Resource Governance Center

Getting Started

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Preparations

Before using RGC, you need to prepare as described in the following sections:

Enabling Enterprise Center

Before enabling RGC, you need to enable Enterprise Center and become the management account of your organization. Do as follows:

- **Step 1** Go to the Enterprise Center console.
- Step 2 Click Enable for Free. The Enable Enterprise Center page is displayed.
- Step 3 Select I have read and agree to the HUAWEI CLOUD Enterprise Management Service Agreement and click Enable for Free. Your account will become an enterprise master account. For details, see Enabling Enterprise Center.

----End

2 Setting Up and Enabling a Landing Zone

Background

With RGC:

- You will have the necessary permissions to govern all of the organizational units (OUs) and member accounts in your organization.
- You need to set up a landing zone in RGC and determine which OUs and member accounts to govern in the landing zone. RGC does not extend governance to other existing OUs or member accounts in your organization.
- When existing OUs are governed by RGC, they are called registered OUs.
- After your landing zone is set up, you can still register existing OUs in RGC.

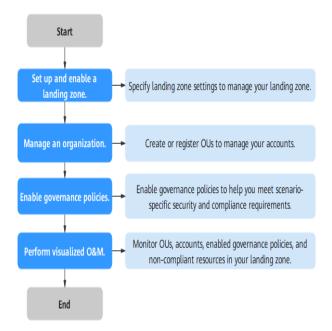
Prerequisites

The current account has enabled Enterprise Center. For details, see **Enabling Enterprise Center**.

Getting Started

Figure 2-1 shows the flowchart for using RGC.

Figure 2-1 Flowchart for using RGC



Setting Up a Landing Zone

- **Step 1** Log in to Huawei Cloud using an enterprise master account.
- **Step 2** Click \equiv and choose **Management & Governance** > **Resource Governance Center**.
- Step 3 Click Enable.

Figure 2-2 Enabling RGC

	' (C

You have not set up a landing zone.

Resource Governance Center (RGC) helps you set up and govern a secure scalable multi-account cloud environment. With RGC and other Huawei Cloud services, such as Organizations, Config, and IAM Identity Center, you can establish a landing zone to centrally govern your resources.

Enable	

Step 4 Select the home region for RGC. The region will be the default region for your landing zone.

Figure 2-3 Selecting the home region

< Setting Up Lan	nding Zone	
1 Select Regions	2 Contigure OUs 3 Contigure Core Accounts 4 Contigure Logs 5 Contirm Settings	
Region Settings		
 You need to set organization. When existing O 	e necessary permissions to govern all organizational units (OUs) and member accounts in your organization. tup a landing zone in RGC and determine which OUs and member accounts to govern in the landing zone. RGC does not extend governance to other existing OUs or member accounts OUs are governed by RGC, they are called registered OUs. ng zone is set up, you can shil register existing OUs.	× in your
Currently, RGC is	s a free service. You only pay for cloud services enabled by RGC, such as SMN, and OBS.	×
* Home Region	CN North- Choose your home region. This region is the default region where your landing zone is deployed.	
	Choose your nome region. This region is the detaulit region where your randing zone is deproyed.	

Step 5 Click Next.

Step 6 Under OU Settings, configure the core OU. You have two options for Core OU:

• **Create**: A core OU will be preset in RGC to build a complete OU structure in the landing zone. This OU contains two core accounts: a log archive account and a security audit account (also called an "audit account").

The OU name must be unique. The default name of the core OU is **Security**. Once your landing zone is set up, the name of the core OU cannot be changed.

• Skip: No core OU will be created in RGC.

Figure 2-4 Configuring the core OU

OU Settings	
* Core OU	Create Skip
* Core OU Name	Security
	To build a complete OU structure in the landing zone, RGC presets a core OU. This OU contains two core accounts, a log archive account and a security audit account (or an audit account for short)

Step 7 Determine whether to create additional OUs.

To help set up a multi-account system, you are advised to create additional OUs when setting up a landing zone. Each OU functions as a container or grouping unit for service accounts. After your landing zone is set up, you can create more OUs. You have two options for **Additional OU**:

- **Create**: You will need to create an additional OU when you are setting up a landing zone. The OU name must be unique. The default name of the additional OU is **Sandbox**.
- **Skip**: There will be no other OUs except the preset core OU in your landing zone. You can create more OUs after your landing zone is set up.

Additional OU Oreate Skip It is a best practice to create an additional OU for your multi-account system when setting up a landing zone. This OU will be used as a container or a grouping unit for service accounts. After your landing zone is set up, you can create more OUs. Additional OU Name Sandbox The default name of the additional OU is Sandbox. The OU name must be unique.

Step 8 Click Next.

Figure 2-5 Creating an additional OU

- **Step 9** On the **Configure Core Accounts** page, configure the management account. You have two options for **IAM Identity Center**:
 - **Enable**: You will need to enter the email address associated with the IAM Identity Center account. The email address of the management account must not be used for other IAM Identity Center users. It is used for creating the RGC administrator in IAM Identity Center. The administrator has the Admin permission.
 - **Skip**: RGC will not create a user as the RGC administrator, any user groups, or permission sets in IAM Identity Center.

Management Account	
* IAM Identity Center	Enable
	🔿 Skip
	If IAM Identity Center is connected to an external identity provider, the default IAM Identity Center user in RGC will lose access to Huawei Cloud.
★ IAM Identity Center Email Address	Enter an email address.
	This email is used for creating the RGC administrator in IAM Identity Center. The administrator has the Admin permission of the management account

Figure 2-6 Configuring the management account

- **Step 10** Configure a log archive account. It is used to store logs of API activities and resource configurations from all accounts.
 - Set Account Type to Create new account.
 - **Email Address**: Enter the email address of the log archive account. This email address cannot be currently used for any Huawei Cloud accounts. It can have a maximum of 64 characters.
 - Account Name: Specify a unique name for the log archive account. The name cannot be changed once your landing zone is set up. The account name can only contain digits, letters, underscores (_), and hyphens (-), and it cannot start with a digit. It can have 6 to 32 characters.
 - Set Account Type to Use existing account.

The existing account you chose must belong to the organization of the management account, and an agency must have been set for the account. For details, see **Setting an Agency**. If there are Config resources in the account, you must delete or modify them before enrolling the account in RGC when you are setting up a landing zone.

- Email Address: Enter the email address of the log archive account. This email address cannot be currently used for any Huawei Cloud accounts. It can have a maximum of 64 characters.
- Account Name: Enter the name of the account you have registered with Huawei Cloud.
- Account ID: Enter the ID of the account you have registered with Huawei Cloud. The account ID cannot be the ID of the management account or of a member account in another organization.

Log Archive Account	
* Account Type	Create new account
	Use existing account
	A log archive account is used to store logs of API activities and resource configurations from all accounts.
* Email Address	Enter an email address.
	Enter an email address different from those used for existing Huawei Cloud accounts.
* Account Name	Enter an account name.
	Enter a unique account name. The name cannot be changed once the log archive account is set up.

Figure 2-7 Configuring a log archive account

- **Step 11** Configure an audit account. The audit account has permission to access all member accounts in your organization. You are encouraged to strictly control the identity that uses this account.
 - Set Account Type to Create new account.
 - **Alert Email**: Enter an email address for the audit account. It is used to receive alerts preset by RGC. This email address cannot be currently used for any Huawei Cloud accounts. It can have a maximum of 64 characters.
 - Account Name: Specify a unique name for the audit account. The name cannot be changed once your landing zone is set up. The account name can only contain digits, letters, underscores (_), and hyphens (-), and it cannot start with a digit. It can have 6 to 32 characters.
 - Set Account Type to Use existing account.

The existing account you chose must belong to the organization of the management account, and an agency must have been set for the account. For details, see **Setting an Agency**. If there are Config resources in the account, you must delete or modify them before enrolling the account in RGC when you are setting up a landing zone.

- Alert Email: Enter an email address for the audit account. It is used to receive alerts preset by RGC. It can have a maximum of 64 characters.
- Account Name: Enter the name of the account you have registered with Huawei Cloud.
- Account ID: Enter the ID of the account you have registered with Huawei Cloud. The account ID cannot be the ID of the management account or of a member account in another organization.

Figure 2-8 Configuring an audit account

Audit Account	
* Account Type	Create new account
	O Use existing account
	The audit account has the permissions needed to access all member accounts in your organization. You are encouraged to strictly control the identity that uses this account
* Alert Email	Enter an email address.
	Enter an email address to receive preset RGC alarm notifications. It can have 6 to 36 characters.
* Account Name	Enter an account name.
	Enter a unique account name. The name cannot be changed once the audit account is set up.

Step 12 Click Next.

Step 13 Determine whether to enable CTS.

If you do not enable CTS, RGC will not manage your CTS audit logs. It is strongly recommended that you enable CTS. Preconfigured mandatory governance policies will check whether CTS is enabled for enrolled accounts.

Figure 2-9 Enabling CTS

< Setting Up Land	ling Zone
Select Regions ——	Configure OUs Configure Core Accounts Configure Logs Configure Settings
CTS Settings	
* CTS	
	If you do not enable CTS, RGC will not manage your CTS audit logs.
	It is strongly recommended that you enable CTS. Preconfigured mandatory governance policies will check whether CTS is enabled for enrolled accounts.

- **Step 14** Configure an OBS bucket for storing logs. You can create a new OBS bucket or use an existing one. If you chose to create a log archive account, you will also need to create an OBS bucket. Log data is encrypted with SSE-OBS, and the keys are created and managed by OBS.
 - **Create new bucket**: If you choose this option, you need to configure a retention period for logs in the OBS bucket. Logs are automatically stored in the two default OBS buckets, and you cannot rename them.
 - **OBS Bucket Retention for Log Aggregation**: The default period is one year, but you can change this to up to 15 years.

This bucket is used to store operation audit logs recorded by CTS for all accounts in an organization and resource snapshots recorded by Config for managed accounts. It is stored in the bucket named **rgcservice-managed-audit-logs-{***Management account ID***}**. **{Management account ID}** represents the actual ID of the management account.

 OBS Bucket Retention for Access Logs: The default period is 10 years, but you can change this to up to 15 years.

The logs for accessing the log aggregation bucket are stored in the bucket **rgcservice-managed-access-logs-**{*management account ID*}.

• Use existing bucket: If you choose this option, you need to enter the name of the OBS bucket created by the log archive account. If you use another bucket name, landing zone setup will fail. To ensure data security, you are advised to use a private OBS bucket.

Figure 2-10 Configuring the OBS bucket retention for logging

OBS Logging							
RGC creates OBS buckets for free. You will be billed based on the usage of these buckets. OBS billing							
* OBS Bucket Type	 Create new bucket Use existing bucket 						
* OBS Bucket Retention for Log Aggregation	1 ye v						
	By default, the log aggregation bucket is used to store resource sr all accounts within your organization. Enter an integer from 1 to 15	napshots recorded by Config for enrolled accounts. It can also store operation audit logs recorded by C 5. One year is counted as 365 days.					
* OBS Bucket Retention for Access Logs	10 ye v Data access logs generated by the access log bucket are stored in	n another OBS bucket. Enter an integer from 1 to 15. One year is counted as 365 days.					

Step 15 Review and confirm the landing zone settings, and then select the checkbox I understand the permissions required by RGC to manage resources and apply

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policies. I also know the basics of how to use RGC and other Huawei Cloud resources.

You can log in to the IAM console, choose Identity Policies in the navigation pane. On the displayed page, search for **RGCServiceAgencyPolicy** to view the permissions used by RGC to manage resources and enforce policies.

Figure 2-11 Confirming the landing zone settings	
< Setting Up Landing Zone	

Select Regions	s Configure	OUs Configure Core A	Accounts Co	nfigure Logs	5 Confirm Se	ttings	
Configurations	Regions 🖉						
	Home Region	CN North-					
	OUs 🖉						
	Core OU	Security	Additional OU	Sandbox			
	Core Account 🖉						
	IAM Identity Center Email	1***@123.com	Log Archive Account Name	a12345		Audit Account Name	b12345
	Log Aggregation 🖉						
	Organization-level CTS L	Enabled	OBS Bucket Retention for	1 years		OBS Bucket Retention for	10 years
Permissions	I understand the permission	ions required by RGC to manage resources	s and apply policies. I also know	the basics of how to use R	GC and other Hua	wei Cloud resources.	

Step 16 Click Set Up Landing Zone.

NOTICE

The email address you configured for audit account alerts will receive a subscription confirmation email from the regions governed in RGC. If you want your audit account to receive such emails, click the confirmation link in each email from each region.

----End

Important Notes

- You also need to deploy and manage existing OUs and member accounts. For details, see Organization Management.
- After your landing zone is set up, all preventive governance policies will be attached to the OU that the core account belongs to.
- After your landing zone is set up, the bucket policies **AllowCtsAccessBucket** and AllowConfigAccessBucket will be configured for the OBS bucket that stores logs. For details about the bucket policies, go to the OBS console.
- After your landing zone is set up, the object read permission will be configured for the OBS bucket that stores logs so that the core account has permission to view logs in the bucket.

3 Using Governance Policies to Manage Your Landing Zone

RGC provides multiple types of governance policies. Mandatory governance policies are automatically applied to OUs created in RGC. You can use the management account to enable strongly recommended or elective governance policies as needed.

You need to register the OUs created in an organization before applying governance policies to them.

Preventive governance policies apply to all member accounts in the OUs, regardless of their enrollment status. Detective governance policies apply only to enrolled accounts.

Constraints

- You can only manually enable or disable strongly recommended and elective governance policies.
- Governance policies cannot be attached to the root OU, core OU, or any unregistered OUs.

Enabling a Governance Policy

- **Step 1** Log in to Huawei Cloud using the management account, and navigate to the RGC console.
- **Step 2** Choose **Governance Policy Library** > **All Policies**. In the policy list, locate the governance policy you want to enable.
- **Step 3** Click **Enable Policy** in the **Operation** column.

Figure 3-1 Enabling governance policies

 Select a property or e 	enter a keyword.		licies at a time.				
Service 🗢	Name 😔	Scenario 😔	Policy Type \ominus	Resource 🕀	Behavior 😔	Released On \ominus	Operation
APIG	[RGC- GR_CONFIG_API G_INSTANCES_A UTHORIZATION_ TYPE_CONFIGUR ED] If the API security certification in the APIG Exclusive Edition instance is 'No Certification', it is considered non- compliant.	Encrypt data in transit	Config rule	apiginstance	Detective policies	Sep 26, 2024	Enable Policy

Step 4 Select an OU that you want to enable this policy for.

Figure 3-2 Selecting an OU

	Released On Sep 26, 2024	Behavior	Resource	Policy Type	Scenario	Name	
	Sep 26, 2024				acentario	Name	Service
		Detective policies	apig:::instance	Config rule	Encrypt data in transit	[RGC-GR_CONFIG_API	APIG
					 Do not color! the core OU 	ed OU to enable the selected polici	arget OU
Q							Enter an accourt
						56	+ = 60
						andbox	+ 🖽 S
						rg_create_ou	+ 🖽 or
						jc_create_ou	+ 🖽 rg
							•
						ist_rgc	te
						rgorg	- (+) 🖽 or
						EST1	TE
						st_CS0313	te
						ic_create	- (+) 🖽 rg
						jc_create_ou ist_rgc rgorg EST1	

Step 5 Click **Enable Governance Policies** in the lower right corner. This may take several minutes.

----End

Viewing How a Governance Policy Is Applied

- **Step 1** Log in to Huawei Cloud using the management account, and navigate to the RGC console.
- Step 2 On the Dashboard page, view details of OUs and Accounts, Enabled Governance Policies, Non-Compliant Resources, Registered OUs, and Enrolled Accounts in your landing zone.
- **Step 3** Under **Non-Compliant Resources**, click an account name to view the details about non-compliant resources.

You can use the management account to handle the non-compliant resources.

Figure 3-3 Non-compliant resources

Non-Compliant Reso	urces					
Q Select a property of	enter a keyword.					0
Resource ID 🔶	Account Name \ominus	ou 🔶	Governance ⊜	Resource Ty \ominus	Service \ominus	Region \ominus
1cc6	account_5_28		[RGC-GR_CON	trackers	cts	CN North-

----End

Disabling a Governance Policy

- **Step 1** Log in to Huawei Cloud using the management account, and navigate to the RGC console.
- **Step 2** Choose **Governance Policy Library** > **All Policies**. In the policy list, locate the governance policy you want to disable.
- **Step 3** Click the policy name. The policy details are displayed.
- **Step 4** On the **Enabled OUs** page, choose the OU that you want to disable this policy from.

Figure 3-4 Disabling a governance policy

Resource Governance C ssl when it has a public	does not enable	Enable Governance Policies				
Policy Details						
Name	[RGC-GR_CONFIG_DCS_REDIS_ENABLE	Scenario	Restrict network access	Service	DCS	
Behavior	Detective policies	Policy Type	Config rule	Resource	dcs:::instance	
Policy ID	RGC-GR_CONFIG_DCS_REDIS_ENABLE	Guidance	Strongly recommended	Severity	High	
Released On	Sep 26, 2024					
Enabled OUs	Effective Accounts Templates					
Q Select a prop	erty or enter a keyword.					0
Name 🔶	Parent OU 🗧	>	Status \ominus		Operation	
Security1	root		Enabled		Disable Policy	

- **Step 5** Click **Disable Policy** in the **Operation** column.
- **Step 6** Click **OK**. This may take several minutes.

Figure 3-5 Disabling a governance policy

▲ Disable Governance Policy ×	
Are you sure you want to disable the governance policy from the OU test_rgc?	
Cancel	
End	