Config

FAQs

Product Documentation

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General

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What is Config?

Config assists you in centralized auditing and governance of cloud resources. It continuously records and evaluates the configuration information and related changes of various cloud resources in different regions under your account, thereby achieving efficient automated supervision and standardized operations of resources.

What problems can Config solve?

Config can solve the following problems:

- Global monitoring and standardized operations

When resources of an enterprise are deployed across multiple regions, the management and operations of these resources are dispersed, leading to operation inconvenience and configuration inconsistency. Config displays resources of various types and in different regions in a centralized manner and supports search, enabling enterprises to easily understand the overall status of their current cloud environment.

- Continuous compliance of cloud resources

Cloud-based IT resource management of enterprises faces a variety of potential compliance issues. Config provides rules and a conformance package template based on Tencent Cloud's best practices and automatically performs continuous compliance evaluation on the cloud resource configurations under the enterprise account. It assists enterprises in timely governance and efficient automated supervision of cloud resources.

- External and internal auditing

Enterprises or users frequently modify resources and relevant configurations during management and operations in the cloud. They are usually required to promptly provide relevant resource operations records for external or internal compliance auditing while the record querying takes a long time. Config records configuration changes and automatically generates a resource configuration timeline to address the following issues:

1. Resource Configuration Lifecycle Record

Config records the configuration information and related changes of each resource starting from its creation. Enterprises and users can quickly find the historical configuration information and related changes of a resource through the timeline to facilitate analysis and auditing.

2. Record Delivery

Config can send historical configuration information and lifecycle records of resources to a COS bucket for storage, fast retrieval, and analysis.

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Who are the target customers of Config?

The target customers of Config are those who need to implement auditing and governance of cloud resources. The industries covered include, but are not limited to, finance, gaming, retailing, government affairs, and healthcare. Config are used by customer-side teams responsible for managing cloud resources, such as teams of cloud operations, cloud auditing, and cloud security.

How can I start using Config?

You can refer to Get Started to quickly activate Config. For more detailed operational guidance, see Operation Guide.

How is Config billed?

Config is free of charge during the public beta period. You can use Config by referring to Get Started. When you are using related features of Config, if other services are involved, fees are charged according to the billing rules of the corresponding services. For more information, see Purchase Guide.

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Which cloud services and resource types does Config support?

See Supported Resource Types.

Why are some resources not displayed in the resource list?

After you enable Config, set the monitoring scope, and manually update the resource snapshots, Config will update the information on all resources of the specified types. Due to the large data volume, Config will take about 15 minutes to pull the snapshots, generate records, and update resource configurations. Please wait patiently.

Why is the resource configuration information displayed by Config inconsistent with that in the console of the corresponding cloud service?

Information inconsistency may exist in the following situations:

1. Some resource configuration fields in the cloud service console are not included by Config. Therefore, the information of these fields will not be displayed in the Config console.
2. If the resource configuration fields in the cloud service console are included by Config, but the operation event of the configuration change fails to be reported to CloudAudit, then the configuration change cannot be captured by CloudAudit and Config. This results in information inconsistency.
3. If the data volume under the account is large, Config will take about 15 minutes to pull the snapshots, generate records, and update resource configurations before it displays the final information.

Why is the configuration change not included in the resource timeline?

After you modify the resource configuration, Config will monitor the change within 15 minutes. If you recover the original configuration within this period, Config may not generate a change record.

For how long can Config record the configuration data?

By default, Config records the resource information and configuration changes for a year. If you require a longer duration, you can create tracking sets to persistently store the configuration data. For more information, see Delivery Service.

What is the frequency of sending configuration records in the resource timeline from Config to COS?

Configuration records are sent to the COS bucket at 00:30 every day.

What can I do if I expect for more rules?

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You can submit a ticket that contains the detailed description of the rule. For the rule format, see Supported Managed Rules. Tencent Cloud will decide whether to implement the rule as a managed rule by considering both Config and the corresponding cloud service.

Why evaluation based on the rule I set is not performed?

If the trigger mechanism is set to periodic execution, evaluation will be performed only at the set time.
If the trigger mechanism is set to trigger by configuration change, evaluation will be performed only when configuration changes are made on the resources bound to the rule.
You can manually perform re-evaluation based on the rule on the rule details page to quickly obtain the latest evaluation result.

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