Resource Management Service

Getting Started

Issue 01

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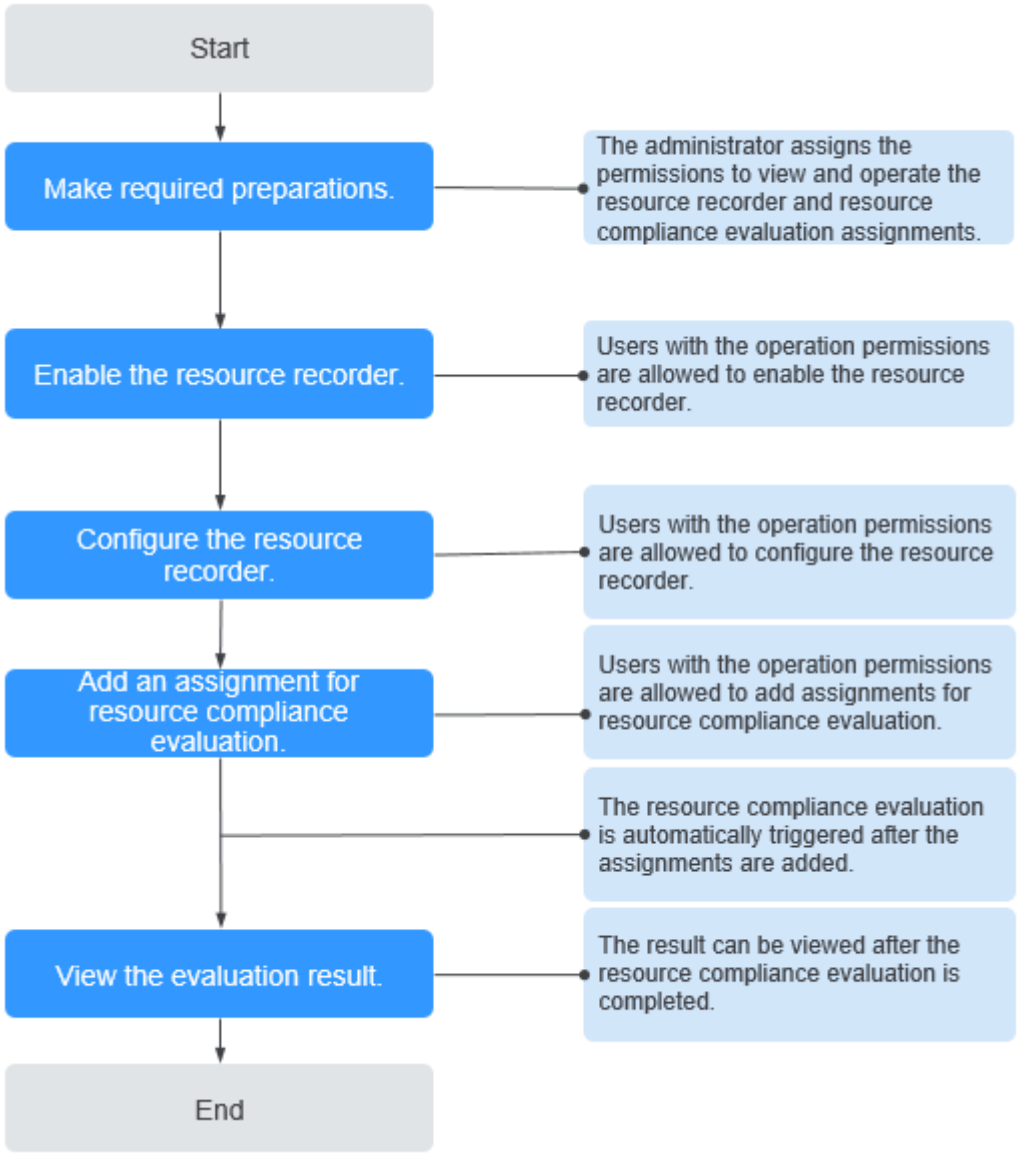
1 Getting Started

If you are new to RMS, this section will help you quickly get familiar with main functions of this service.

The following flowchart shows the operation process.

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Figure 1-1 RMS operation process



Enabling the Resource Recorder

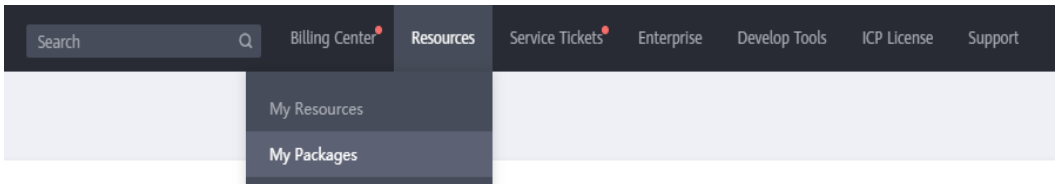
After the resource recorder is enabled, you will receive notifications of resource changes (creation, modification, and deletion) and resource relationship changes, and the resource change notifications and snapshots of your resources will be dumped into an OBS bucket periodically.

Step 1 Log in to the management console.

Step 2 In the upper right corner of the page, choose **Resources** > **My Resources**.

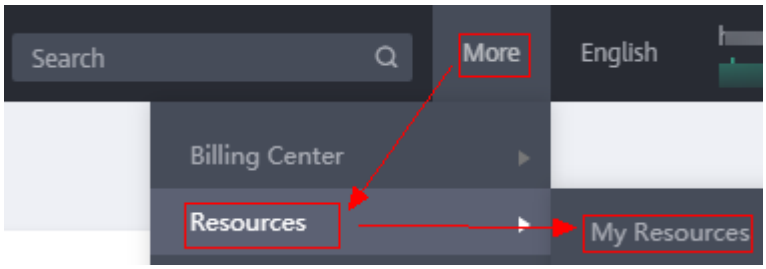
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Figure 1-2 RMS service entry



If the resolution of the screen is low, in the upper right corner of the page, choose **More** > **Resources** > **My Resources**.

Figure 1-3 RMS service entry (low resolution)

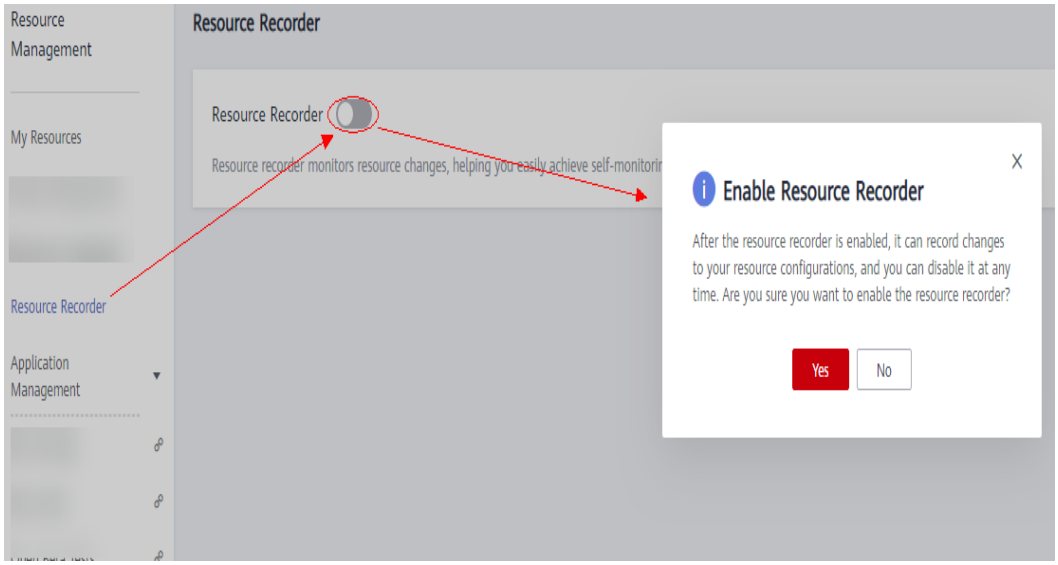


Alternatively, click ☰ in the upper left corner of the page. In the service list that is displayed, under **Management & Deployment**, select **Resource Management Service**.

Step 3 In the left navigation pane, choose **Resource Recorder**.

Step 4 Enable the resource recorder.

Figure 1-4 Enabling the resource recorder



----End

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Configuring the Resource Recorder

After you enable the resource recorder, you need to set required configurations on the **Resource Recorder** page.

Step 1 Select the monitoring scope.

All resources supported by RMS are monitored by default. You can modify the monitoring scope and select specific resources.

Step 2 Select an SMN topic.

Select a region and an SMN topic for receiving notifications of any changes to resources. If no SMN topic is available, create one. For details about how to create an SMN topic, see **Simple Message Notification User Guide**.

NOTE

After you create a topic, you must add subscriptions to the topic and confirm the subscriptions. For details, see **Simple Message Notification User Guide**.

Step 3 Enable **Data Dump**.

Select an OBS bucket in the current region for storing resource change notifications and resource snapshots. If no OBS bucket is available, create one. For details about how to create an OBS bucket, see **Object Storage Service User Guide**.

Step 4 Select **Quick granting**.

If you select **Quick granting**, the system automatically creates an agency named **rms_tracker_agency** to grant the minimum permissions required for the resource recorder to work properly. With the permissions, RMS can use SMN to send notifications and dump resource snapshots in the OBS bucket.

Step 5 Click **Save**.

----End

Adding an Assignment

Step 1 In the left navigation pane, choose **Resource Compliance** .

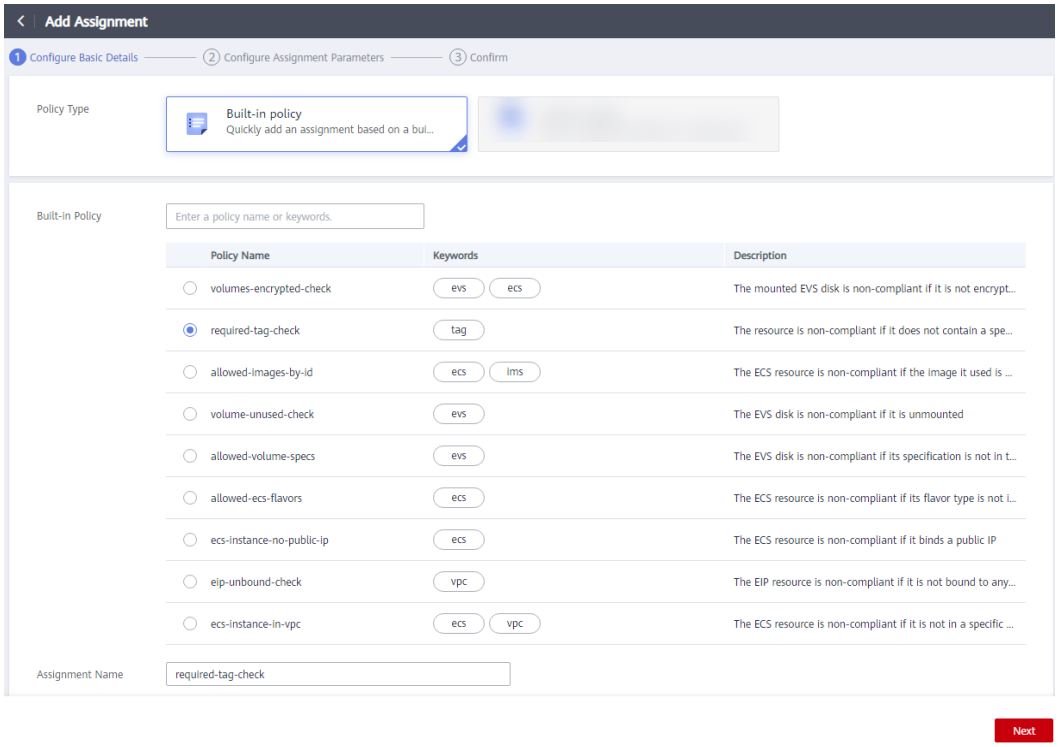
Step 2 Click **Add Assignment**.

For details about parameter settings, see **Table 1-1**.

Step 3 After you configure basic details, click **Next** in the lower right corner of the page.

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Figure 1-5 Configure Basic Details

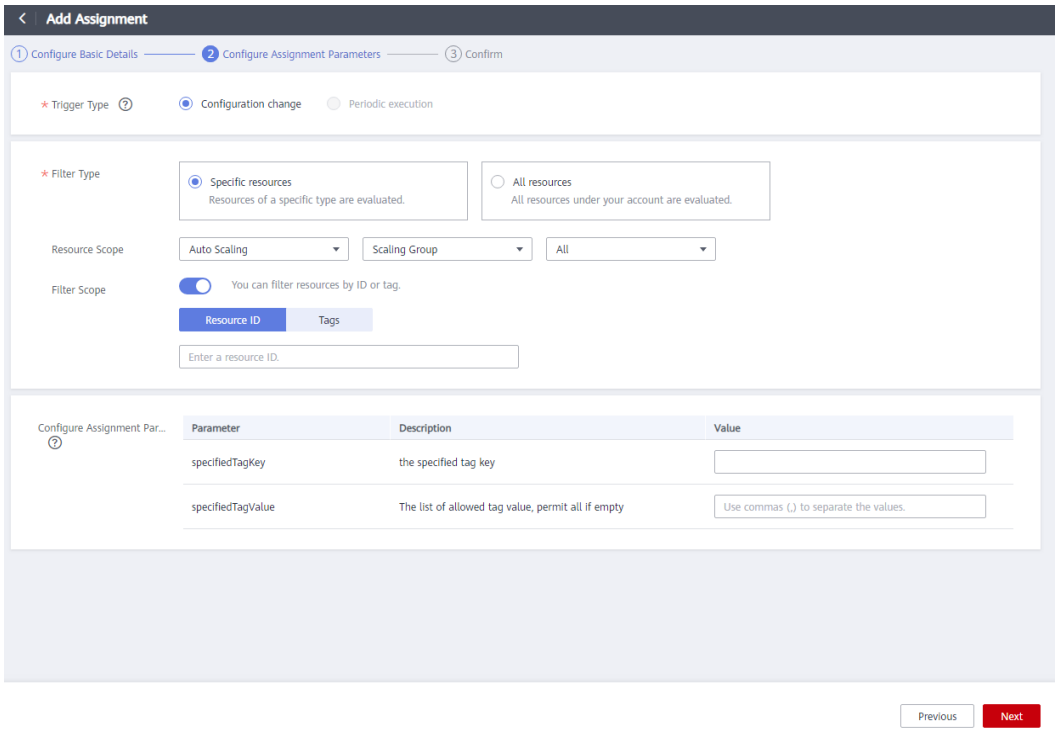


Step 4 On the **Configure Assignment Parameters** page displayed, configure parameters .

For details, see **Table 1-2**.

Step 5 Click **Next**.

Figure 1-6 Configure Assignment Parameters



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Step 6 On the **Confirm** page displayed, confirm the assignment information and click **Submit**.

Figure 1-7 Confirm

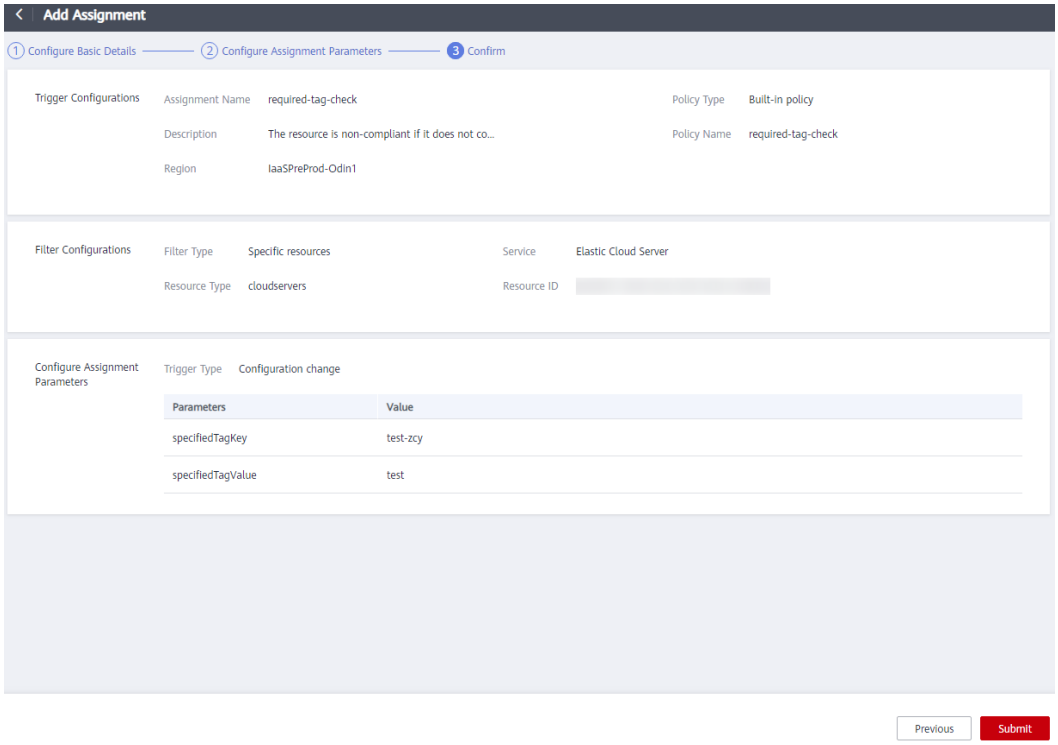
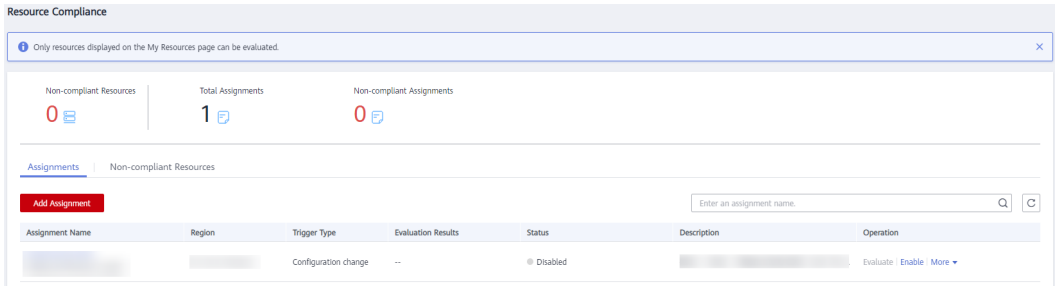


Figure 1-8 Assignments



NOTE

After you add an assignment, the evaluation is automatically triggered immediately.

----End

Table 1-1 Basic configuration parameters

Parameter	Description	Example Value
Policy Type	Possible values are: • **Built-in policy**	Built-in policy

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Parameter	Description	Example Value
Built-in policy	Specifies the policy that has been developed for a service. You can use the built-in policies to quickly add assignments. For details about the preset policies, see **Built-in Policies**	volumes-encrypted-check
Assignment Name	By default, the assignment name is the same as the selected policy name. You can also customize the assignment name. There are no restrictions on the assignment name.	volumes-encrypted-check
Description	By default, the assignment description is the same as the description of the selected policy. You can also customize the assignment description. There are no restrictions on the assignment description.	The mounted EVS disk is non-compliant if it is not encrypted

Table 1-2 Parameter descriptions

Parameter	Description	Example Value
Trigger Type	Specifies the condition for triggering the assignment. Possible values are: • **Configuration change**: The assignment is triggered when a specific cloud resource is changed.	Configuration change
Filter Type	Specifies the resources to evaluate. Possible values are: • **Specific resources**: All resources of a specific resource type will be evaluated. • **All resources**: All resources under your account will be evaluated.	Specific resources

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Parameter	Description	Example Value
Resource Scope	If you have set **Filter Type** to **Specific resources**, you need to specify a resource scope. • Service: Select the service the resource belongs to. • Resource type: Select the resource type of the corresponding service. • Region: Select the region where the resource is located.	N/A
Filter Scope	After you enable **Filter Scope**, you can filter resources by resource ID or tag. You can specify a specific resource for compliance evaluation.	**Filter Scope** is disabled by default.
Configure Assignment Parameters	Specifies the parameter configuration for the built-in policy you selected in step **Configure Basic Details**. • For example, if you select policy **required-tag-check** and **Keywords** is **tag**, you need to specify a tag key and a tag value here. Then, resources that do not have this tag are non-compliant. • Not all built-in policies have parameters to be configured. For example, if you select policy **volumes-encrypted-check**, you do not need to configure any assignment parameters.	N/A

Viewing Evaluation Results

After the resource compliance evaluation is complete, you can view the evaluation results.

Step 1 Go to the **Resource Compliance** page.

Step 2 Click the name of the assignment you want to view.

Step 3 View the evaluation results on the displayed **Assignment Details** page.

----End

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NOTE

An assignment has the following statuses:

- **Running**: The assignment is available.
- **Disabled**: The assignment is disabled.
- **Evaluating**: The assignment is being used for resource compliance evaluation.

During the evaluation, the assignment is in the **Evaluating** status. After the evaluation is complete, the assignment state changes to **Running**. At this time, you can view the evaluation results.

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