# Alibaba Cloud CloudConfig

## Resource List

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# Document conventions

| Style | Description | Example |
| --- | --- | --- |
| | 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. |
| | 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. |
| | 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. |
| | A note indicates supplemental instructions, best practices, tips, and other content. | **Note:** You can use Ctrl + A to select all files. |
| > | Closing angle brackets are used to indicate a multi-level menu cascade. | Click **Settings** > **Network** > **Set network type**. |
| **Bold** | Bold formatting is used for buttons, menus, page names, and other UI elements. | Click **OK**. |
| `Courier font` | Courier font is used for commands. | Run the `cd /d C:/window` command to enter the Windows system folder. |
| Italic | Italic formatting is used for parameters and variables. | `bae log list --instanceid` *Instance_ID* |
| [] or [a\|b] | This format is used for an optional value, where only one item can be selected. | `ipconfig [-all\|-t]` |

| Style | Description | Example |
| --- | --- | --- |
| {} or {a\|b} | This format is used for a required value, where only one item can be selected. | switch {active\|stand} |

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# 1 Overview

After you authorize Cloud Config to access your resources, you can view the resources that reside in different regions under your account in Cloud Config. You can set filters or enter a resource ID to search for the specified resource and view information about the resource. You can also go to the cloud service console of the resource from Cloud Config to manage the resource.

The following table lists the operations that you can perform on resources under your account by using the features of Cloud Config.

| Feature | Description |
| --- | --- |
| View the resource list | After you authorize Cloud Config to access your resources, you can view the resources that reside in different regions under your account in Cloud Config. You can also search for the specified resource and view the detailed configuration of the resource. |
| Search for resources | It is difficult to search for resources if you deploy resources in multiple regions in Alibaba Cloud. You must determine the region where the required resource resides before you can find the resource. Cloud Config displays resources that reside in different regions under your account in a list for you to centrally manage your resources. |
| View the details of a resource | You can set filters or enter resource IDs to search for the specified resources in the resource list. Then you can view the current configurat ion of each resource. |
| View the recent configuration change records of your resources | You can view the recent configuration change records of your resources in the Cloud Config console. |
| View the configuration timeline of a resource | Cloud Config records each detailed configuration change of the resources it monitors, and displays the configuration changes over time in a configuration timeline. |
| Manage resources | After finding the specified resource, you can go to the management page of the resource in the corresponding cloud service console from Cloud Config to manage the resource. |

| Feature | Description |
| --- | --- |
| View the events that trigger the configuration change of a resource | Cloud Config integrates with ActionTrail. You can view the configuration before and after the 10-minute interval at which Cloud Config detects a configuration change, the events that trigger the change, and event details in Cloud Config. |

# 2 View the resource list

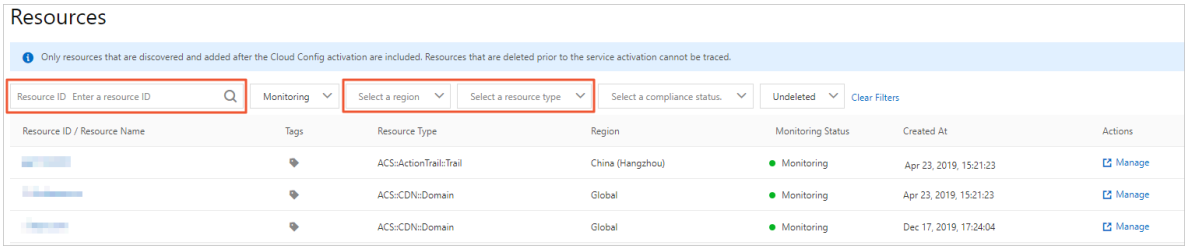
After you authorize Cloud Config to access your resources, you can view the resources that reside in different regions under your account in Cloud Config. You can also search for the specified resource and view the detailed configuration of the resource.

**Context**

Currently, Cloud Config only supports some Alibaba cloud services. Therefore, the resource list may only display a part of your resources. Cloud Config will support more Alibaba Cloud services and display more resources in the resource list soon. For more information about the types of resources that Cloud Config currently supports, see #unique_11.

Procedure

1. Log on to the Cloud Config console.
2. In the left-side navigation pane, click **Resources**. On the **Resources** page that appears, you can view the resources that Cloud Config supports under your account.



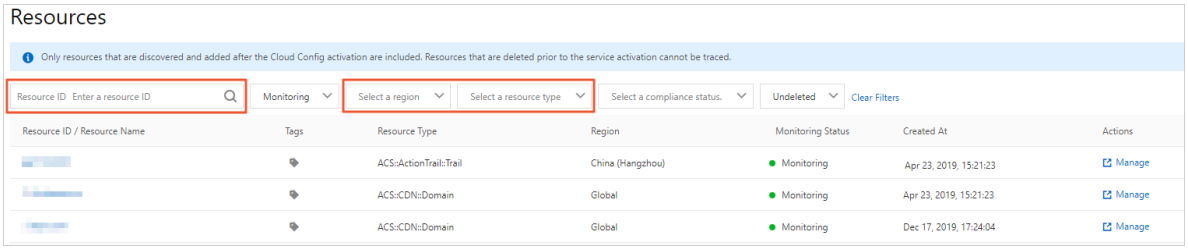

| Column | Description |
| --- | --- |
| **Tags** | The tag you add to the resource when you manage the resource. If you do not add any tags to the resource, no tag appears in this column. |
| **Monitoring Status** | The current monitoring status of the resource based on the monitoring scope you set in Cloud Config. Cloud Config monitors the configuration changes of your resources, records the change history, and automatically evaluates the compliance of the new resource configuration. For more information about how to manage the monitoring scope, see #unique_12/unique_12_Connect_42_section_uvi_6w3_ico. |
| **Resource Type** | The type of the resource. For more information about the definition of the resource type, see #unique_13/unique_13_Connect_42_section_f3x_kwn_kwh. |

# 3 Search for resources

It is difficult to search for resources if you deploy resources in multiple regions in Alibaba Cloud. You must determine the region where the required resource resides before you can find the resource. Cloud Config displays resources that reside in different regions under your account in a list for you to centrally manage your resources.

Procedure

1. Log on to the Cloud Config console.
2. In the left-side navigation pane, click **Resources**.
3. Filter resources by region, resource type, and monitoring status.



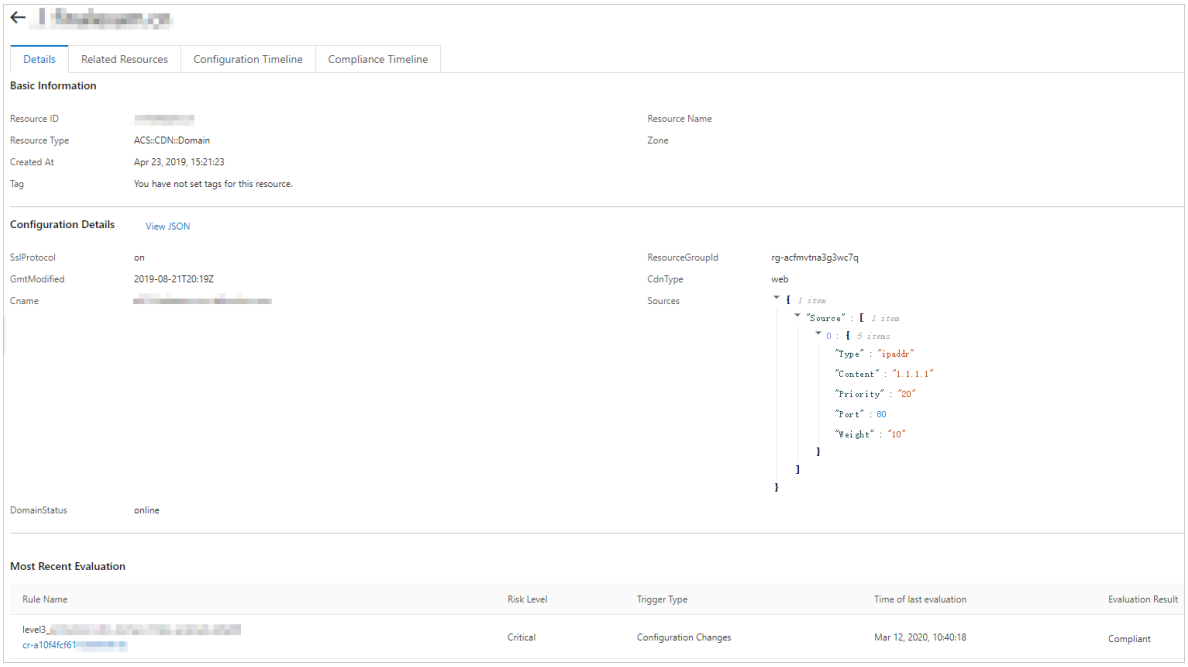

4. Alternatively, enter a resource ID in the search box to find the resource that resides in the specified region under your account.

# 4 View the details of a resource

You can set filters or enter resource IDs to search for the specified resources in the resource list. Then you can view the current configuration of each resource.

Procedure

1. Log on to the Cloud Config console.
2. In the left-side navigation pane, click **Resources**.
3. On the page that appears, set filters or enter a resource ID to search for the specified resource.
4. Click the resource ID in the **Resource ID / Resource Name** column.
5. On the **Details** tab that appears, view the basic information, core configuration, and latest compliance evaluation result of the resource.



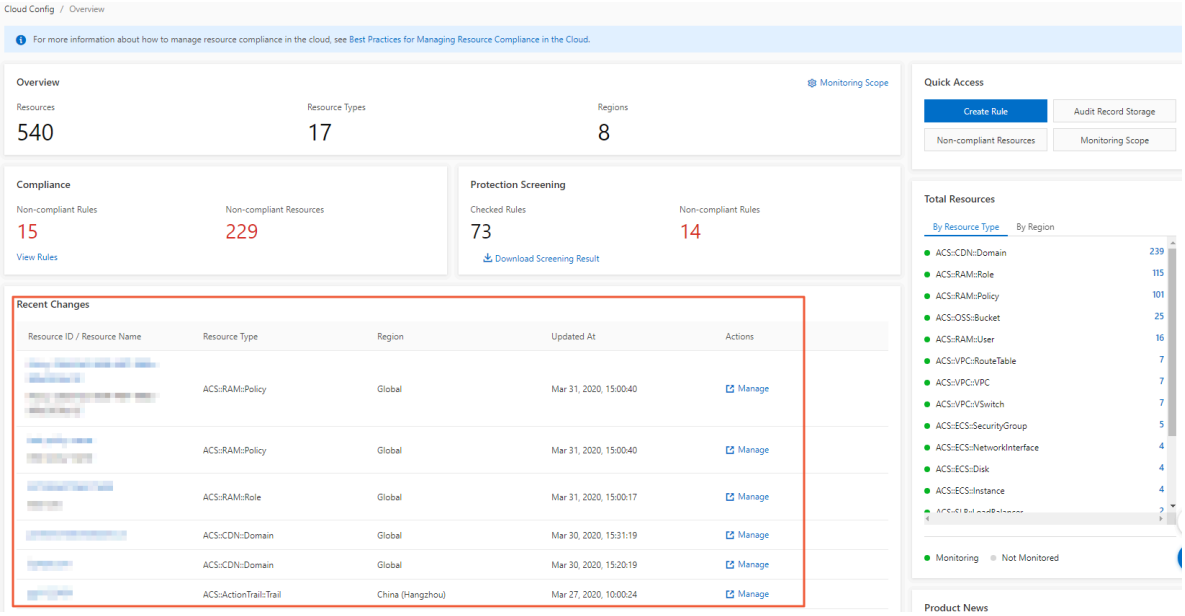

- In the **Basic Information** section, you can view the ID, name, type, creation time, tag, and zone of the resource.
- In the **Configuration Details** section, you can view the configuration of the resource. You can also click **View JSON** to view the resource configuration in the JSON format.
- In the **Most Recent Evaluation** section, you can view the latest compliance evaluation result of the resource.

# 5 View the recent configuration change records of your resources

You can view the recent configuration change records of your resources in the Cloud Config console.

Procedure

1. Log on to the Cloud Config console.
2. On the **Overview** page that appears, view the recent configuration change records of your resources in the **Recent Changes** section.




3. Find the target resource and click the resource ID in the **Resource ID / Resource Name** column. On the **Details** tab that appears, you can view the resource details.

# 6 View the configuration timeline of a resource

Cloud Config records each detailed configuration change of the resources it monitors, and displays the configuration changes over time in a configuration timeline.

**Context**

Elements of the configuration timeline of a resource are as follows:

- Points on a configuration timeline
  - Start point: If a resource is created before you activate Cloud Config, the start point of the configuration timeline is the time when you activate Cloud Config. If a resource is created after you activate Cloud Config, the start point of the configuration timeline is the time when the resource is created.
  - Node: Cloud Config takes a configuration snapshot of a resource every 10 minutes. If the new snapshot is different from the one in the 10 minutes ago, Cloud Config generates a configuration change record. This record appears as a node on the configuration timeline.
  - Breakpoint: If you remove a resource type from the monitoring scope of Cloud Config, Cloud Config stops monitoring this type of resources and does not update the configuration timeline of each resource. Cloud Config monitors this type of resources again only after you add the resource type to the monitoring scope. Cloud Config does not record the historical changes of the resources before you add the resource type to the monitoring scope.
- Content on a configuration timeline

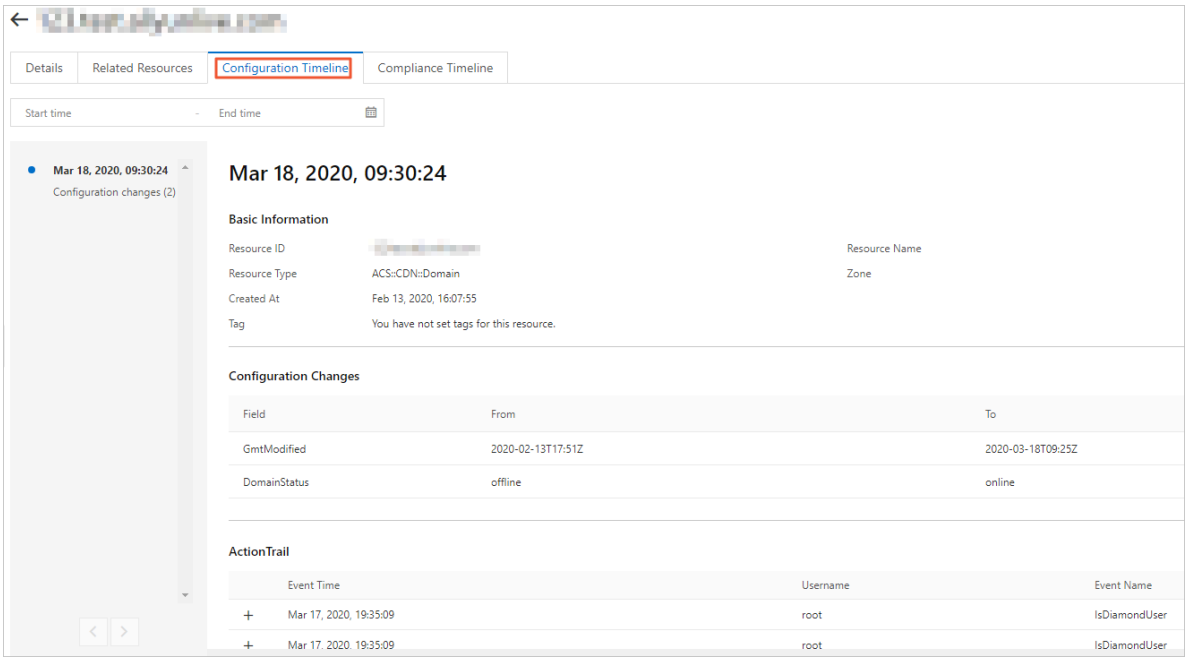
  A configuration timeline is a set of configuration change records of a specific resource.
  - A configuration timeline displays nodes by time in descending order. The first node displays the snapshot of the current configuration of a resource. The nodes below the first node display the earlier configuration snapshots of the resource.
  - Each node displays the details of the current configuration change, including the comparison between the current and previous configurations, and the events that trigger the current configuration change.

**Note:**

Cloud Config detects configuration changes at a regular interval of 10 minutes. If you change the configuration of a resource and then restore to the previous configuration within the same 10-minute interval, Cloud Config cannot identify the change or display the change on the configuration timeline.

Procedure

1. Log on to the Cloud Config console.
2. In the left-side navigation pane, click **Resources**.
3. On the page that appears, set filters or enter a resource ID to search for the specified resource.
4. Click the resource ID in the **Resource ID / Resource Name** column. The **Details** tab appears.
5. Click the **Configuration Timeline** tab and view the configuration timeline details of the resource.

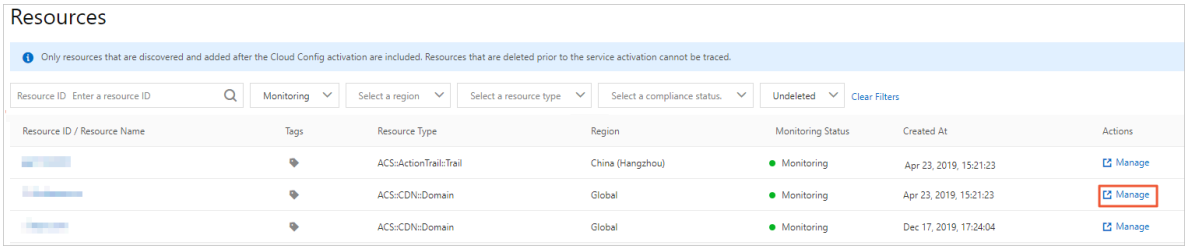


# 7 Manage resources

After finding the specified resource, you can go to the management page of the resource in the corresponding cloud service console from Cloud Config to manage the resource.

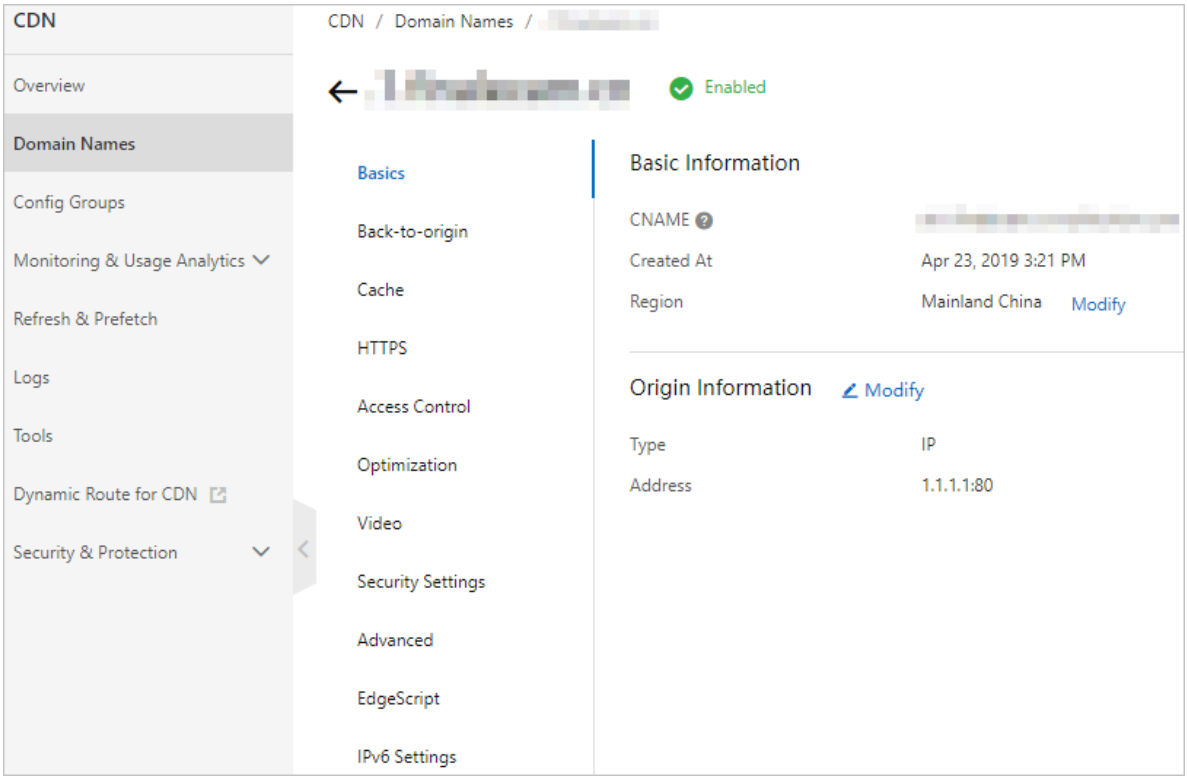
Procedure

1. Log on to the Cloud Config console.
2. In the left-side navigation pane, click **Resources**.
3. On the page that appears, set filters or enter a resource ID to search for the specified resource.
4. Click **Manage** in the **Actions** column of the resource.




The management page of the resource in the corresponding cloud service console appears. For example, if the resource type is **ACS::CDN::Domain**, the management

page of the specified domain name in the Alibaba Cloud content delivery network (CDN) console appears after you click **Manage**, as shown in the following figure.



# 8 View the events that trigger the configuration change of a resource

Cloud Config integrates with ActionTrail. You can view the configuration before and after the 10-minute interval at which Cloud Config detects a configuration change, the events that trigger the change, and event details in Cloud Config. The details of an event include the user who triggered the event, source IP address, the time when the event occurred, and the API operation called in this event.

You can also log on to the ActionTrail console to view the events that trigger the configuration change.