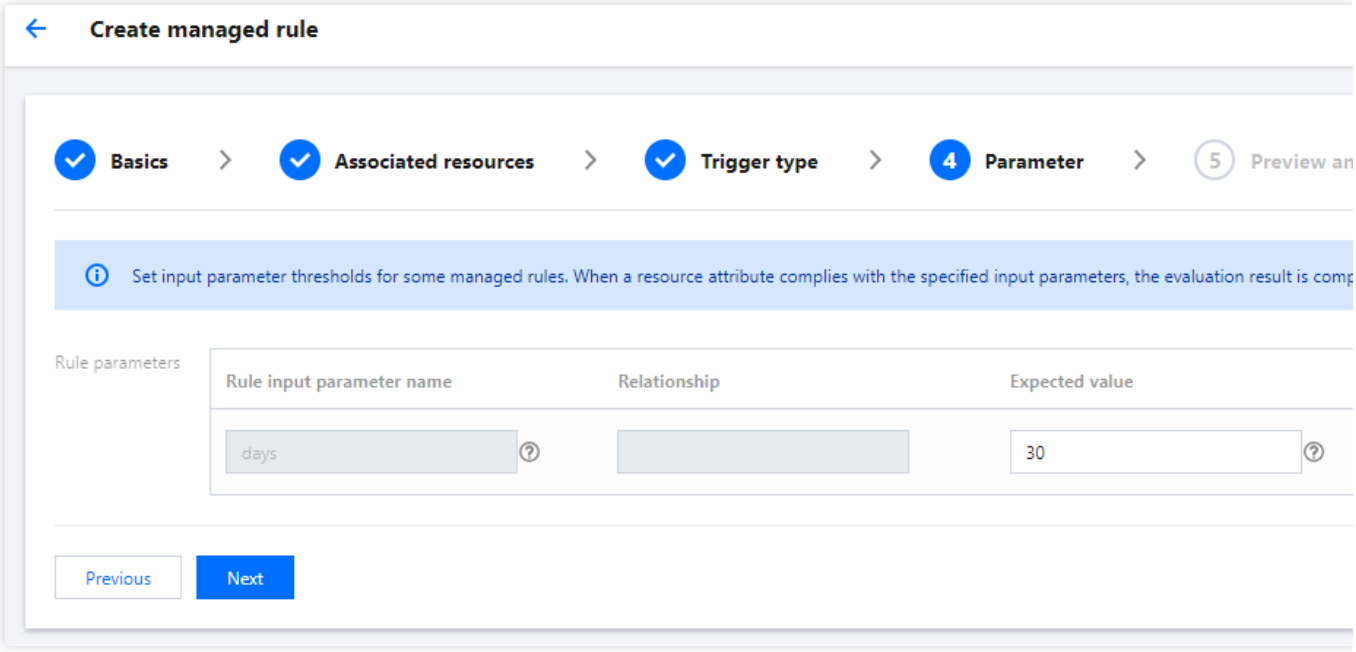

8. On the **Preview and save** page, check the rule information you have entered. You can click Previous to go to the corresponding step to edit the information if needed. After you confirm that the information is correct, click **Save** to create the rule.

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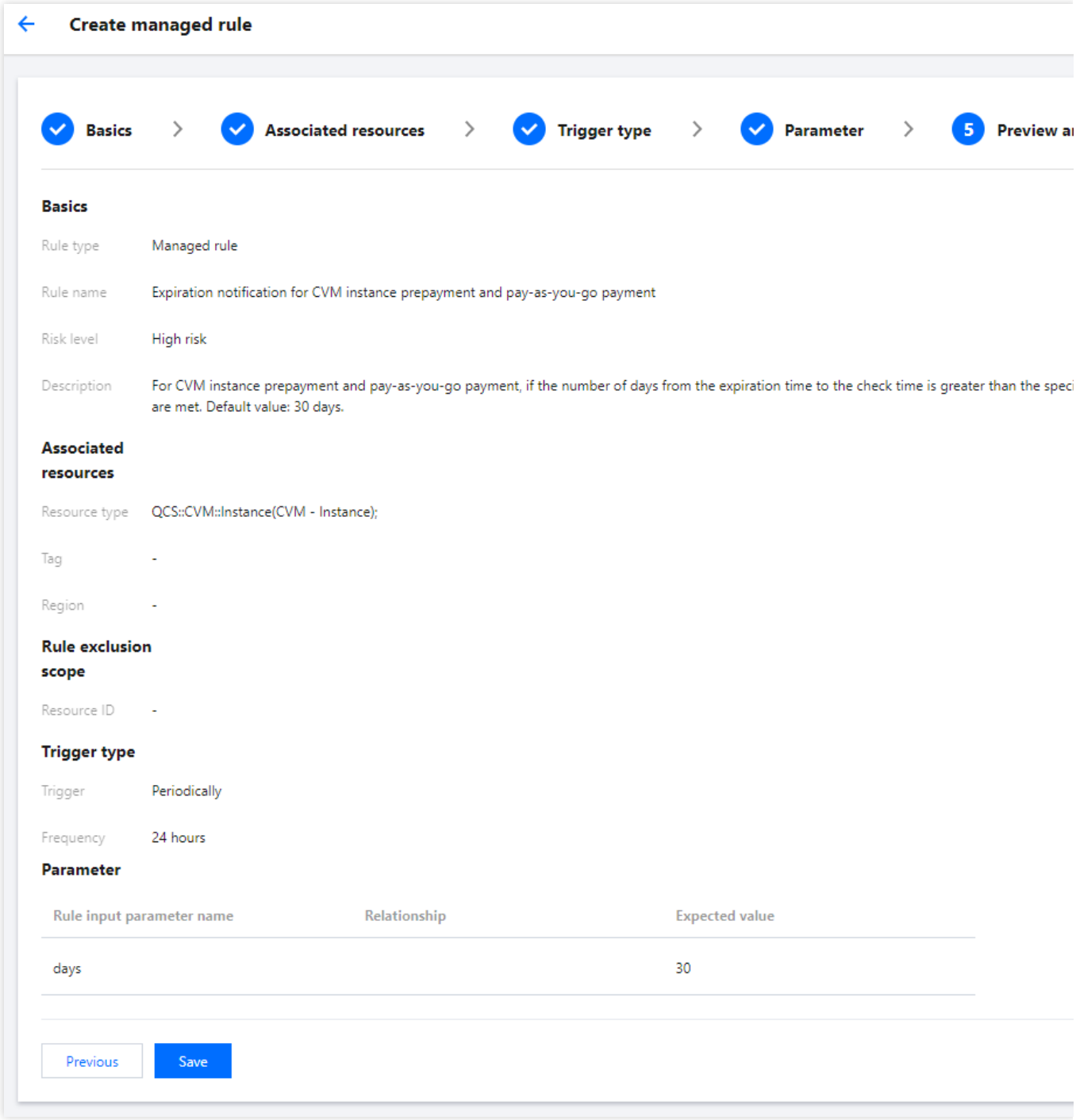

Note:

When you create or edit a conformance pack, if the select rule is already added to another conformance pack or is a supported managed rule or a rule in the conformance pack template, the system will add the rule to the current conformance pack after you save the changes.

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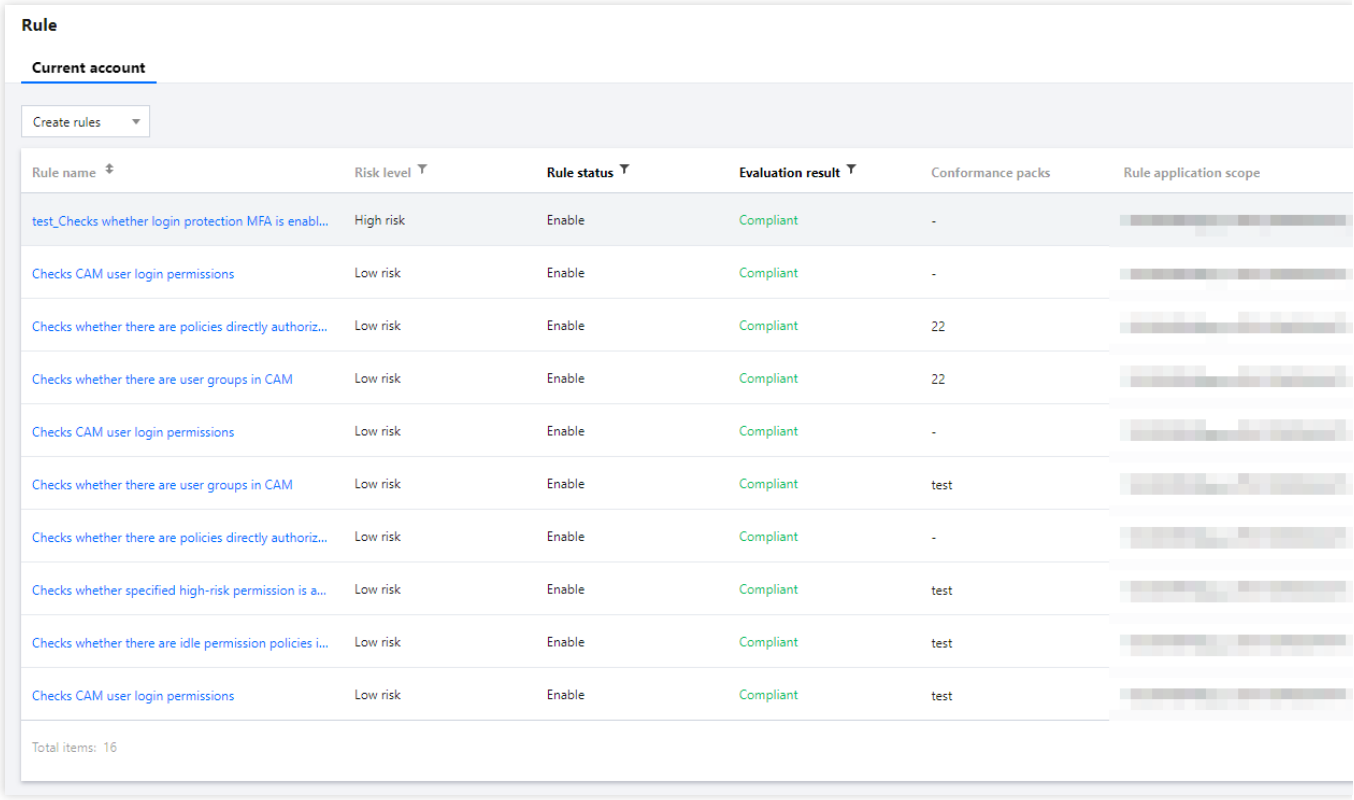
Managing Rules
Viewing Rule List

Last updated：2024-03-04 14:26:59

Click on the **Rule** menu to navigate to the **Rule** page, where you can view all the rules under this account. You can filter rules by Rule name, Risk level, Rule status, and Evaluation result.
Click **Rule** in the left sidebar to go to the **Rule** page. On this page, you can view all rules under the login account and filter rules by fields such as rule name, risk level, rule status, and evaluation result.



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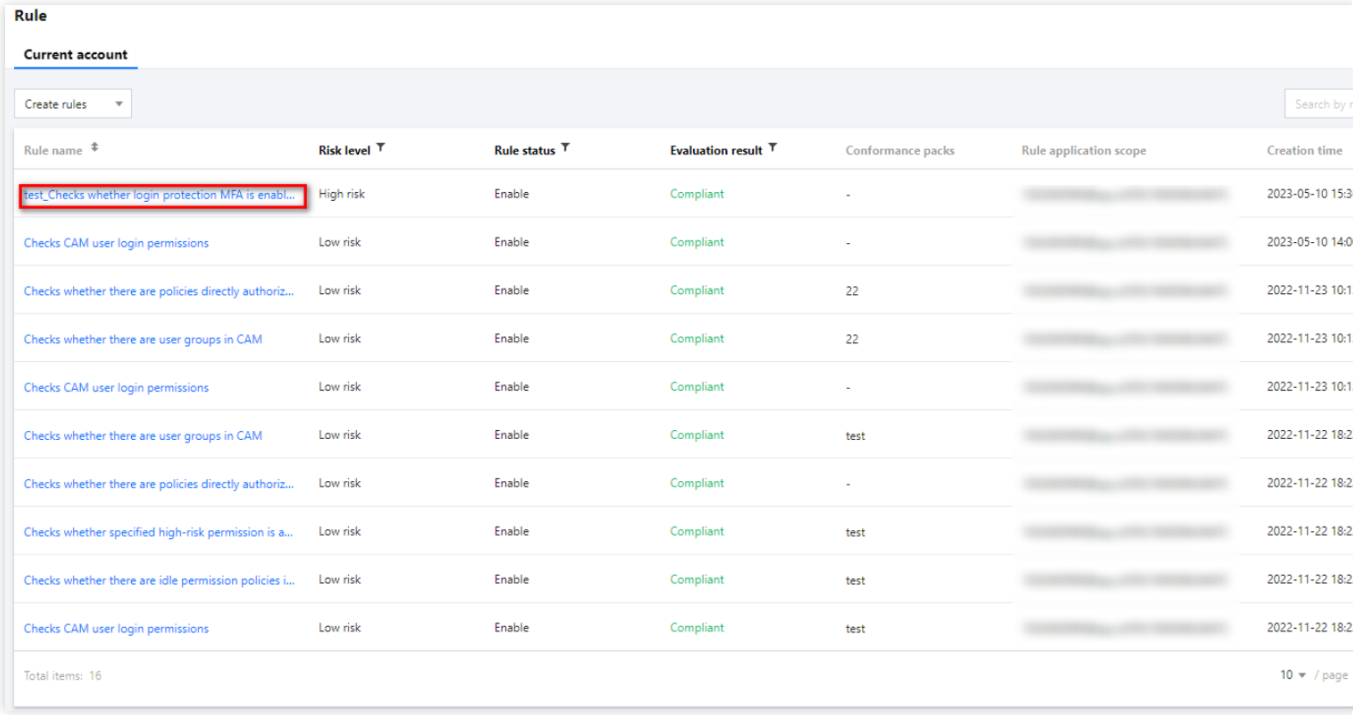
Viewing Rule Details

Last updated：2024-03-04 14:26:59

You can click the name of a **rule** to view the detailed information. The rule details page will display the basic attributes of the rule, associated resources, trigger type, parameters, and evaluation result. You can edit, enable, disable, or delete the rule and perform evaluation, on the details page.



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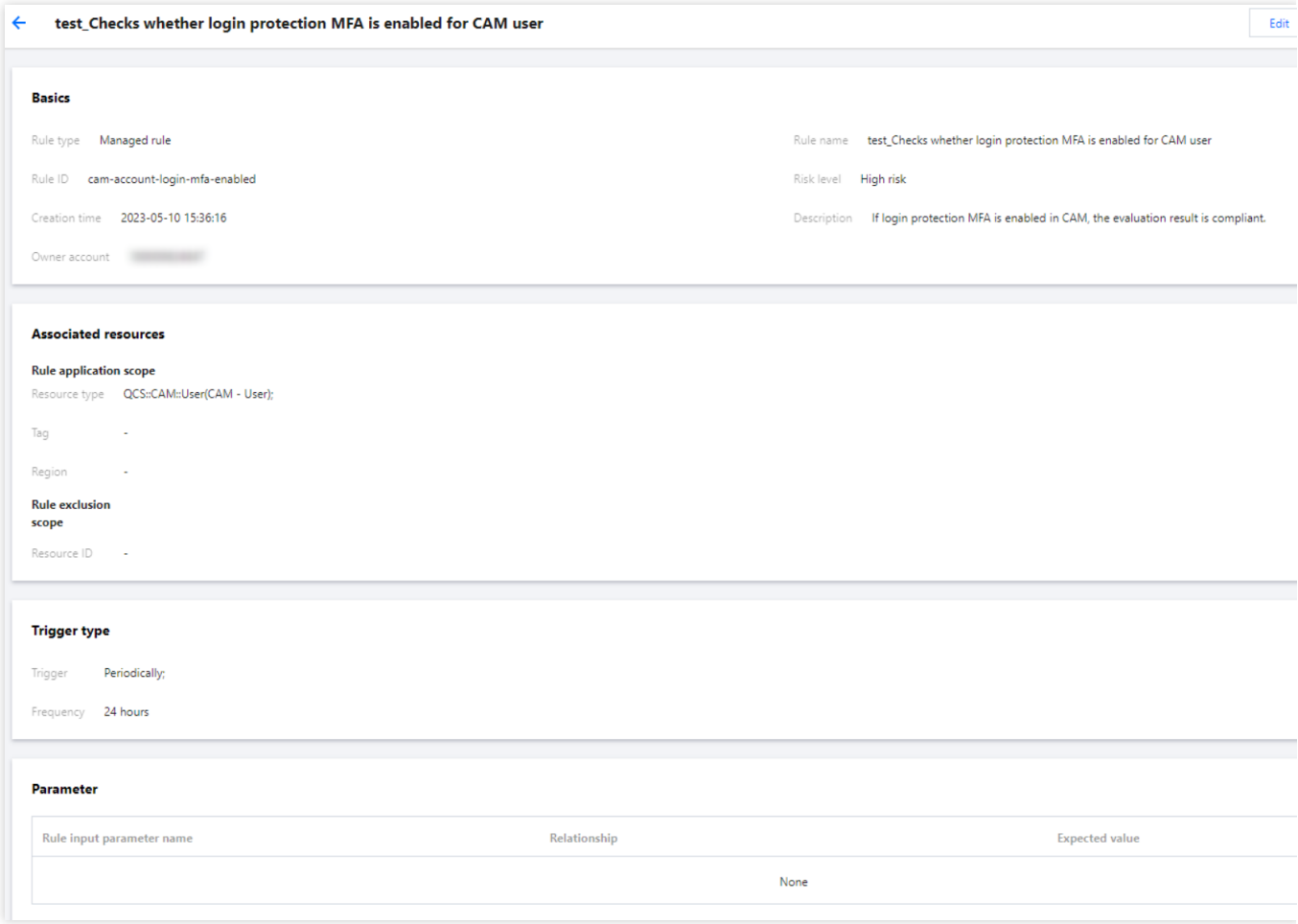
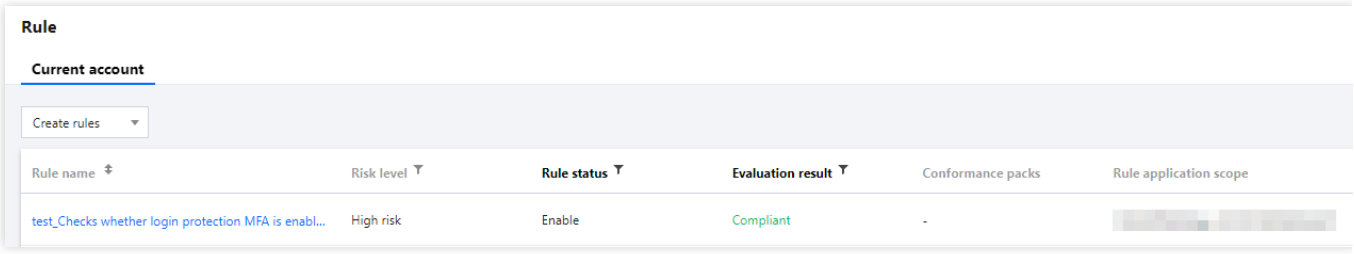

test_Checks whether login protection MFA is enabled for CAM user
Edit
Basics
Rule type Managed rule
Rule name test_Checks whether login protection MFA is enabled for CAM user
Rule ID cam-account-login-mfa-enabled
Risk level High risk
Creation time 2023-05-10 15:36:16
Description If login protection MFA is enabled in CAM, the evaluation result is compliant.
Owner account
Associated resources
Rule application scope
Resource type QCS::CAM::User(CAM - User);
Tag -
Region -
Rule exclusion scope
Resource ID -
Trigger type
Trigger Periodically;
Frequency 24 hours
Parameter
Rule input parameter name
Relationship
Expected value
None

Editing Rule

Last updated：2024-03-04 14:26:59

Find the rule to be edited in the rule list, and click **Edit** in the Operation column to modify the rule settings.



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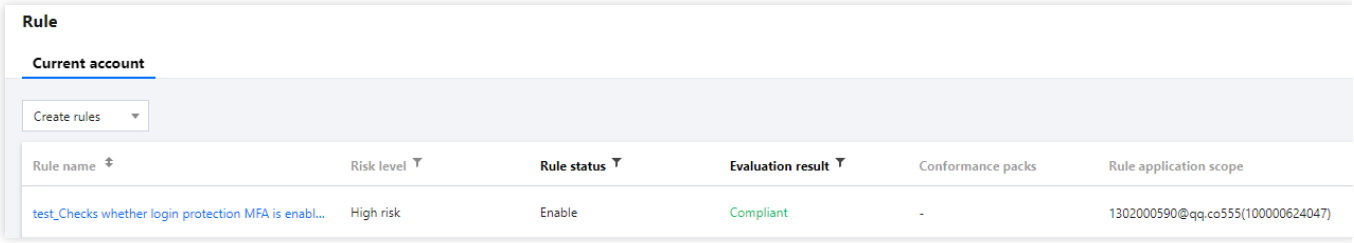
Enabling/Disabling Rule

Last updated：2024-03-04 14:26:59

Rules that are temporarily not in use can be disabled by clicking **Disable** in the **rule list** or on the **rule details** page. Once a rule is **disabled**, evaluation cannot be performed unless it is **enabled** again, regardless of automatic execution based on execution cycle settings or manual execution by clicking **Evaluate**.



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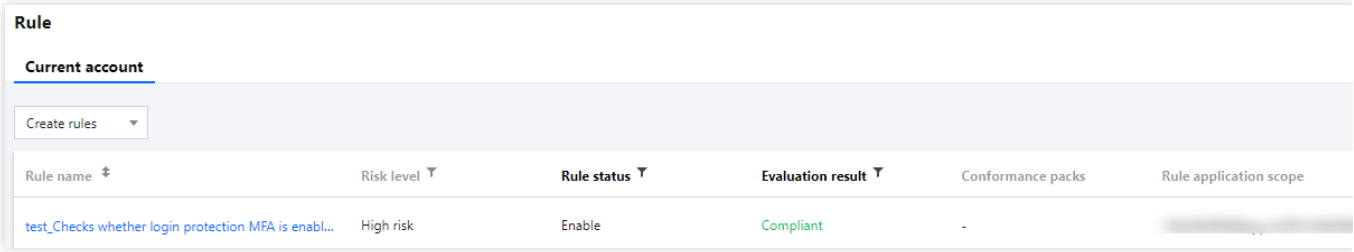
Deleting Rule

Last updated：2024-03-04 14:26:59

Rules that are no longer needed can be deleted. To delete a rule, click **Delete** in the r**ule list**, or click the rule name to go to the **rule details** page and then click **Delete**. The rule must be **disabled** first before it is **deleted** to prevent accidental deletion. Rules that have been added to conformance packs can be deleted in batch by <13>**deleting**</1 the conformance packs.



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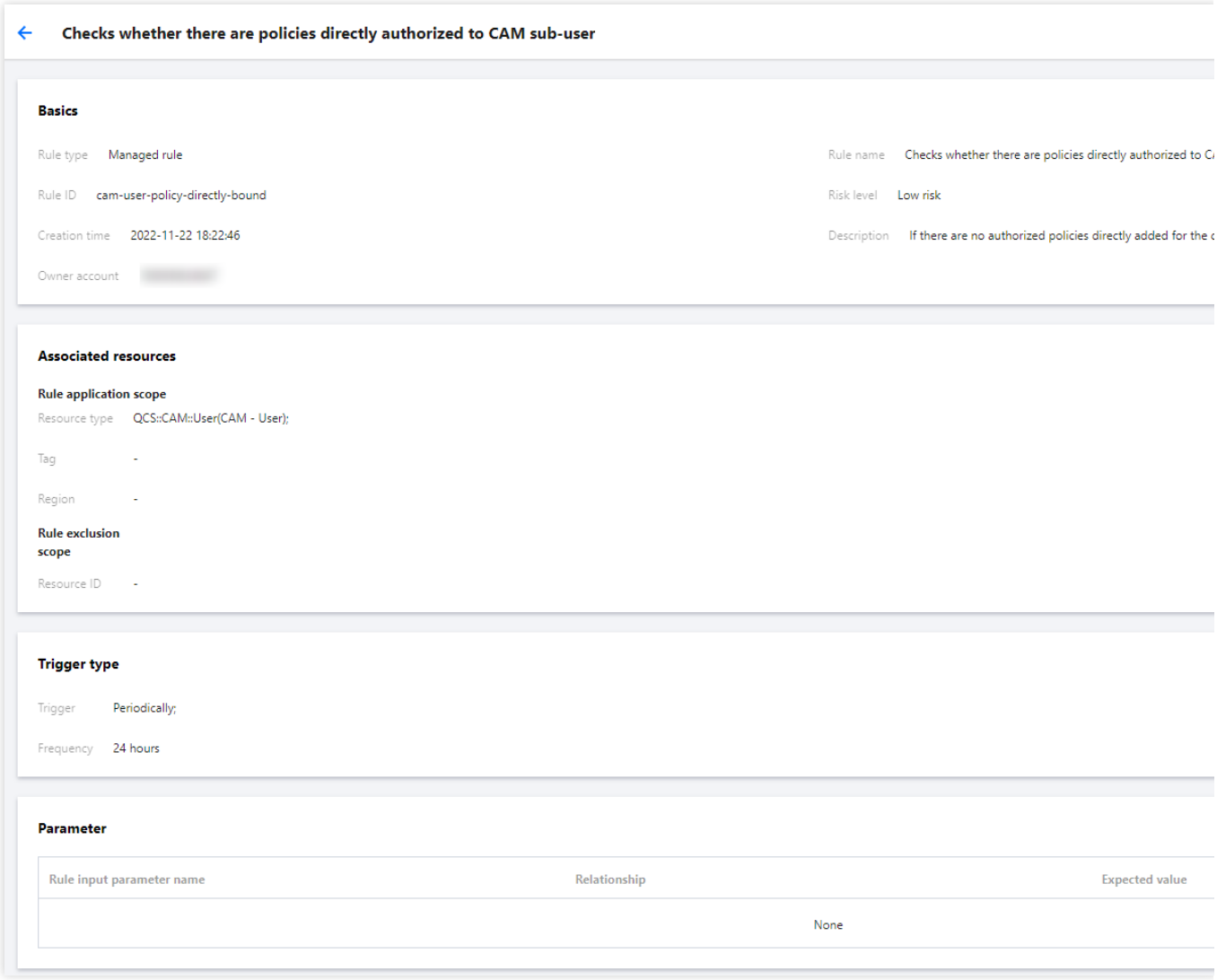

Checks whether there are policies directly authorized to CAM sub-user
Basics
Rule type Managed rule
Rule name Checks whether there are policies directly authorized to C
Rule ID cam-user-policy-directly-bound
Risk level Low risk
Creation time 2022-11-22 18:22:46
Description If there are no authorized policies directly added for the
Owner account
Associated resources
Rule application scope
Resource type QCS::CAM::User(CAM - User);
Tag -
Region -
Rule exclusion scope
Resource ID -
Trigger type
Trigger Periodically;
Frequency 24 hours
Parameter
Rule input parameter name
Relationship
Expected value
None

Evaluating Rule

Last updated：2024-03-04 14:26:59

Evaluation can be automatically triggered by the system or manually triggered by users for enabled rules. For disabled rules, evaluation can only be triggered after they are **enabled**.

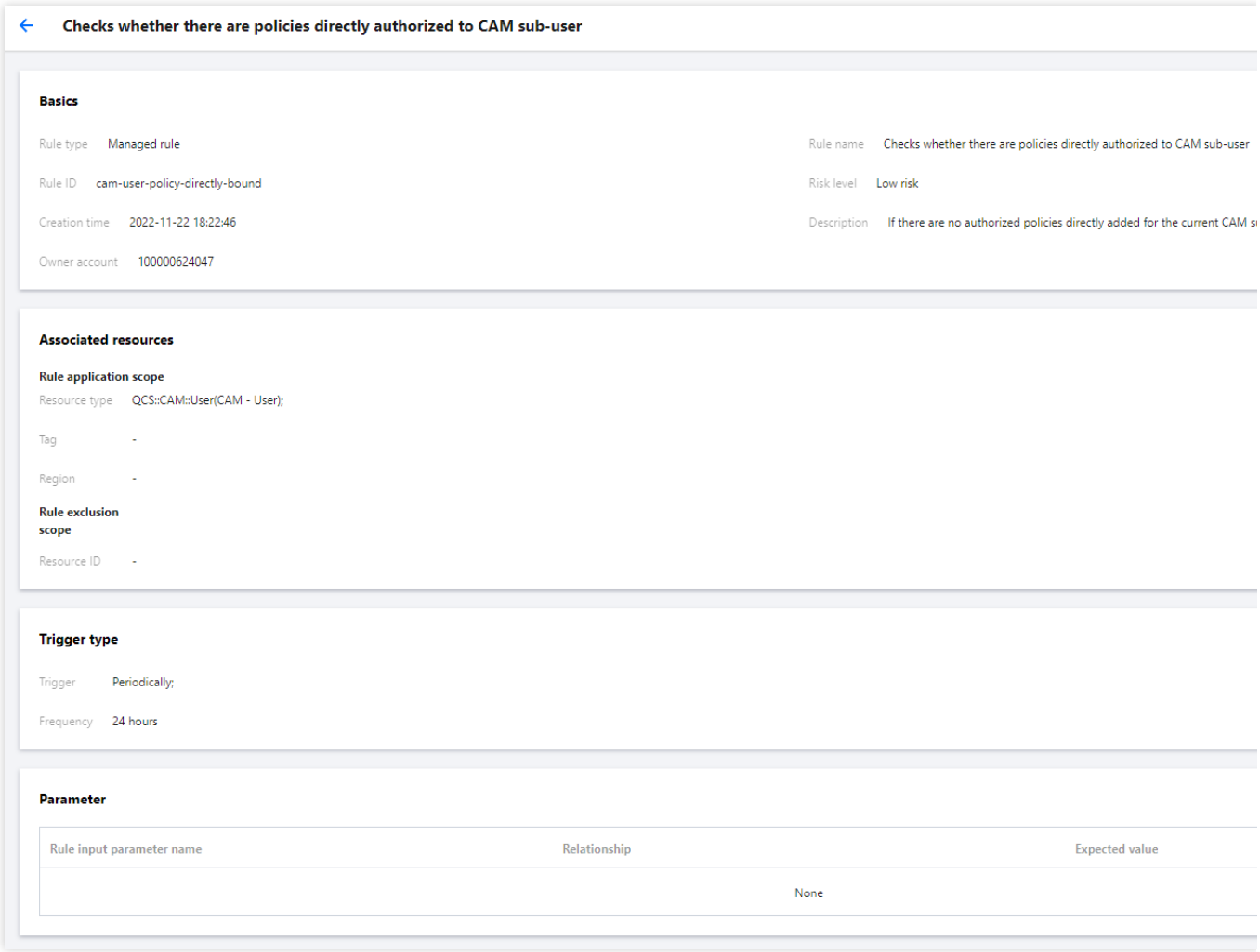
Manual triggering

Single rule

Users **create** a rule or **edit** an existing rule and then save the changes.

Users **enable** a disabled rule.

Users click on **Evaluate** on the rule details page.



Multiple rules

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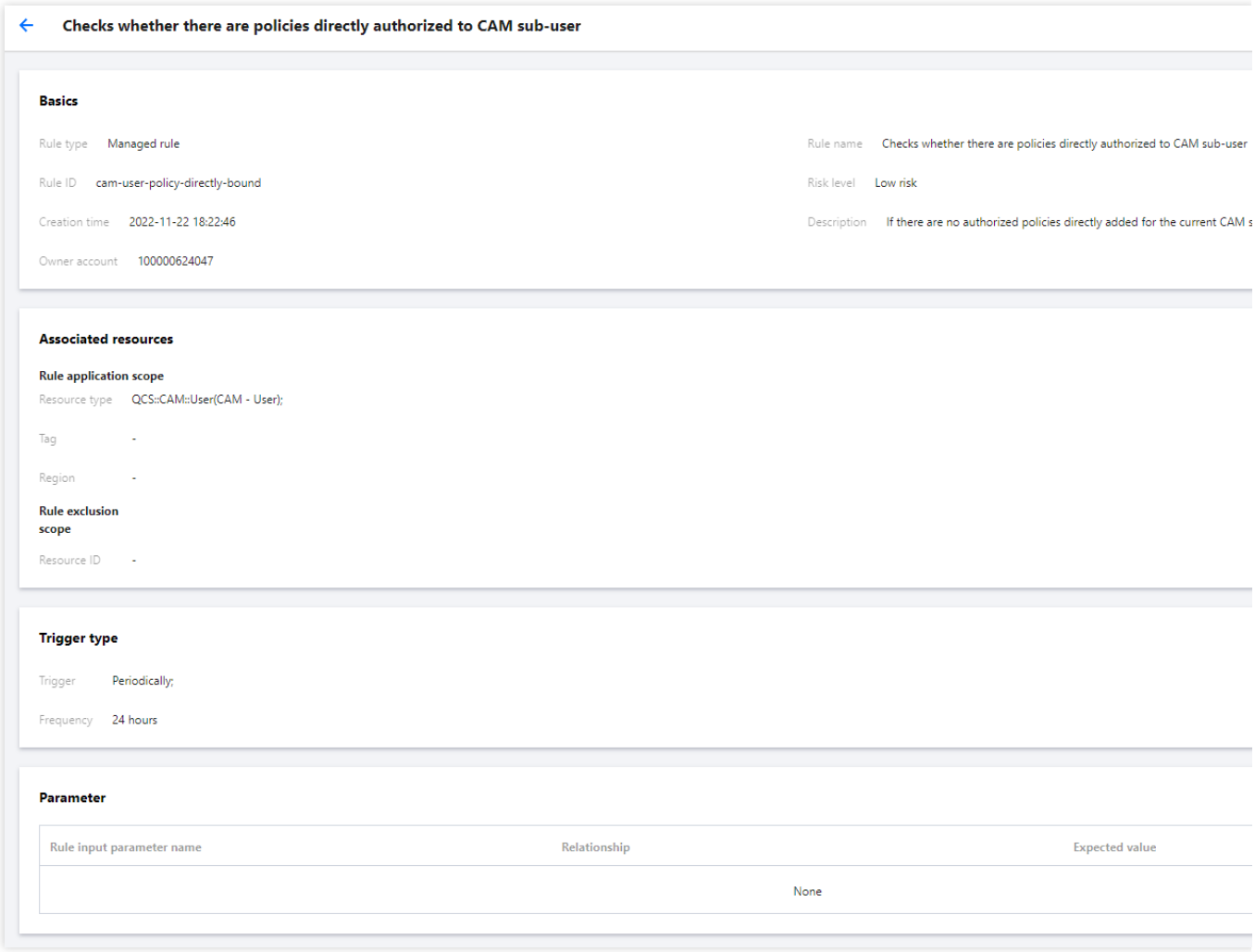
Evaluation based on multiple rules in a conformance pack can be triggered in the following scenarios:
Users create a conformance pack or edit an existing conformance pack and then save the changes.
Users click on **Evaluate** on the conformance pack details page.



Automatic triggering

If users have configured an execution cycle for a rule or conformance pack, the evaluation will be automatically performed based on the settings each day. The first evaluation on each day starts at 00:30.

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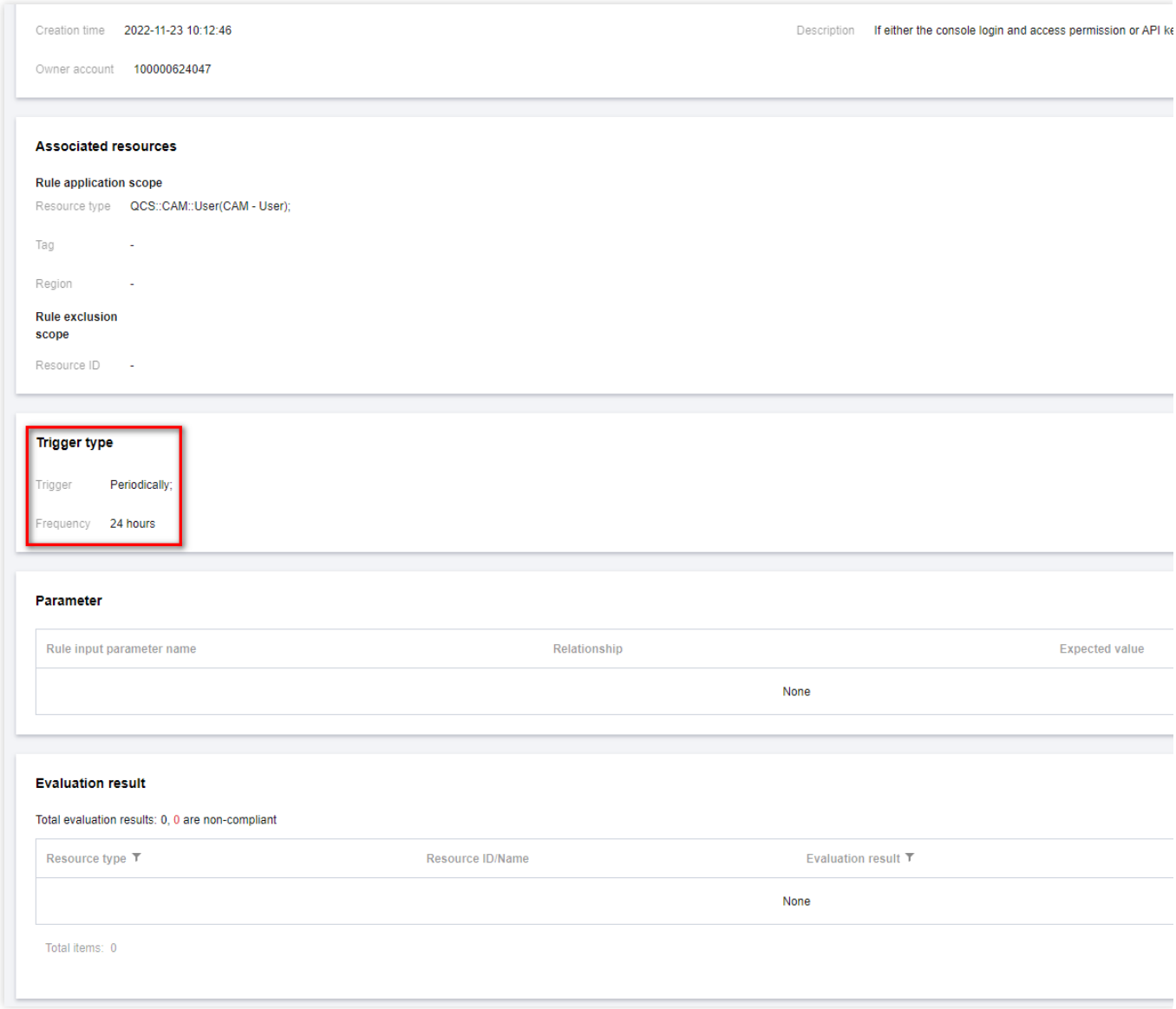

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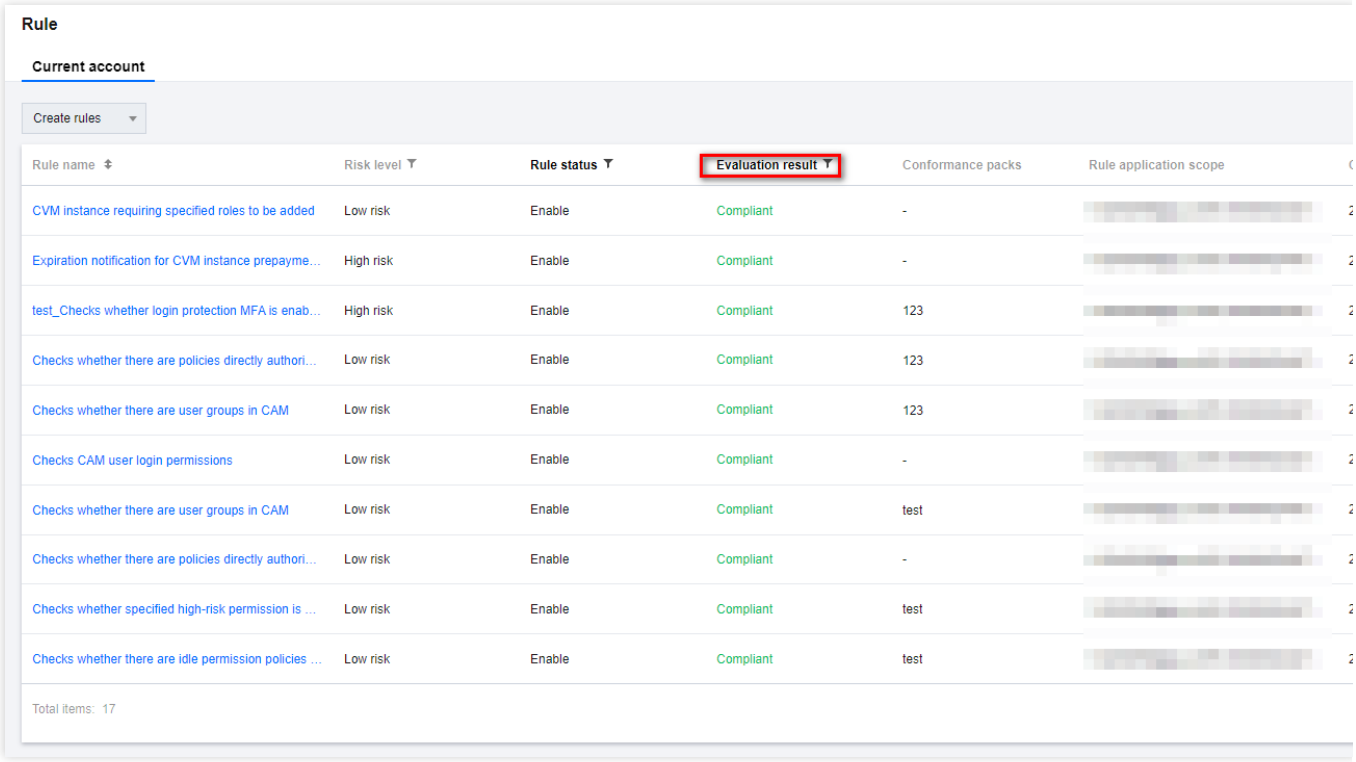
Viewing Rule Evaluation Results

Last updated：2024-03-04 14:26:59

After rule-based evaluation is completed, you can view the evaluation result in the following ways:

1. Click **Rule** in the left sidebar to go to the **Rule** page. Then, click the rule name to go to the **rule details** page. You can view the most recent results of evaluation on all associated resources.



2. Click **Resource** in the left sidebar to go to the <**Resource** page. Then, click the resource name to go to the **resource details** page. In the Latest compliance evaluation result section, you can view the latest evaluation results of this resource corresponding to all associated rules.

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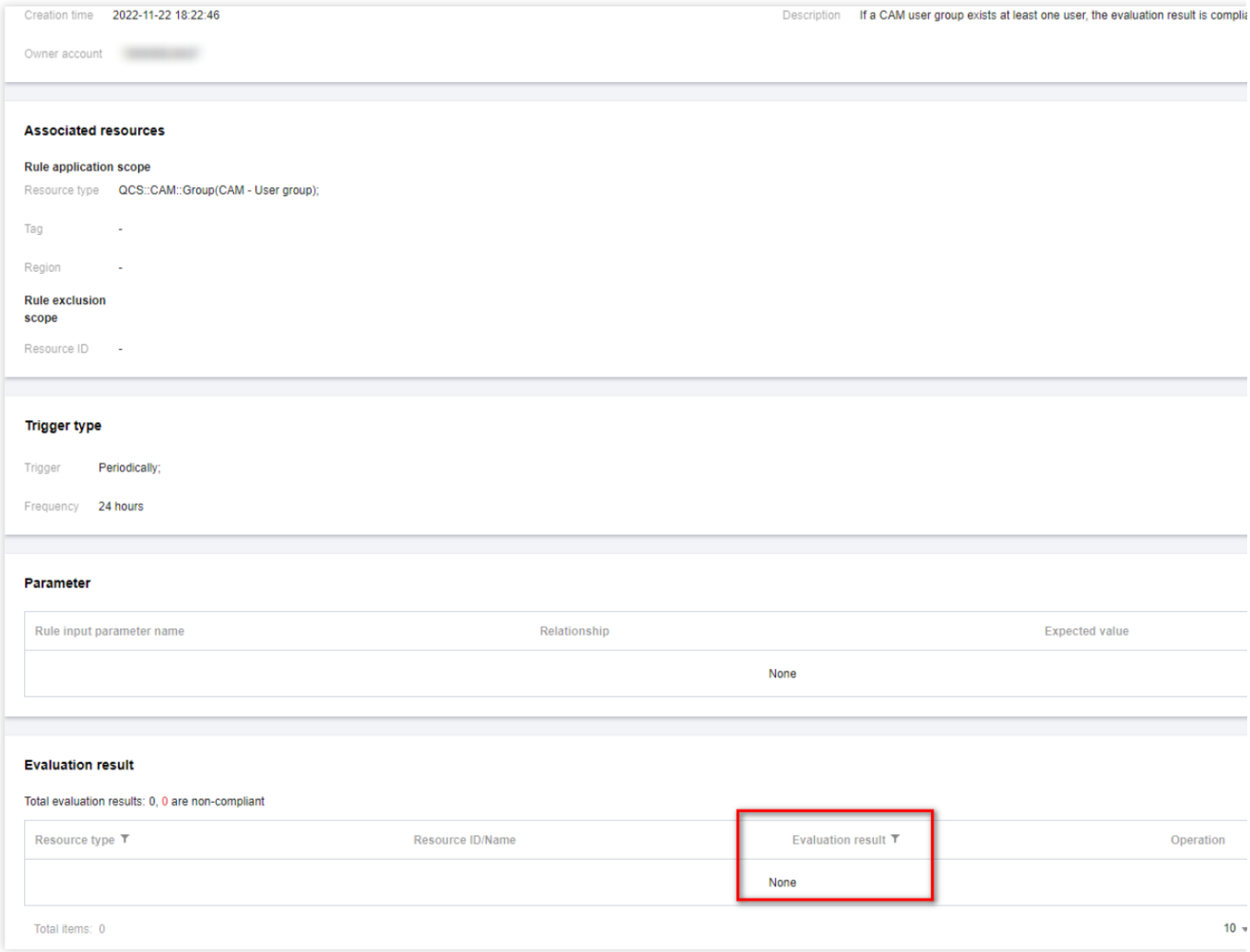

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Conformance Pack
Supported Conformance Pack Template

Last updated：2024-03-04 14:13:26

Currently, Config provides a predefine conformance pack template based on best practices of account security. For other templates, you can submit a ticket.

Conformance Pack Template	Managed Rule
Best practices of account security	MFA on sensitive operations for CAM users.
	MFA on login for CAM users.
	No idle user groups on CAM.
	Association with user group required for CAM user.
	No authorization policies directly added to CAM sub-accounts.
	No administrator access permission granted to CAM users, user groups, or roles.
	Granting of specific high-risk permissions by CAM not allowed.
	No idle permission policies on CAM.
	CAM login permission check.
	Key of CAM user rotated at specified interval.
	Login of CAM user within specified time range.

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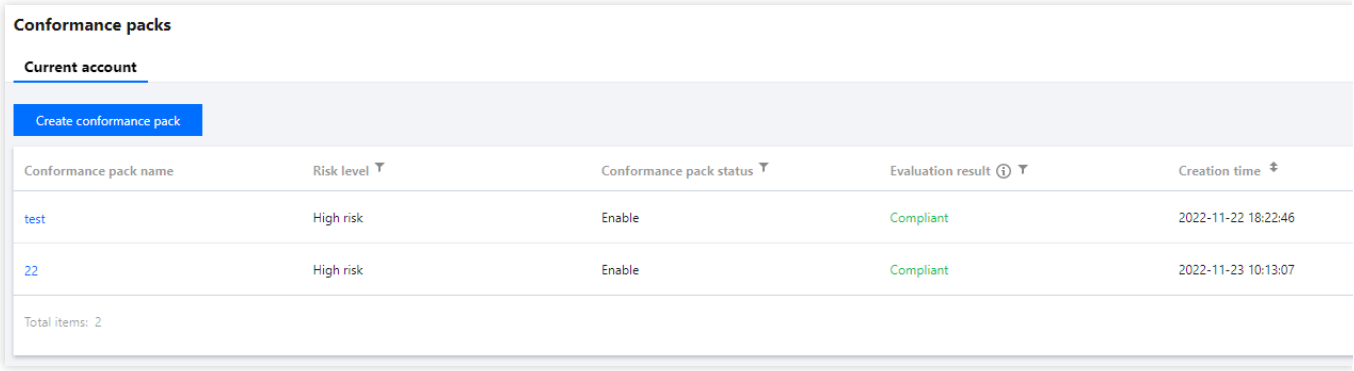
Managing Conformance Packs
Viewing Conformance Pack List

Last updated：2024-03-04 14:13:26

Click **Conformance Pack** in the left sidebar to go to the **Conformance packs** page. On this page, you can view all the conformance packs under the current account. You can also filter the packs by pack name, risk level, pack status, and evaluation result.



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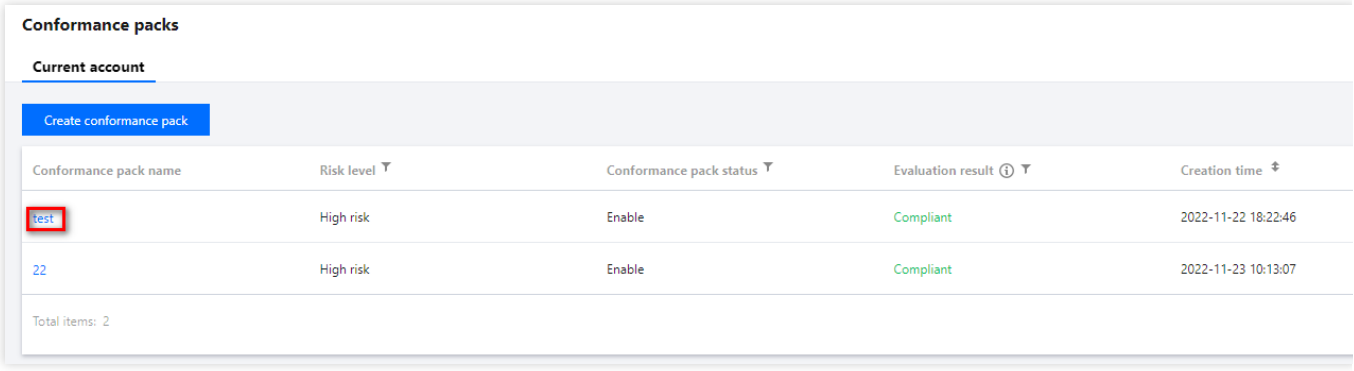
Viewing Conformance Pack Details

Last updated：2024-03-04 14:13:26

In the **conformance pack list**, you can click the name of a conformance pack to go to the **details** page. This page displays the basic attributes of the conformance pack, the rules it contains, and the evaluation results. You can also **edit** or **delete** the conformance pack, perform evaluation based on the conformance pack, and **add**, **remove**, or **delete** rules on the details page.



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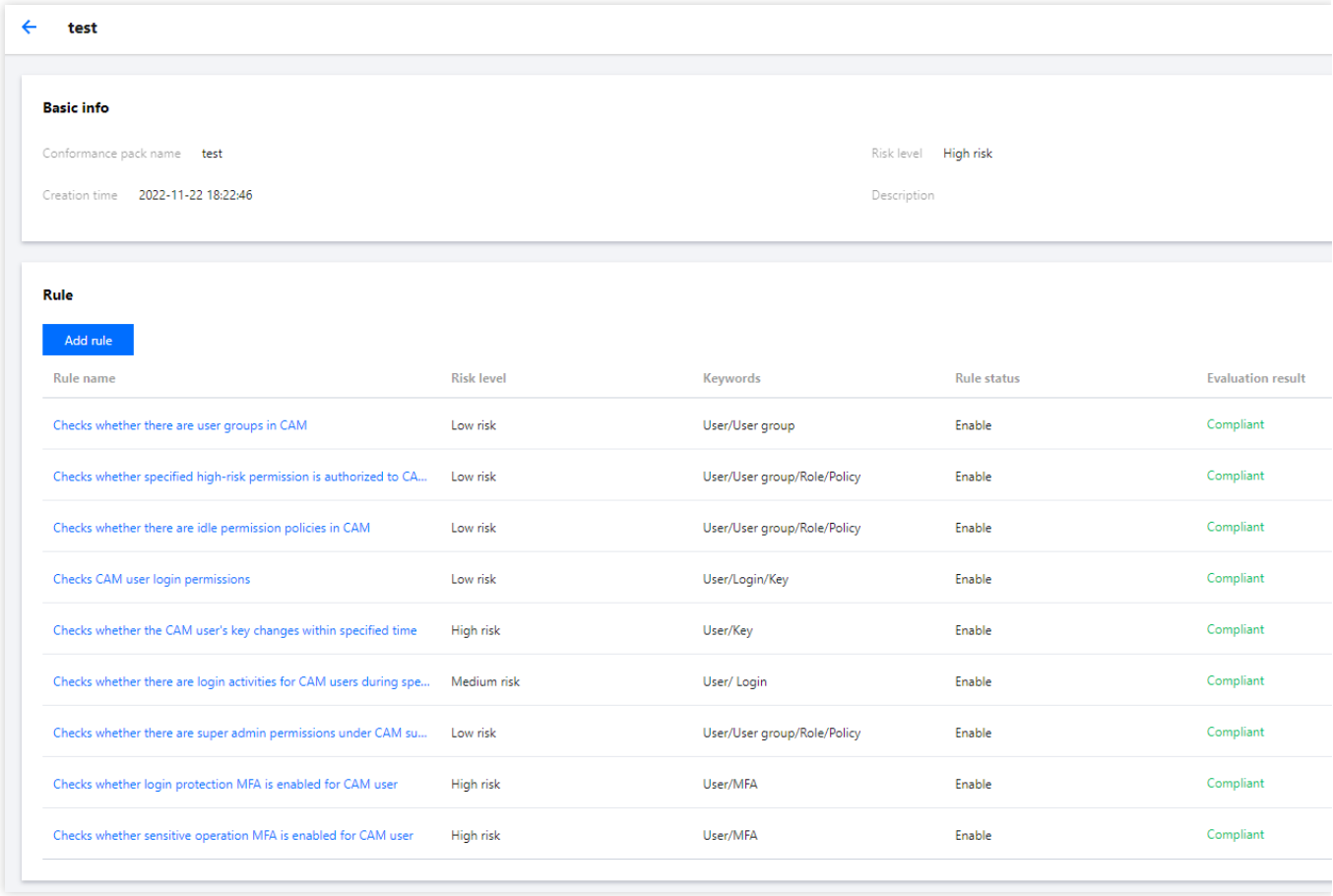

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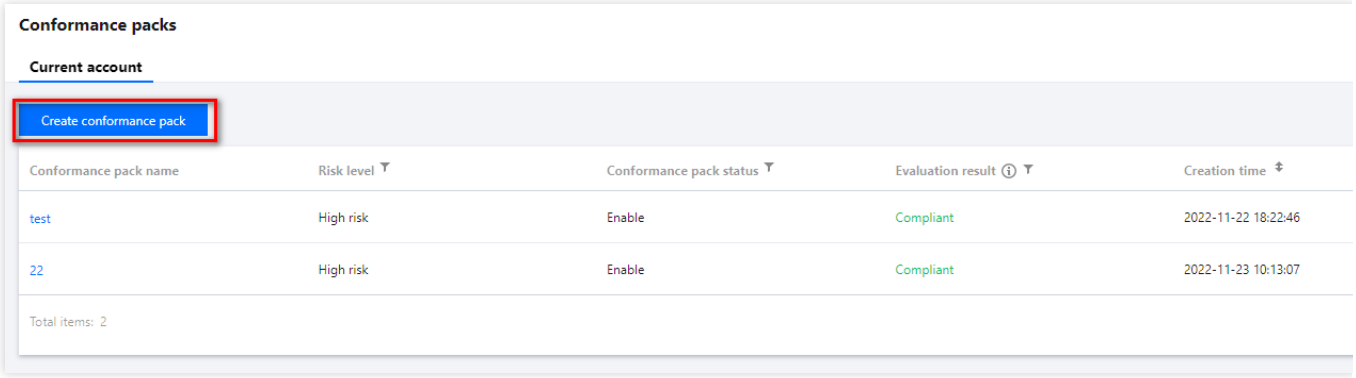
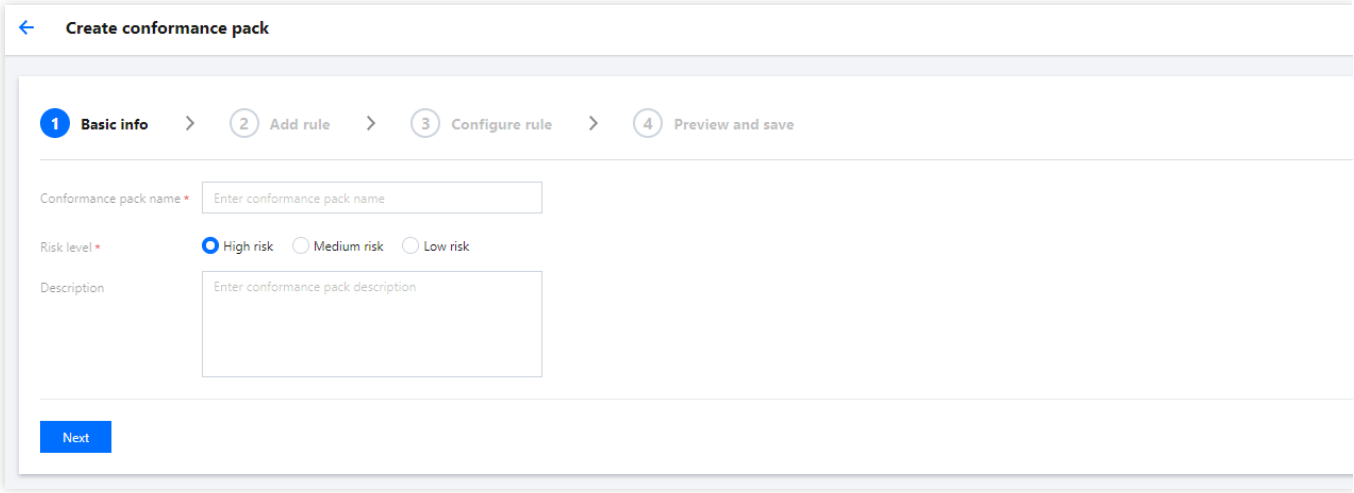
Creating Conformance Pack

Last updated：2024-03-04 14:13:26

To create a conformance pack, click **Conformance Pack** in the left sidebar to go to the **Conformance packs** page, click **Create conformance pack**, and set the basic attributes, add rules, and configure rule parameters.





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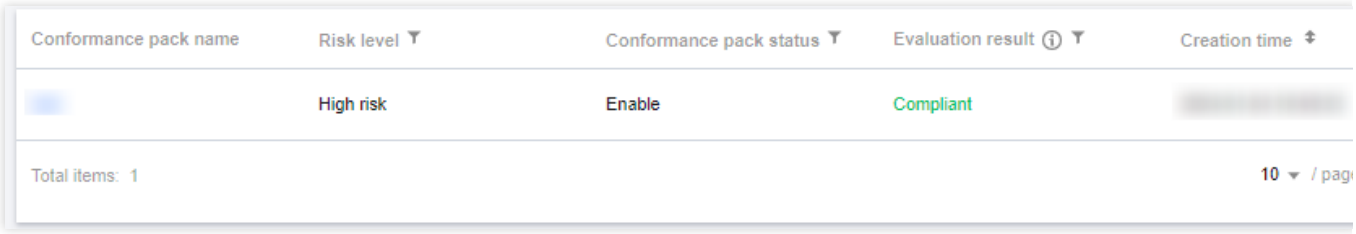
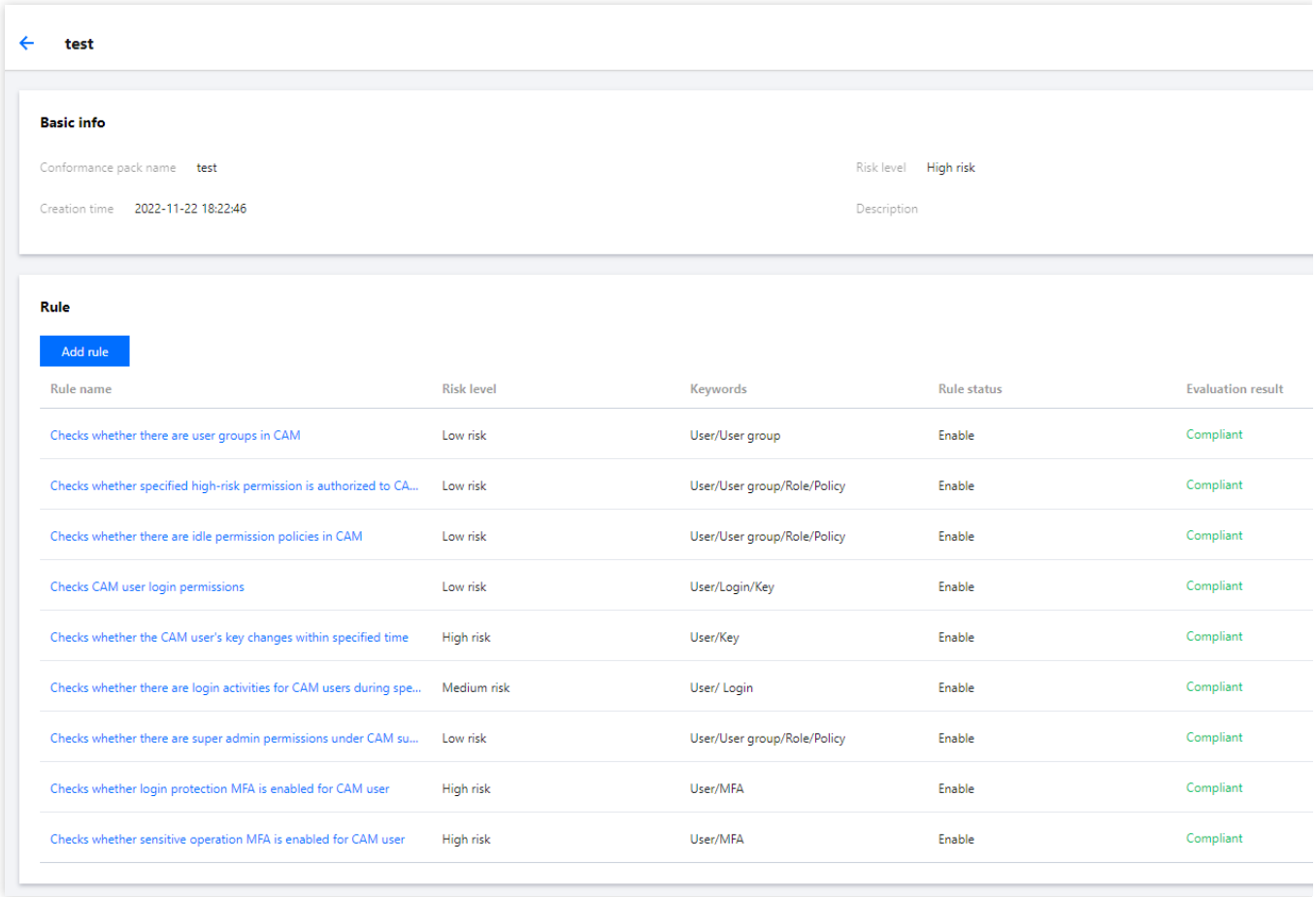
Editing Conformance Pack

Last updated：2024-03-04 14:13:25

Find the target pack in the **conformance pack list** and then click **Edit** in the Operation column to edit the pack.



You can also click **Edit** at the top of the **conformance pack details** page to edit the pack.



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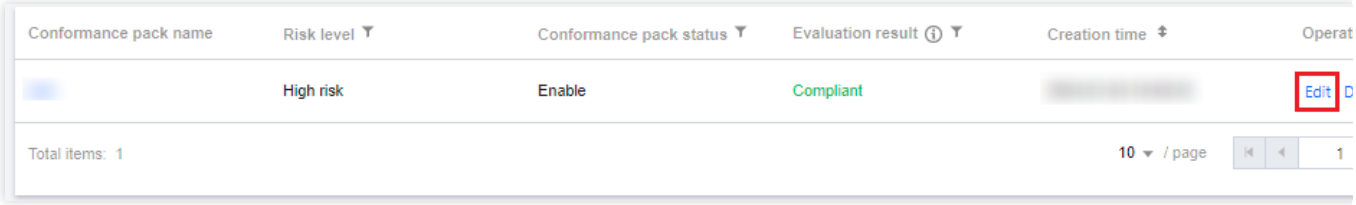
Adding/Removing Rule

Last updated：2024-03-04 14:13:26

To add rules existed in the **rule list** to the conformance pack, click **Edit** in the conformance pack list and add the rule in the step **Add rule**. You can also go to the **conformance pack details** page and add rules in the step **Add rule**. In addition, you can remove rules from the conformance pack.

If the select rule is a managed rule or has been added to the conformance pack template or a custom conformance pack, the system will automatically duplicate and add the rule to the current conformance pack.

Click **Edit** in the **conformance pack list**.



Select the rules to add in the step **Add rule**.

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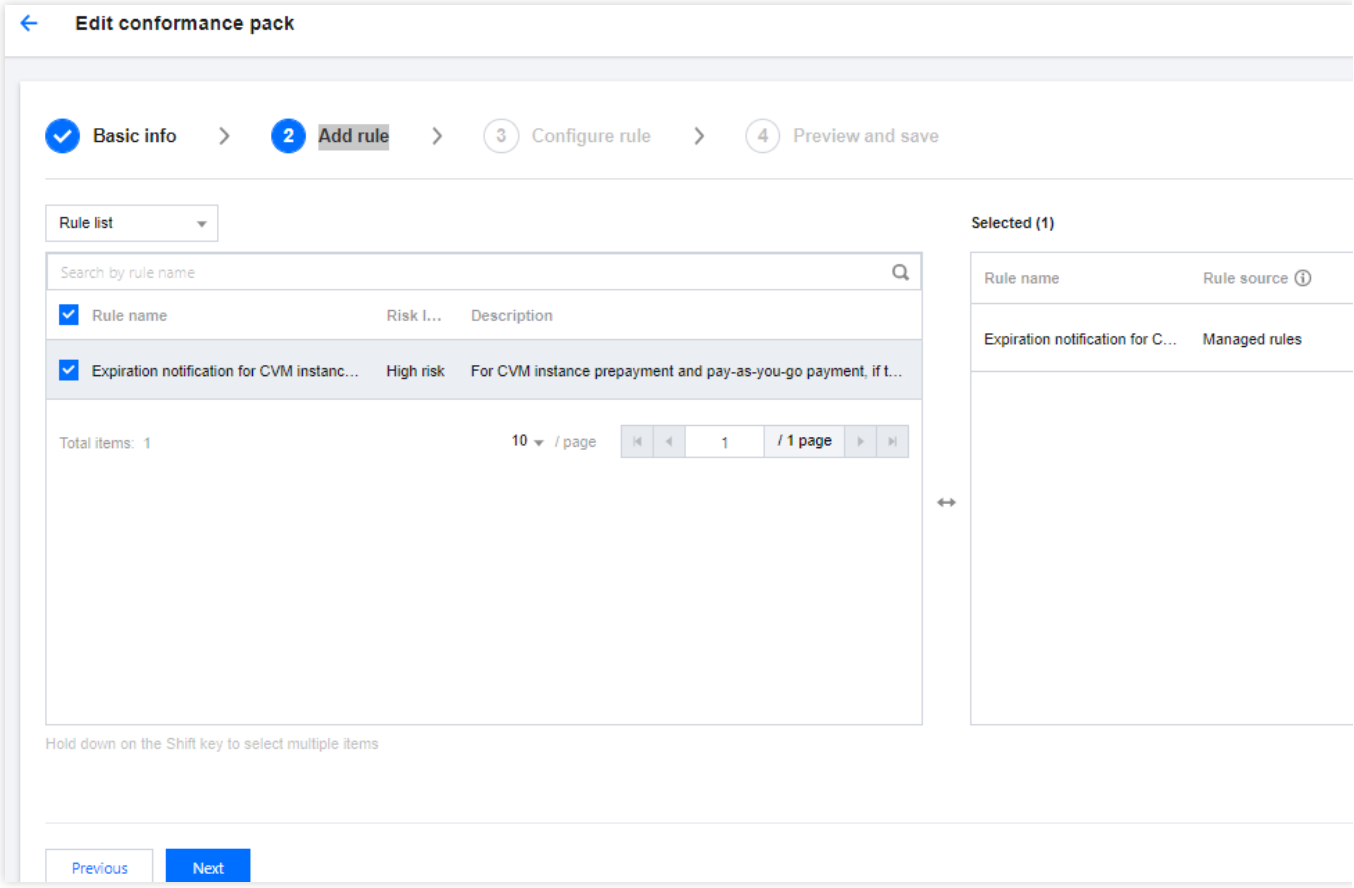
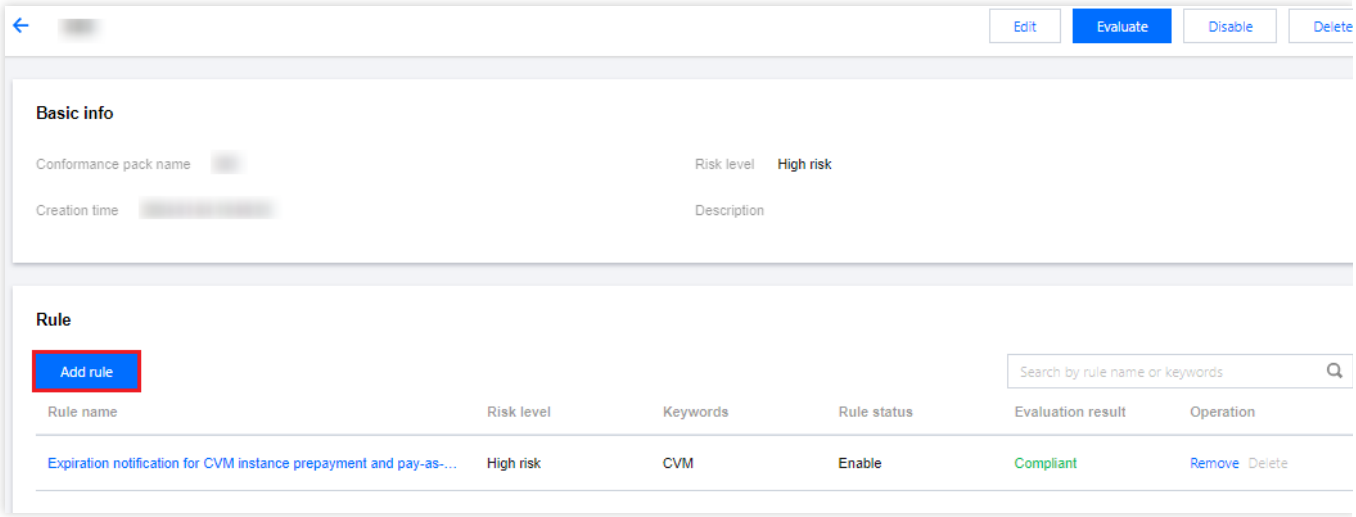


Go to the **conformance pack details** page, and select the target rule in the step **Add rule**.



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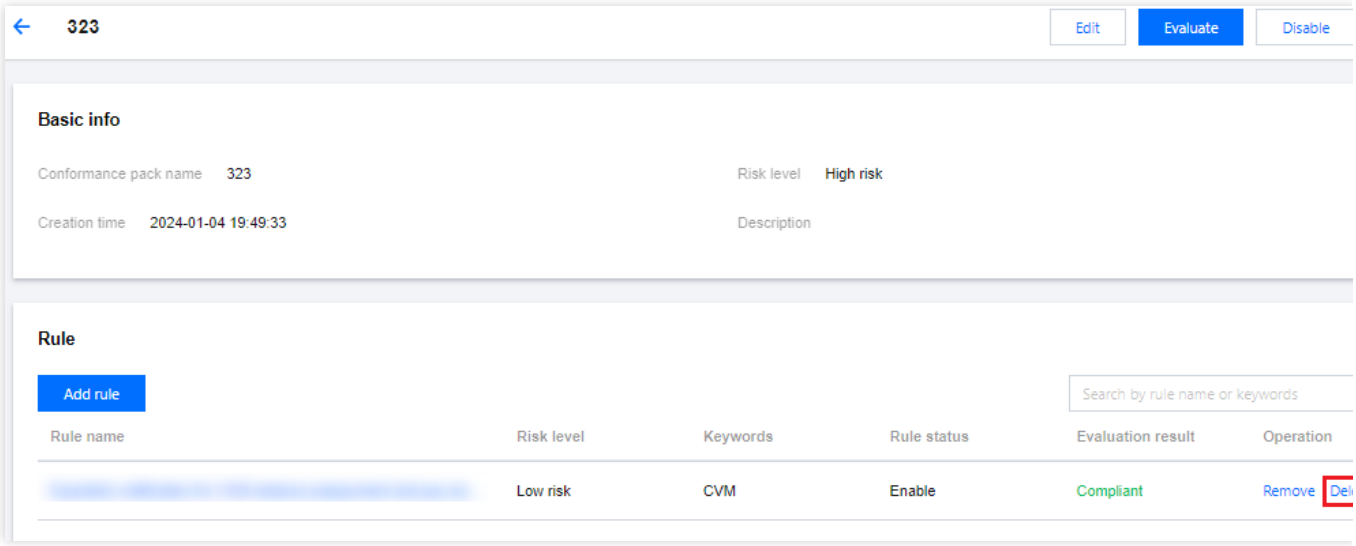
Deleting Rule

Last updated：2024-03-04 14:13:25

In the **conformance pack details** page, you can click **Delete** in the rules area to delete rules in the current conformance pack.



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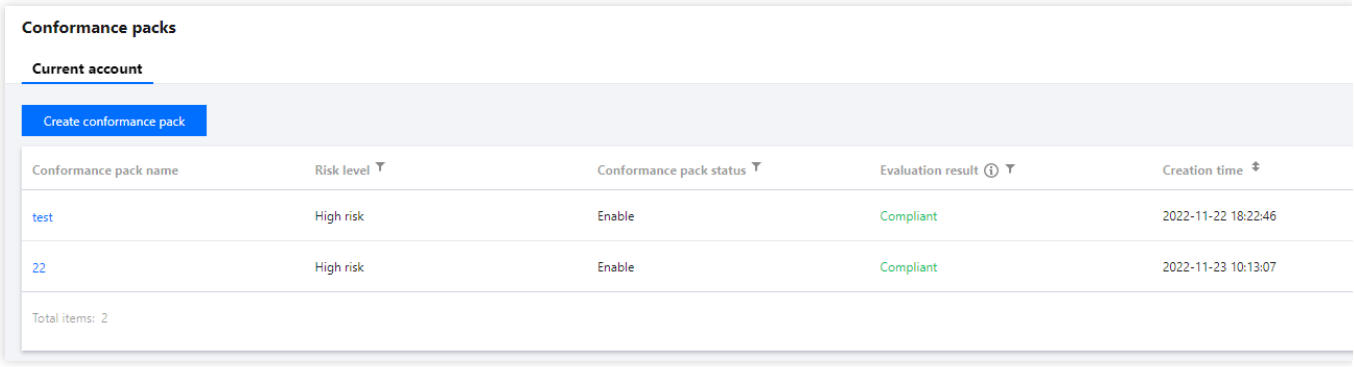
Deleting Conformance Pack

Last updated：2024-03-04 14:13:25

For conformance page that are no longer required, you may directly click on **Delete** in the **Conformance packs List** or **Conformance packs Details** page. When a conformance pack is deleted, the rules within the package will be concurrently removed.

For conformance packs that are no longer needed, you can click **Delete** in the **conformance pack list** or on the **conformance pack details** page. When a conformance pack is deleted, the rules in the pack will be deleted as well.



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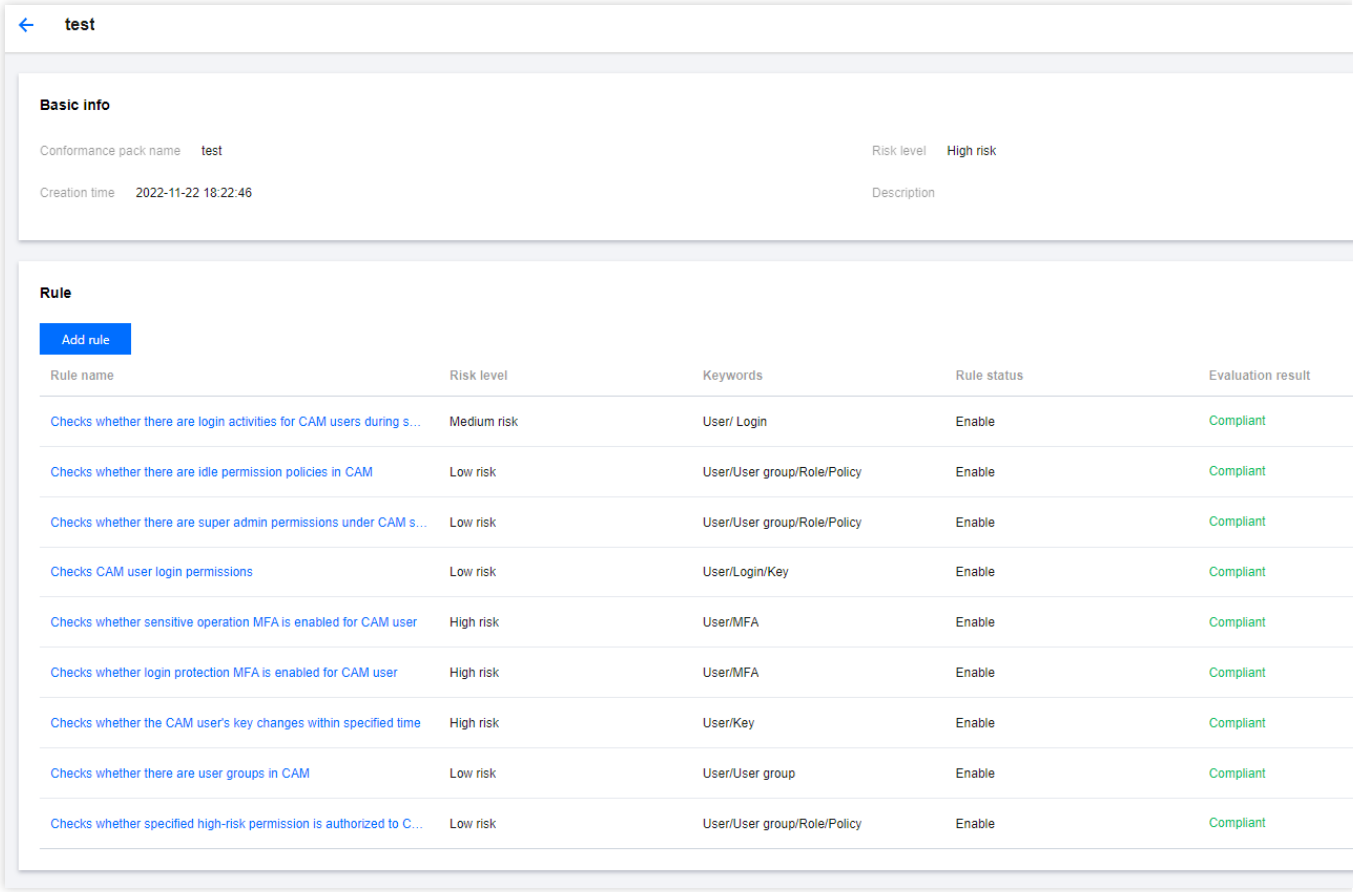

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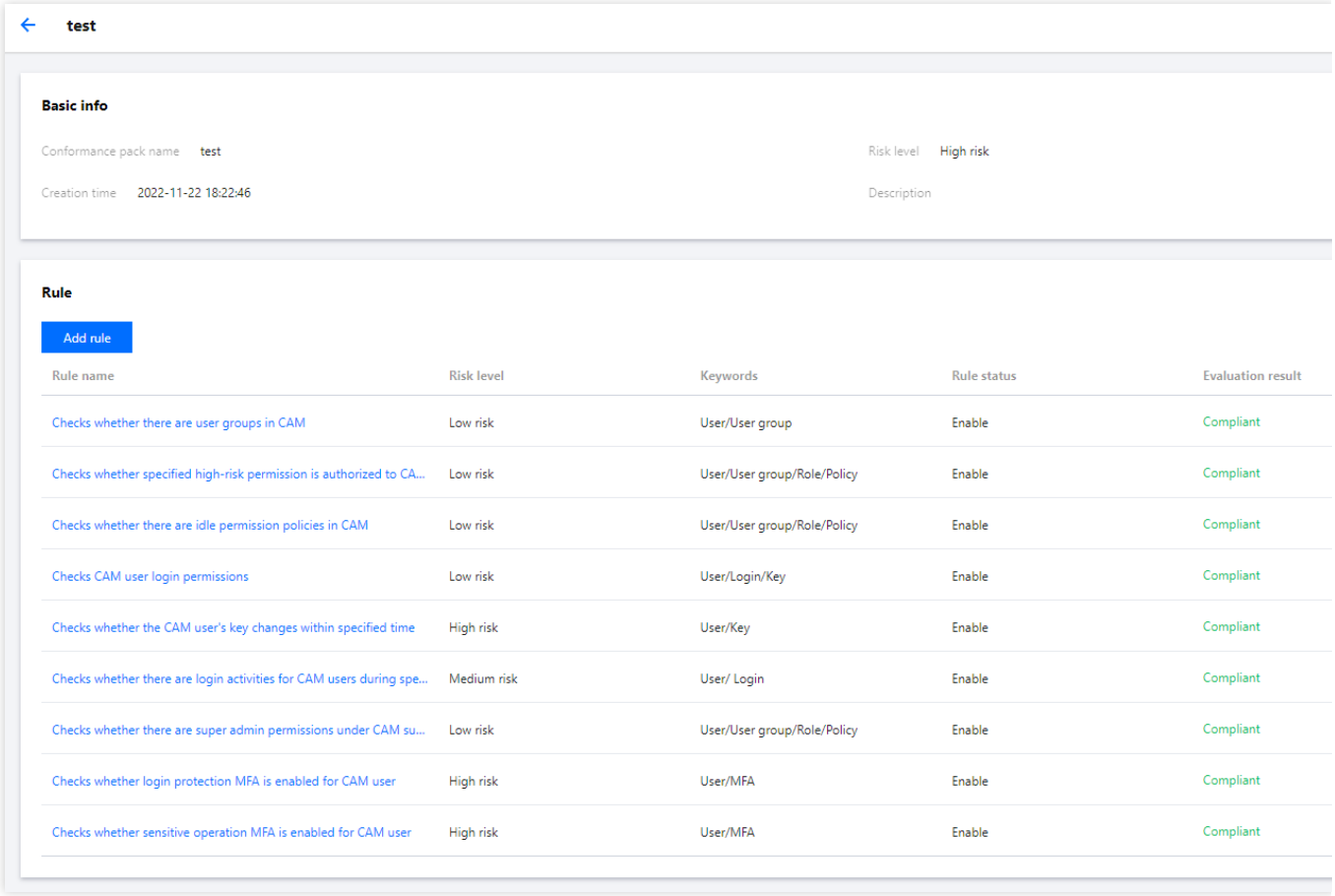
Evaluating Conformance Pack

Last updated：2024-03-04 14:13:26

Evaluation can be triggered automatically by the system or manually by the user for enabled conformance packs.

Manual triggering

User operations include **Create conformance pack** and saving after **editing**.
Users can click on **Evaluate** compliance package on the **Compliance Package Details** page.



Automatic triggering

Users can configure an execution cycle for rules in the conformance pack. Evaluation will be automatically performed at the specified time.

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Viewing Conformance Pack Evaluation Results

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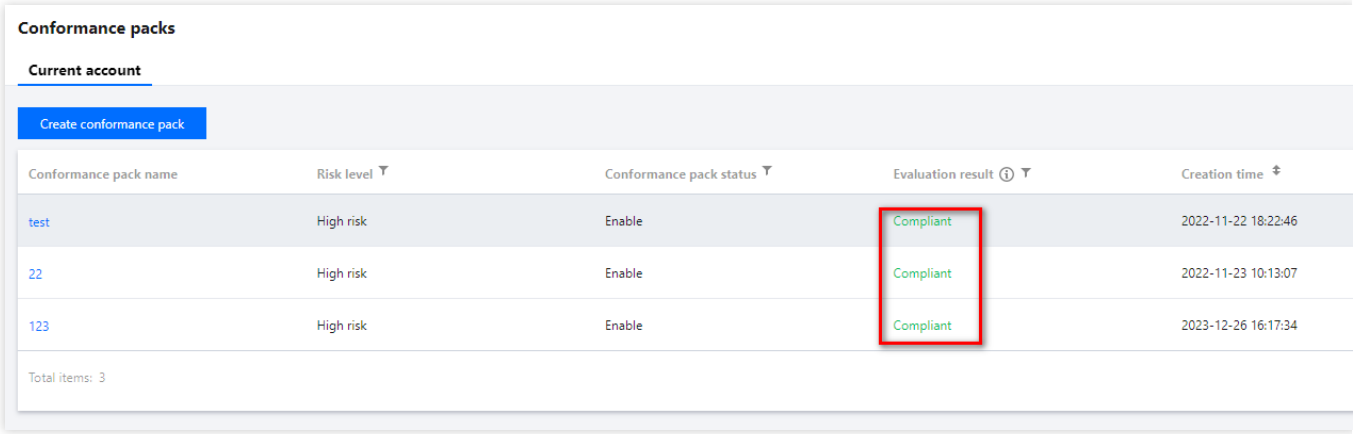
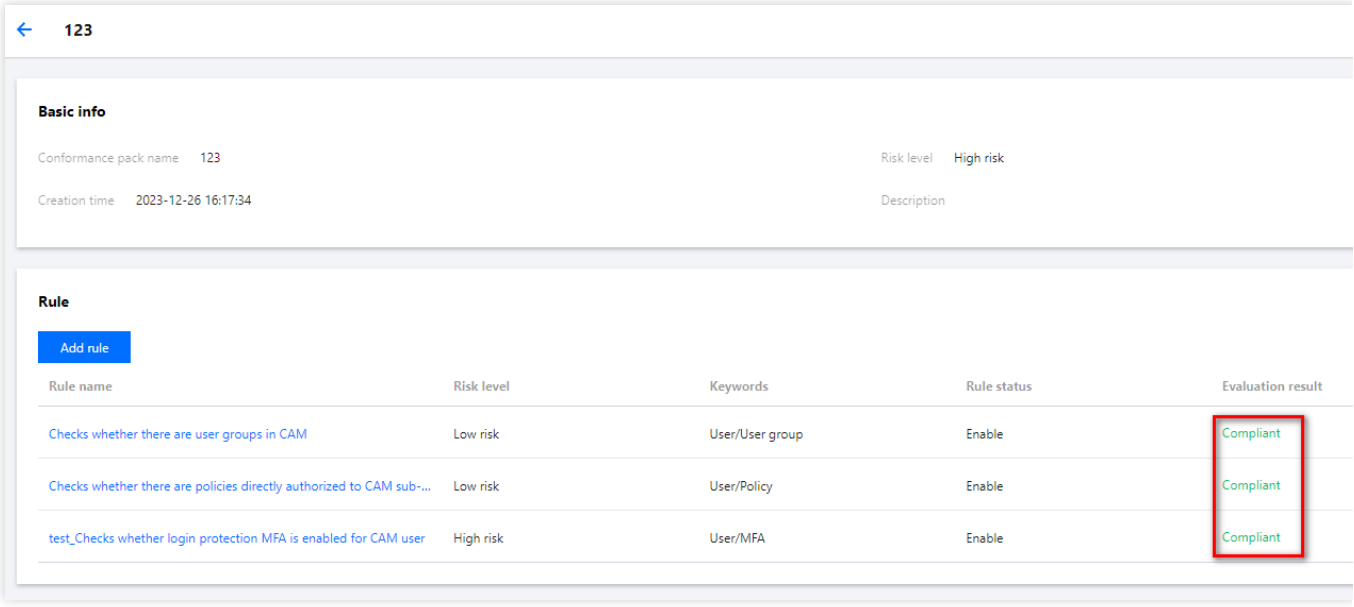
You can view the evaluation result of each conformance pack in the **conformance pack list**. If the results of evaluation based on all rules in the conformance pack are Compliant, the overall result of the conformance pack is Compliant. Otherwise, the overall result is Non-compliant.



If you want to view the results of each rule in the conformance pack, you can click the conformance pack name to go to the **details** page and view the results.



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Settings
Monitoring Management

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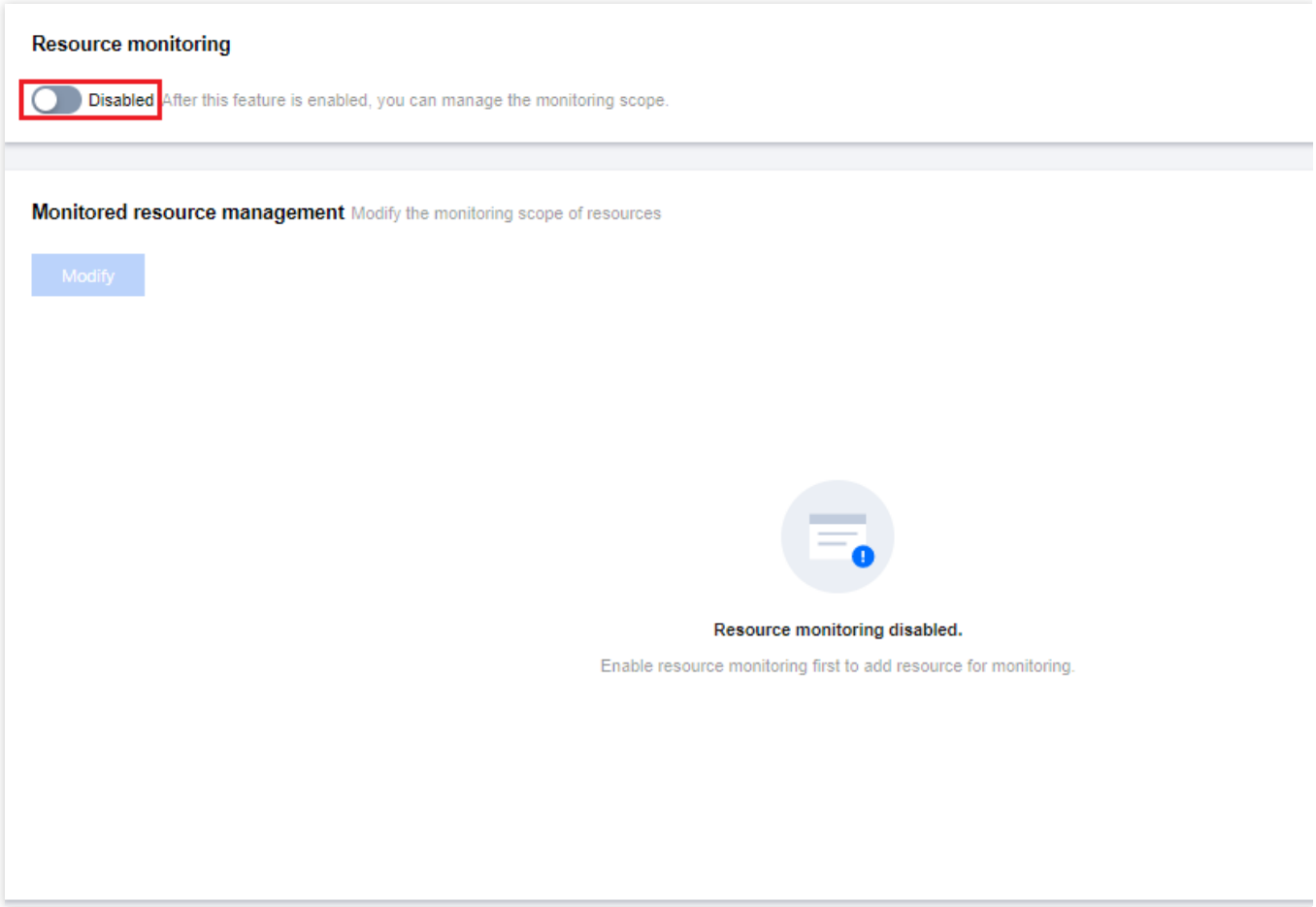
You can choose **Settings > Service Settings** to enable resource monitoring and set the scope of resources to be monitored.

Enabling Resource Monitoring

You can enable resource monitoring on the **Monitoring Management** page. If resource monitoring is enabled for the first time, you need to authorize the corresponding role (Config_QCSLinkedRoleInConfigRecorder) and select the types of resources to be monitored. For resource types supported by Config, see Supported Resource Types.



Disabling Resource Monitoring

If resource monitoring is not needed, you can disable it on the **Monitoring Management** page. Once disabled, Config no longer monitors and updates resource configuration changes. The stored resource configuration data,

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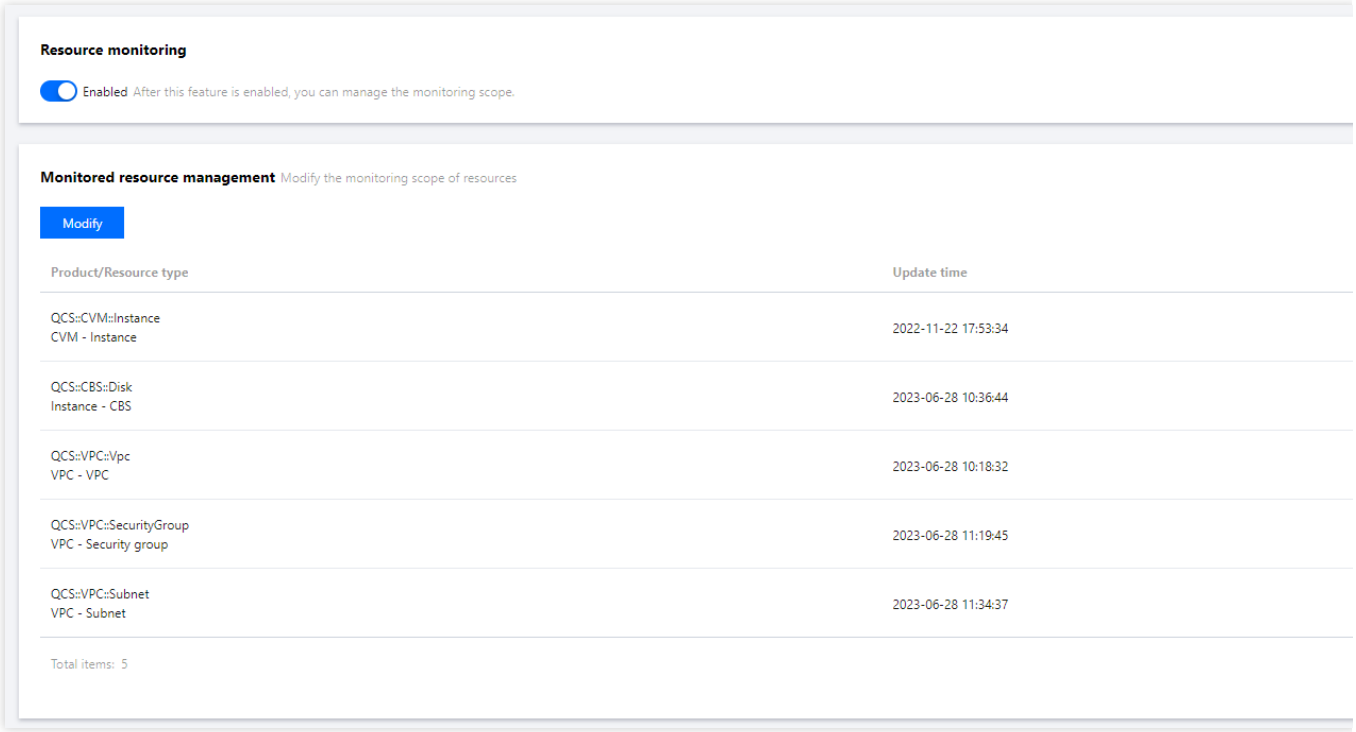
created rules, and compliance evaluation results will be cleared and cannot be recovered. However, historical data that have been delivered to the COS bucket will not be affected.



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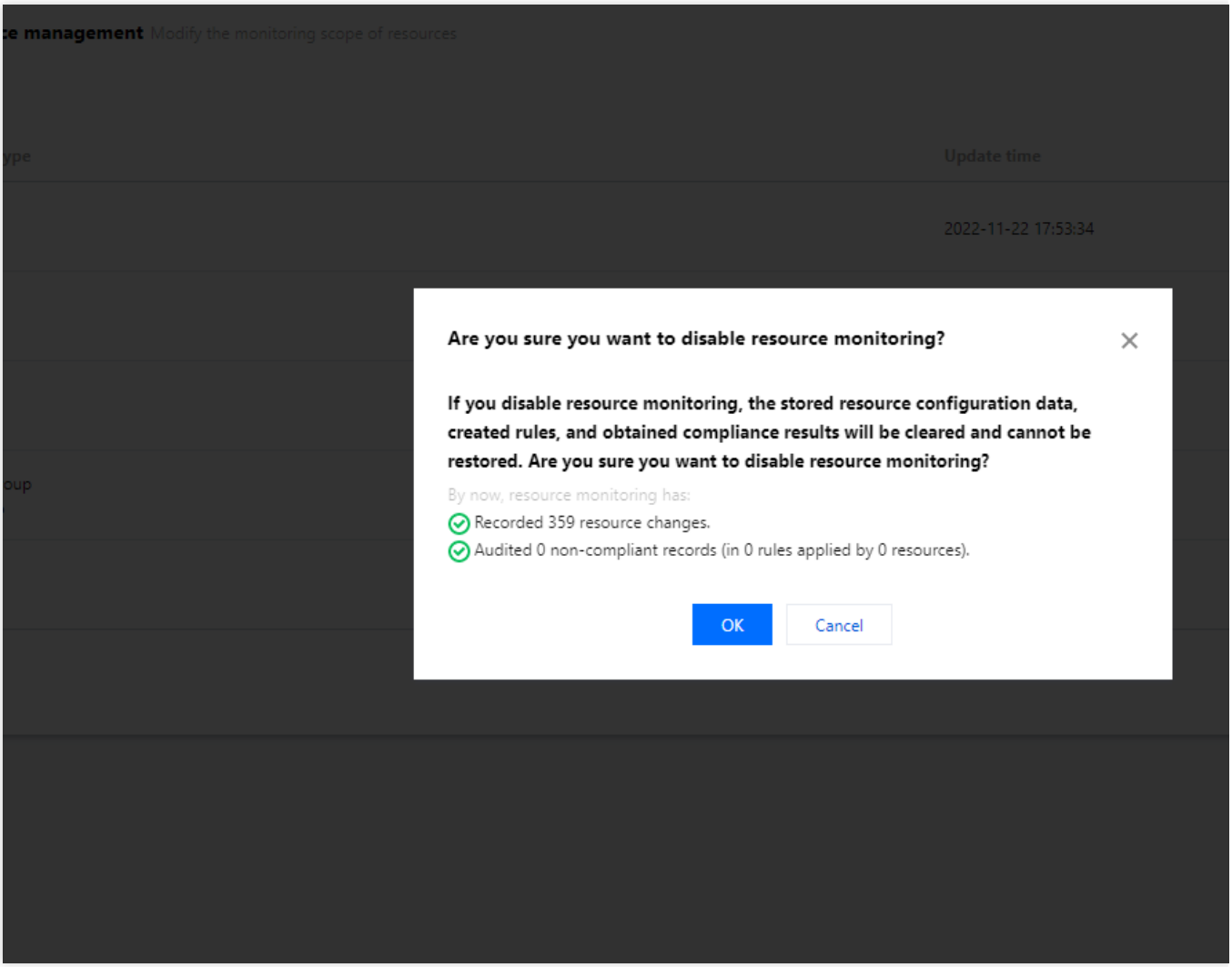

Monitoring scope change

If you have already enabled resource monitoring, you can click **Modify** to change the types of resources being monitored. Monitoring scope changes will result in the addition of new resources to the resource list, corresponding updates, and re-evaluation based on existing rules and conformance packs under your account. This process is expected to take about 10-15 minutes. Please wait patiently.

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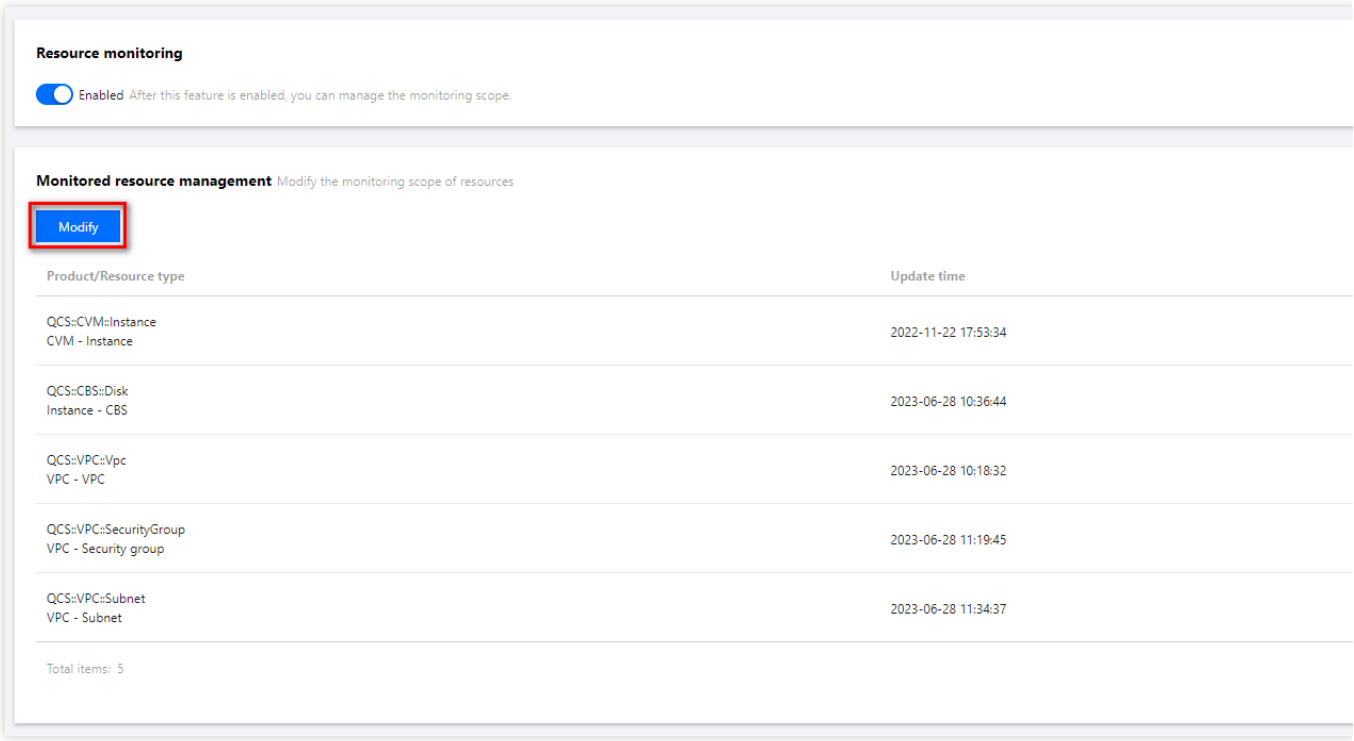

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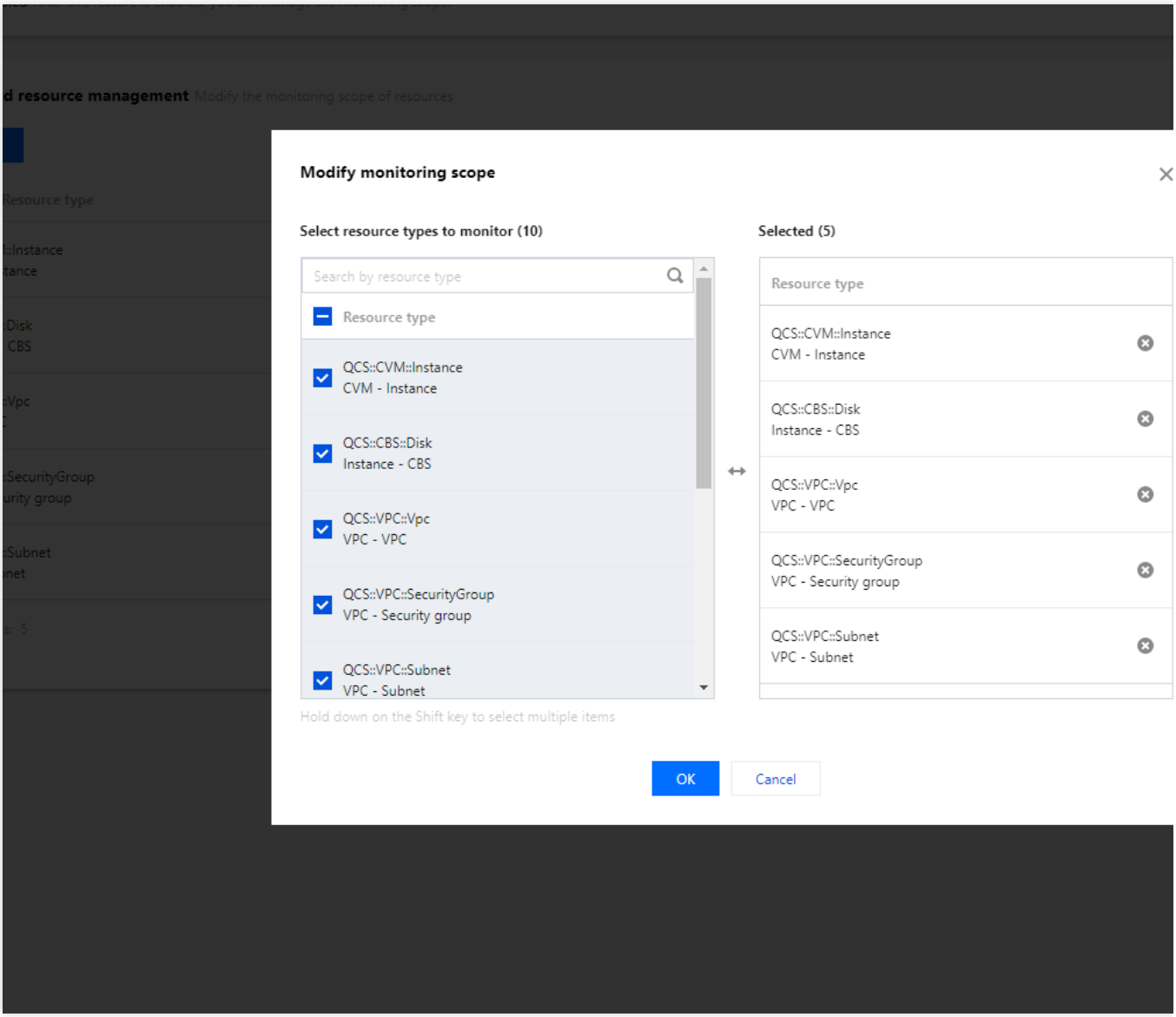

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Delivery Service

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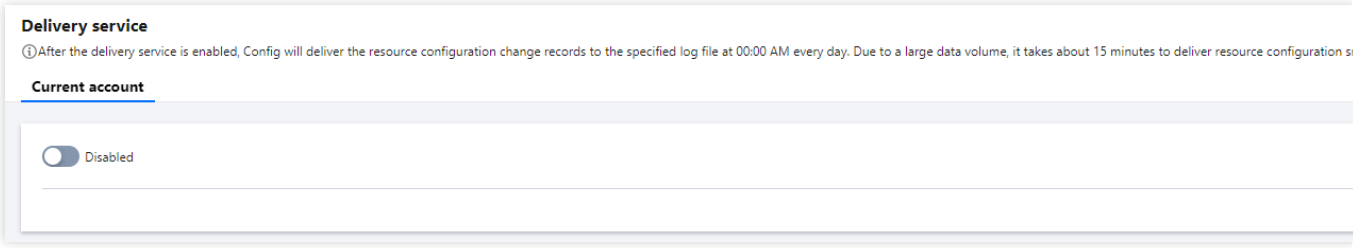
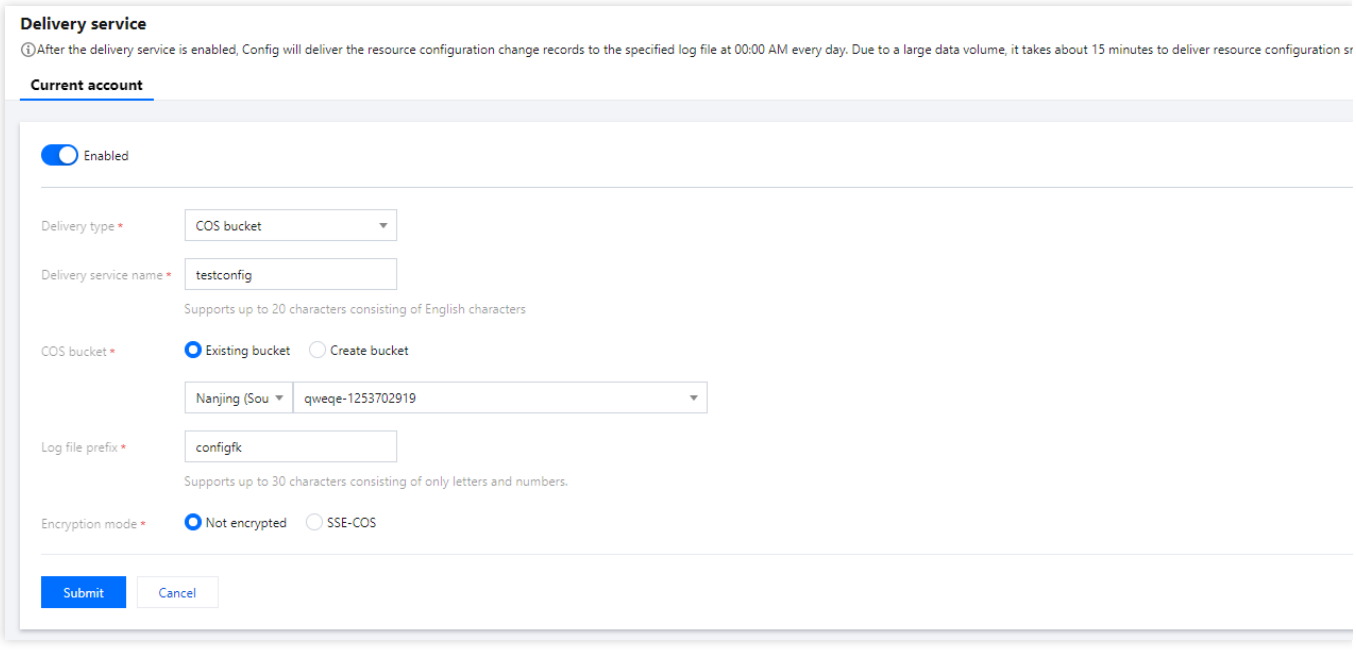
Delivering Resource Configuration Change Records

You can choose **Settings** > **Delivery Service** in the left sidebar to go to the **Delivery service** page. On this page, you can **enable** and configure the delivery service to deliver the resource configuration change records on the resource timeline page to the specified COS bucket regularly. This allows for a more detailed analysis and longer-term storage of the resource configuration data.





Upon activating the delivery service, the configuration audit will deliver the resource configuration change history to your designated COS bucket daily at 00:00 when the timeline is updated. When you **Disable** the delivery service, updates to the timeline will not be stored in the corresponding bucket.
Once the delivery service is enabled, Config delivers the resource configuration changes to the specified COS bucket at 00:00 every day if the change records are updated on the timeline page. If the service is **disabled**, resource

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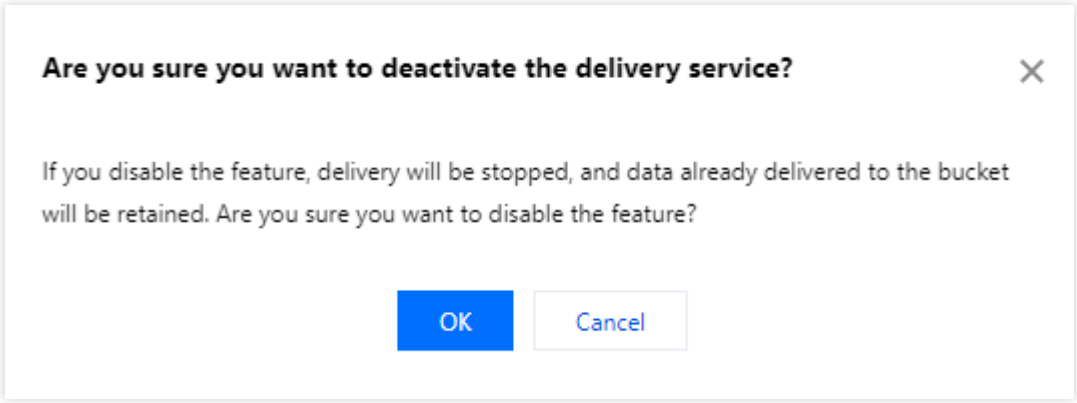
configuration record updates on the timeline page will not be delivered to the corresponding bucket.



Config will take about 10 minutes to pull resource configuration snapshots and deliver them to the COS bucket. Therefore, a certain delay exists for data updates in the COS bucket. Please wait patiently.

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Resource Snapshot Update

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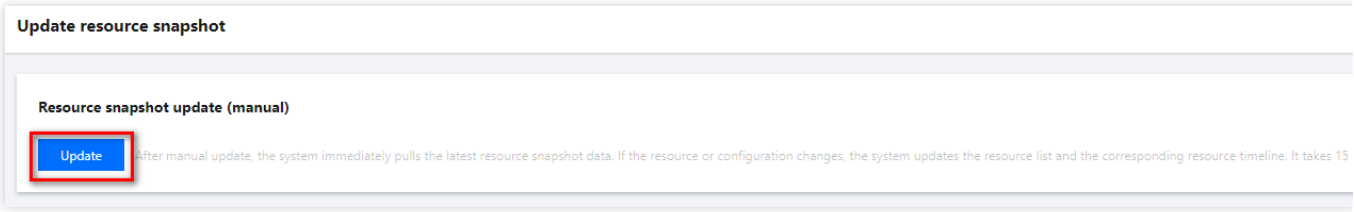
Click on **Update**, the system will promptly retrieve the latest resource snapshot data, and update the resource list and corresponding resource timeline based on the captured most recent resource snapshot data.
After you click **Update**, the system will promptly pull the latest resource snapshot data and update the resource list and corresponding resource configuration records on the timeline page based on the captured resource snapshot data.



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