Config

Service Overview

Issue   01

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Contents

1 What Is Config?

Description

Config enables you to centrally manage your cloud resources. You can search for your cloud resources.

Architecture

- **Displaying resource details**: The Config console displays all resources you own and provides you with rich search methods.
- **Displaying resource relationships**: With Config, you can have a clear view of resource relationships.

Figure 1-1 Config architecture
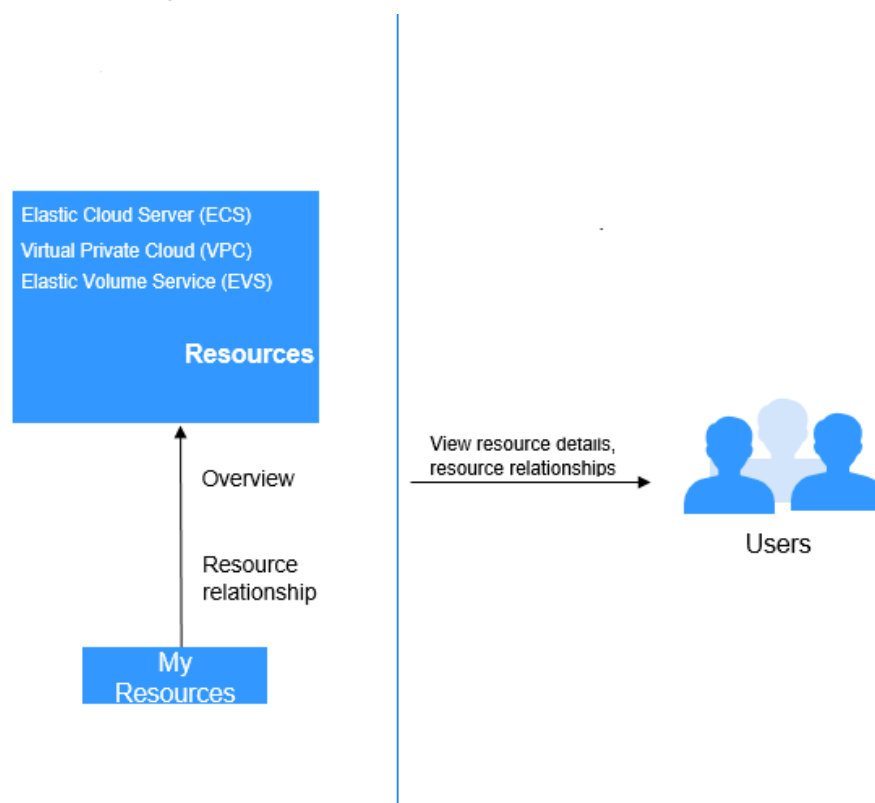
Access Methods

You can use either of the following methods to access Config.

- Management console

  The console is a web-based UI, where you can perform operations easily.

- Application Programming Interfaces (APIs)

  To integrate Config into a third-party system for secondary development, you can access the service by calling APIs. For details, see .

2 Function Overview

Table 2-1 lists the common functions of Config

Get familiar with Config **basic concepts** before using Config.

Table 2-1 Common Functions

Category	Function	Description
My Resources	Querying all resources	You can query the information about all your resources, such as the resource name, region, service, resource type, and enterprise project.
	Querying details about a resource	You can query details about a resource under your account, such as the resource name, creation time, and specifications.
	Filtering resources	You can set a filter criterion (resource name, resource ID, tag, or enterprise project) to quickly find out required resources.
	Exporting resource information	You can export the information about required resources in an EXCEL file.
	Viewing relationships of a resource	You can view relationships of a resource.

3 Permissions Management

If you need to assign different permissions to employees in your enterprise to access Config, IAM is a good choice for fine-grained permissions management. IAM provides identity authentication, permissions management, and access control, helping you securely access to your Huawei Cloud resources.

With IAM, you can create IAM users and grant permissions to the users to implement access control for your Huawei Cloud resources. For example, if you want some of your employees to have the permission for configuring the resource recorder, you can create IAM users for them and grant them with the required permission.

If your Huawei Cloudaccount does not need individual IAM users for permissions management, skip this chapter.

IAM is free. You pay only for the resources in your account. For more details, see **IAM Service Overview**.

Config Permissions

All users have the permissions to access the **My Resources** page. The resources displayed depend on the resource permissions of the users. For details about resource permissions of users, see **Resource Permissions**.

By default, new IAM users do not have permissions assigned. You need to add the users to one or more groups, and attach permissions policies or roles to these groups. Users inherit permissions from the groups to which they are added.

After authorization, the users can perform specified operations based on the permissions.

Table 3-1 lists all roles and permissions supported by Config.

Table 3-1 System-defined permissions supported by Config

Role	Description
RMS FullAccess	All permissions for Config: viewing resources, resource details, relationships between resources

Table 3-2 lists the common operations supported by system-defined permissions for Config.

Table 3-2 Common operations supported by system-defined permissions

Operation	RMS FullAccess
Querying all resources	√
Query details about a resource.	√
Viewing relationships of a resource	√

Resource Permissions

The resources displayed on the **My Resources** page depend on the resource permissions of the users.

When cloud service permissions have been granted to users, the users can view cloud service resources on the **My Resources** page.

Otherwise, they cannot view any cloud service resources. In this case, you need to grant the users the permissions to access the cloud service resources.

User permission policies can be defined in IAM and Enterprise Management.

When you attempt to query the resource list, the system checks whether you belong to the **admin** user group first. If yes, you have the administrator permissions for all resources. If no, only the policies in IAM take effect if policies you set for the **admin** user group in IAM and Enterprise Management conflict. In a policy that contains both Allow and Deny statements, the Deny statements take precedence.

If cloud resources under an account have been grouped by enterprise project, you can grant IAM users only the permissions to view resources within the enterprise project scope to meet resource isolation requirements.

4 Basic Concepts

Resource

A resource is an entity that you can use on the cloud platform. A resource can be an Elastic Cloud Server (ECS), an Elastic Volume Service (EVS) disk, or a Virtual Private Cloud (VPC).

For details about resources and regions supported by Config, see **supported services and regions**.

Resource Relationship

A resource relationship indicates how your resources on the cloud platform are associated, for example, EVS disks attached to ECSs and ECSs contained in VPCs.

For details, see **Relationships with Supported Resources**.