

Cloud Operations Center

Getting Started

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Huawei Cloud Computing Technologies Co., Ltd.

Address: Huawei Cloud Data Center Jiaoxinggong Road
Qianzhong Avenue
Gui'an New District
Gui Zhou 550029
People's Republic of China

Website: <https://www.huaweicloud.com/intl/en-us/>

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1 Quick Job Execution

Scenarios

COC is a secure and efficient O&M platform, offering one-stop, AI-powered solutions for all your centralized O&M needs. The job management function of COC allows you to customize jobs and execute jobs on target VMs. You can use this function to perform operations on target instances, which can be ECSs or BMSs currently.

This section describes how to restart an ECS on COC.

Operation Process

Procedure	Description
Prepare for the task.	Register a HUAWEI ID, complete real-name authentication, and enable COC.
Step 1: Synchronize resources.	Obtain resources in all regions to which the current user belongs and synchronize the resources to COC.
Step 2: Install an UniAgent.	Install an UniAgent on each desired node for information exchange between COC, lower-layer services, and hosts.
Step 3: Execute a job.	On COC, you can enjoy automated job execution on ECSs.

Preparations

1. Sign up with Huawei Cloud and complete real-name authentication.
Before using COC, [Sign up for a HUAWEI ID, enable Huawei Cloud services, and then complete real-name authentication.](#)
If you already have enabled Huawei Cloud services and completed real-name authentication, skip this step.
2. Enable COC.
Upon your first login, enable COC first.

If you have enabled COC, skip this step.

Step 1: Synchronize resources.



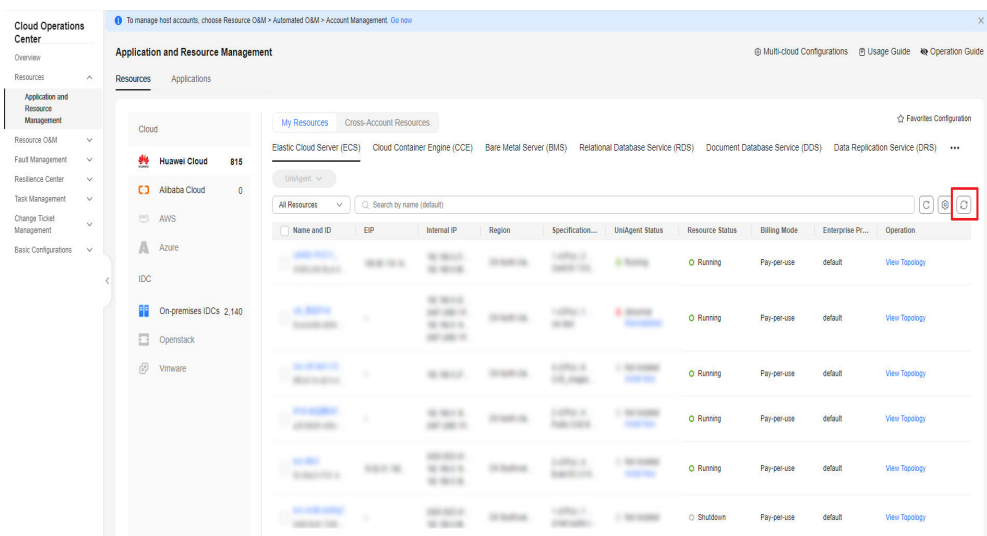
1. Log in to **COC**.
2. Click  in the upper left corner on the **Overview** page and select a region.
3. In the navigation pane, choose **Resources > Application and Resource Management**.
4. Click  to synchronize resources.

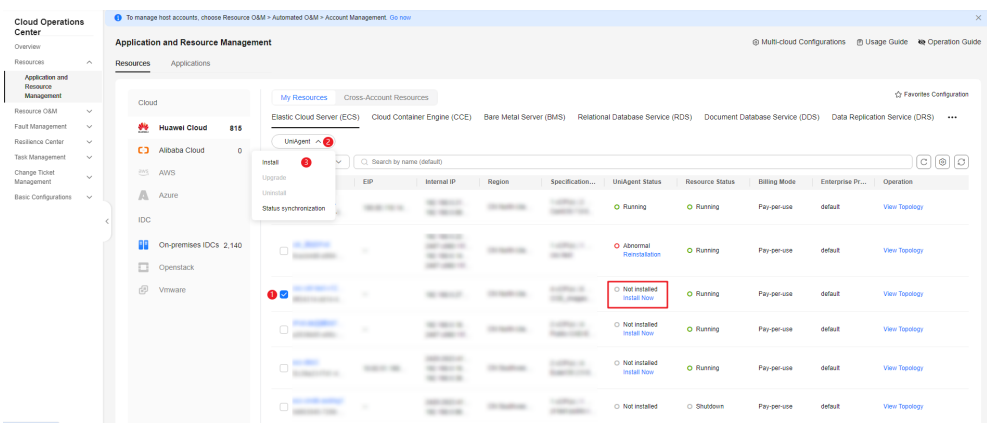
Figure 1-1 Synchronizing resources



Step 2: Installing a UniAgent

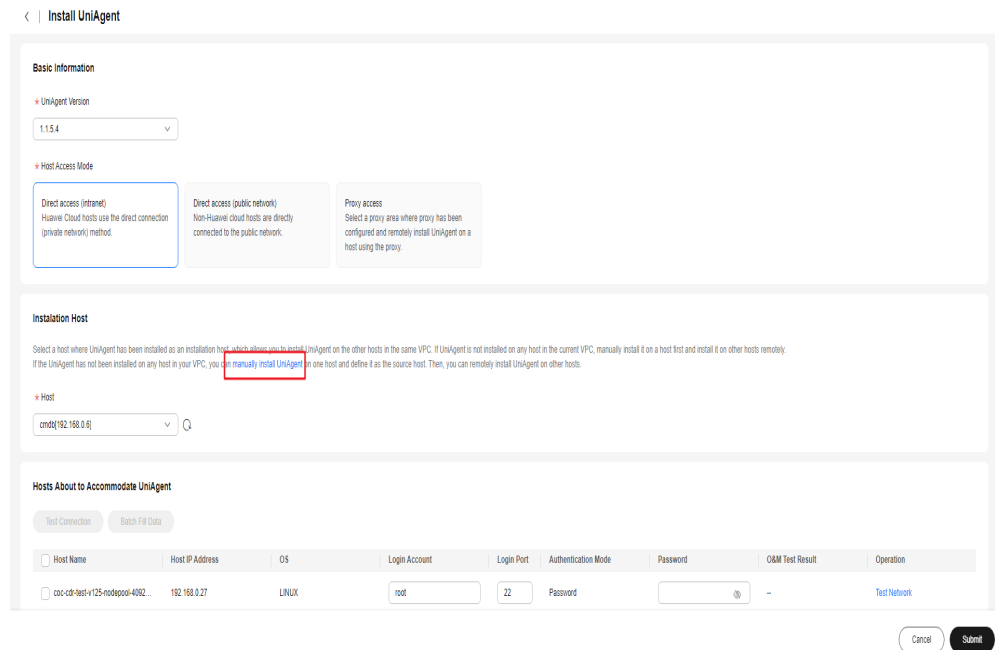
1. Access the **Resources** tab page, select the target ECSs and choose **UniAgent > Install**.

Figure 1-2 Installing a UniAgent



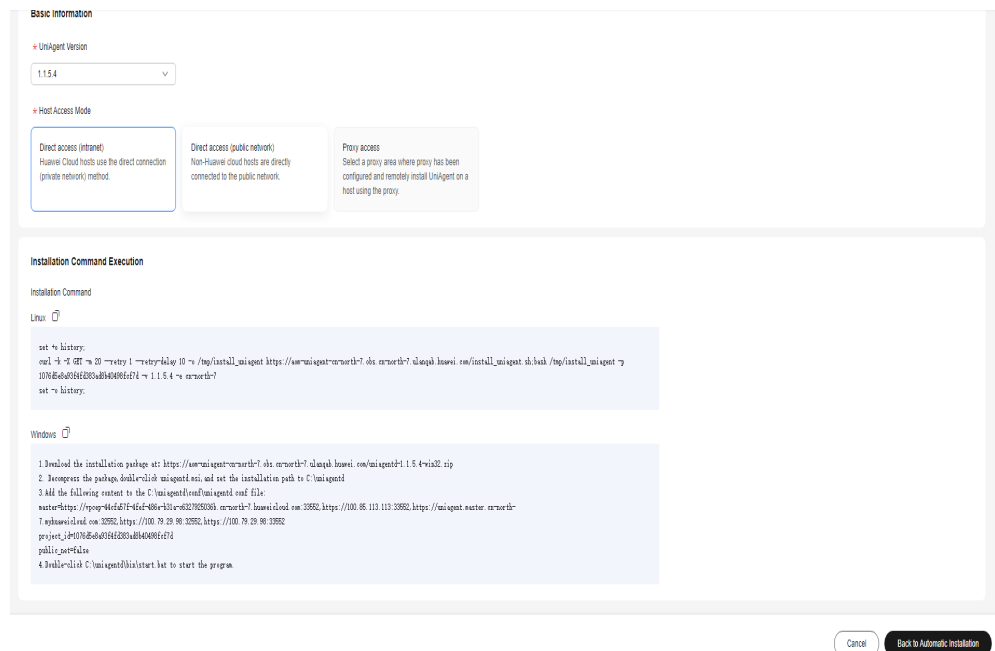
2. Click **manually install UniAgent**. The page for manually installing the UniAgent is displayed.

Figure 1-3 UniAgent installation page



3. Run the installation command on the page to manually install the UniAgent.

Figure 1-4 Manually installing a UniAgent

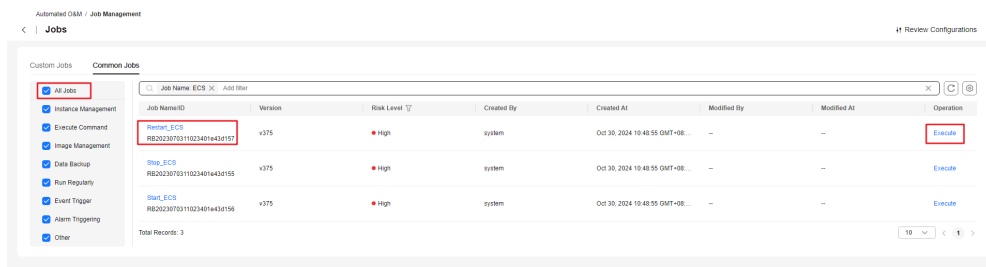


Step 3: Executing a Job

1. In the navigation pane on the left, choose **Resource O&M > Automated O&M**.
2. In the Routine O&M area, click **Jobs**.
3. Click the **Public Jobs** tab.

4. Select **All Jobs**, locate the ECS restart job, and click **Execute**.

Figure 1-5 Selecting a job to execute



5. Set execution type and basic information.

Figure 1-6 Parameters in the Execution Type and Basic Information areas

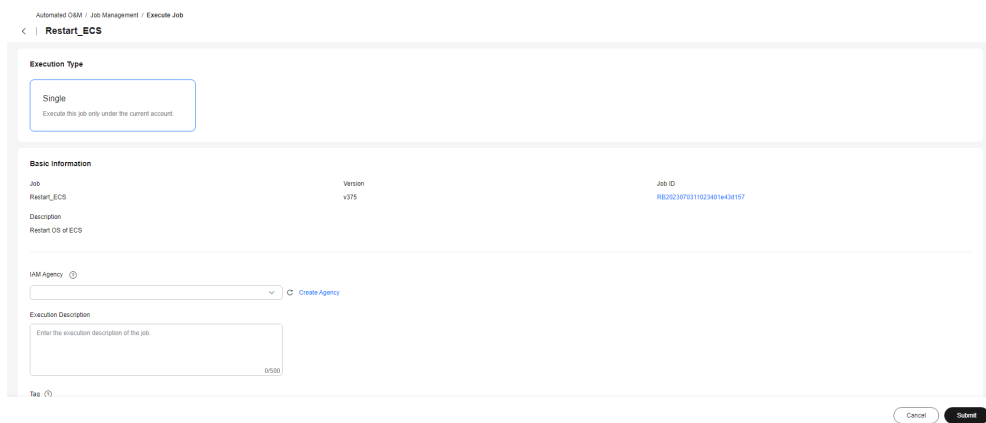


Table 1-1 Parameters in the execution type and basic information areas

Parameter	Example Value	Description
Execution Type	Single	Select the scope of the jobs to be executed.
IAM Agency	ServiceLinkedAgencyForCOC	Scope of permissions that can be used by COC to execute jobs.

6. Set the execution content.

Figure 1-7 Parameters in the Execution Content area

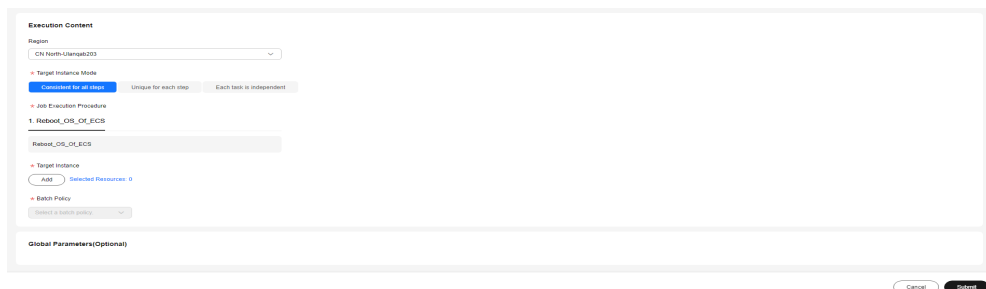


Table 1-2 Parameters in the Execution Content area

Parameter	Example Value	Description
Region	CN North-Ulanqab203	Select the region in which the target instance is located.
Target Instance Mode	Consistent for all steps	Select the execution mode for job steps and target instances.
Target Instance	-	Select the target instance to execute the job.
Batch Policy	No Batch	Batch execution policy of the target instance.

7. Click **Submit**.
8. Confirm the job configurations and click **OK**. The service ticket details page is displayed.
9. Refresh the page and view the job execution status.

2 Swift Chaos Drills

Scenarios

COC is a secure and efficient O&M platform, offering one-stop, AI-powered solutions for all your centralized O&M needs. You can configure drill templates and attack templates to perform fault drills on physical machines, VMs, or CCE containers in the chaos drill function module. You can also manage failure modes. You can select a target instance to execute fault drills.

This section describes how to use COC to perform a fault drill on an ECS to increase the CPU usage.

Operation Process

Procedure	Description
Prepare for this task.	Register a HUAWEI ID, complete real-name authentication, and enable COC.
Step 1: Synchronize resources.	This task obtains resources in all regions to which the current user belongs and synchronize the resources to COC.
Step 2: Create an Application.	An application enables you to manage the relationship between applications and cloud resources, and provides unified and timely resource environment management services for follow-up resource monitoring and automatic O&M.
Step 3: Create a drill task.	Drill tasks preset drill solutions for resources and enable flexible orchestration of multiple attack tasks for fault injection.
Step 4: Start the drill.	Automatic fault injection will start based on the created drill task once you start a drill task.

Preparations

1. Sign up with Huawei Cloud and complete real-name authentication.
Before using COC, [Sign up for a HUAWEI ID, enable Huawei Cloud services](#), and then [complete real-name authentication](#).
If you already have enabled Huawei Cloud services and completed real-name authentication, skip this step.
2. Enable COC.
Upon your first login, enable COC first.
If you have enabled COC, skip this step.

Step 1: Synchronize resources.



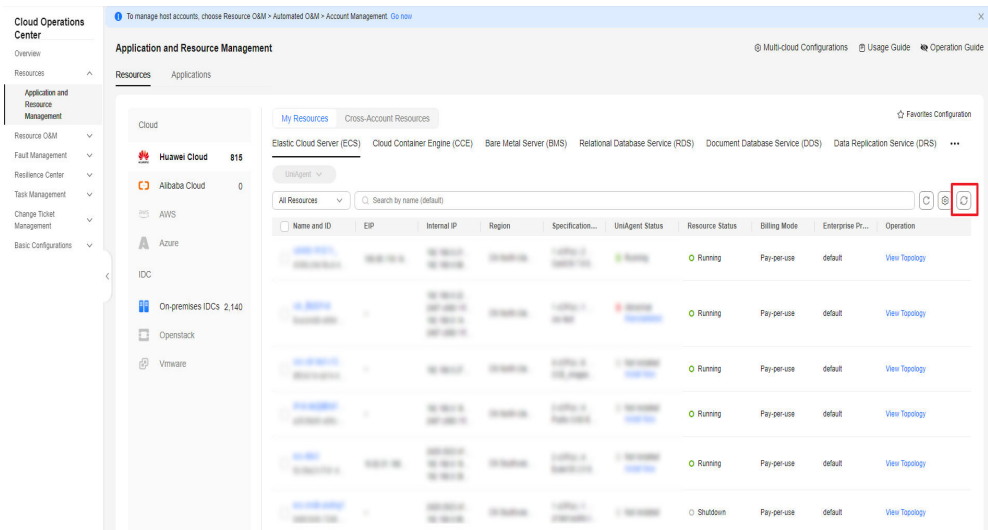
1. Log in to [COC](#).
2. Click  in the upper left corner on the **Overview** page and select a region.
3. In the navigation pane, choose **Resources > Application and Resource Management**.
4. Click  to synchronize resources.

Figure 2-1 Synchronizing resources



Step 2: Creating an Application

1. In the navigation pane, choose **Resources > Application and Resource Management**.
2. Click the **Applications** tab.
3. Click **Create Application**.
4. Configure the application structure type.

Figure 2-2 Parameters for configuring the application structure type

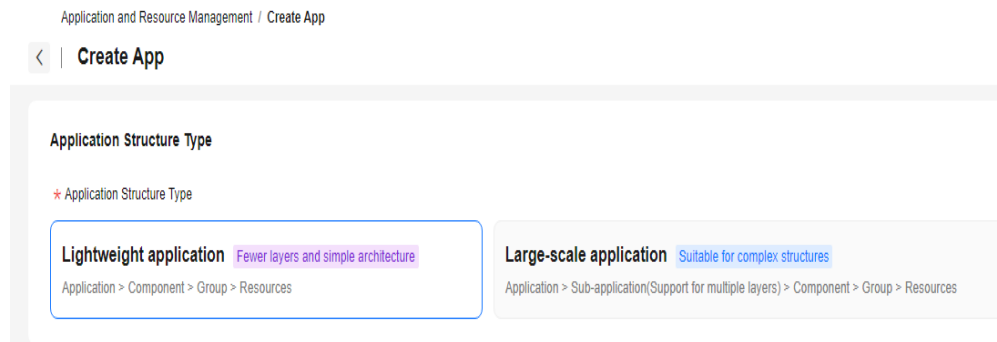


Table 2-1 Parameters for configuring the application structure type

Parameter	Example Value	Description
Application Structure Type	Lightweight application	Select a value based on the complexity of the application structure.

5. Set **Application Structure Configuration**.

Figure 2-3 Parameters in the Application Structure Configuration area

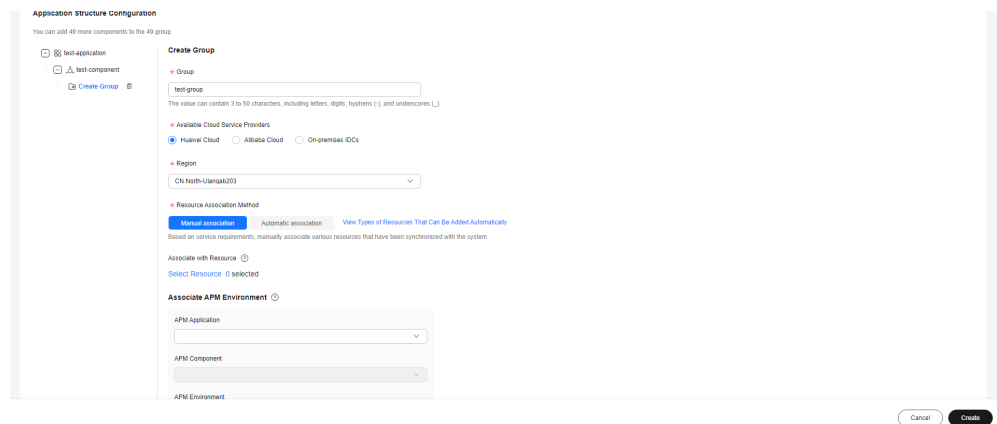


Table 2-2 Parameters in the Application Structure Configuration area

Parameter	Example Value	Description
Application	test-application	Customize an application name based on the naming rule. Click Save .
Component	test-component	Customize the component name based on the naming rule. Click Save .
Group	test-group	Customize a group name based on the naming rule.

Parameter	Example Value	Description
Vendor	Huawei Cloud	Select the cloud vendor to which the target instance belongs.
Region	CN North-Ulanqab203	Select the region in which the target instance is located.
Resource Association Method	Manual association	Select a resource association mode.
Associate with Resource	-	Select the target instance to execute the chaos drill. Click Save .

6. Click **Create**.

Step 3: Creating a Drill Task.

1. In the navigation pane on the left, choose **Resilience Center > Chaos Drills**.
2. Click the **Drill Tasks** tab.
3. Click **Create Task**.
4. Configure basic information.

Figure 2-4 Parameters for configuring the basic information

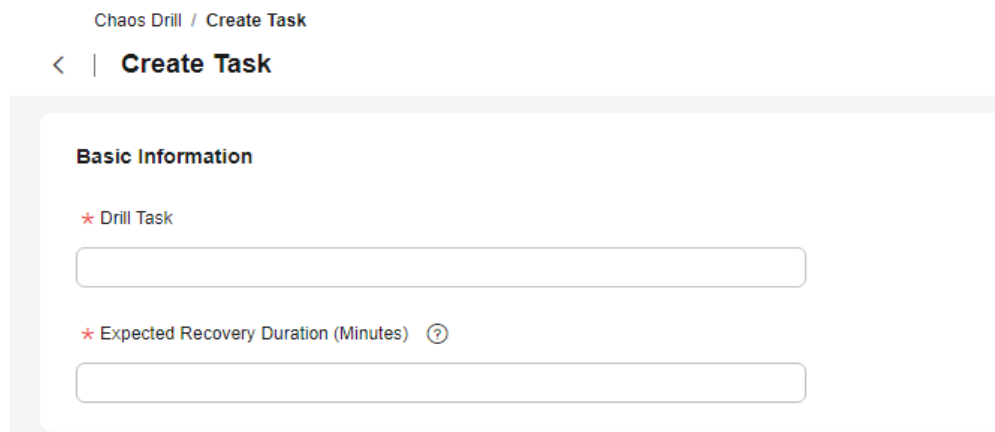


Table 2-3 Basic information parameters

Parameter	Example Value	Description
Drill Task	test-drill	Customize the drill task name based on the naming rules.
Expected Recovery Duration (Minutes)	3	Expected time from fault occurrence to fault recovery

5. Click **Add Attack Task** 5 more attack tasks can be created. The **Create Attack Task** drawer is displayed. You can create 5 more attack tasks.
6. Configure required parameters on the **Create Attack Task** page and click **Next**.

Figure 2-5 Parameters for creating an attack task

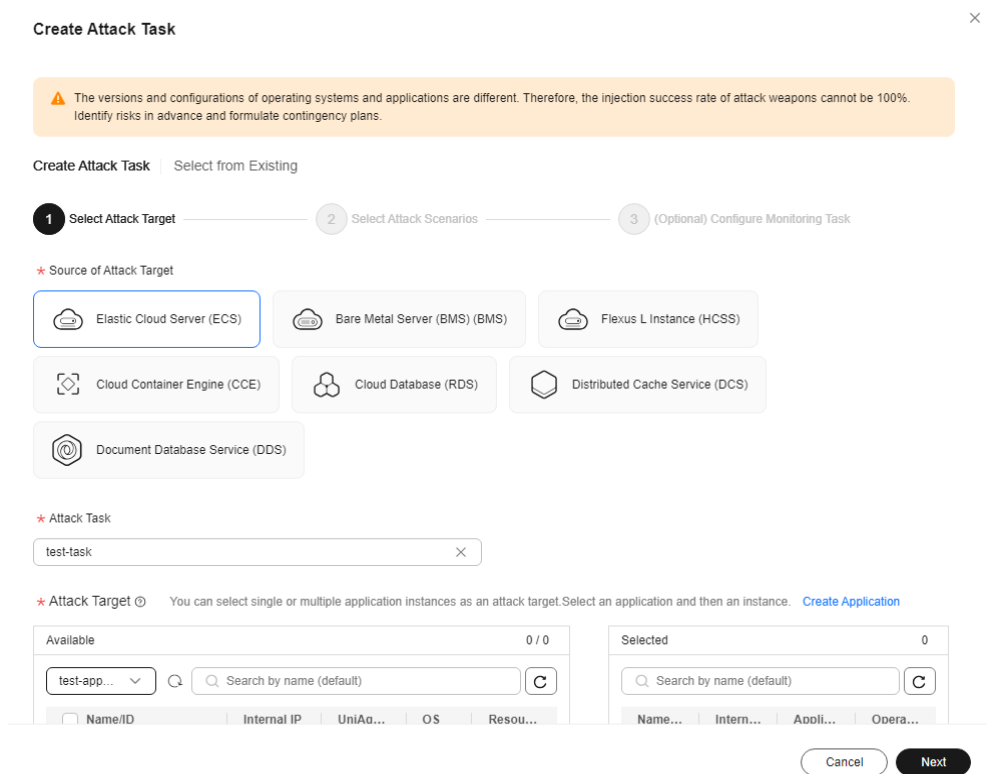


Table 2-4 Parameters for adding an attack task

Parameter	Example Value	Description
Source of Attack Target	Elastic Cloud Server (ECS)	Select the source of the target instance.
Attack Task	test-attacktask	Customize the name of the attack task based on the naming rule.
Attack Target	-	Select a target instance.

7. Set parameters in the **Select Attack Scenarios** step and click **Next**.

Figure 2-6 Parameters for selecting an attack scenario

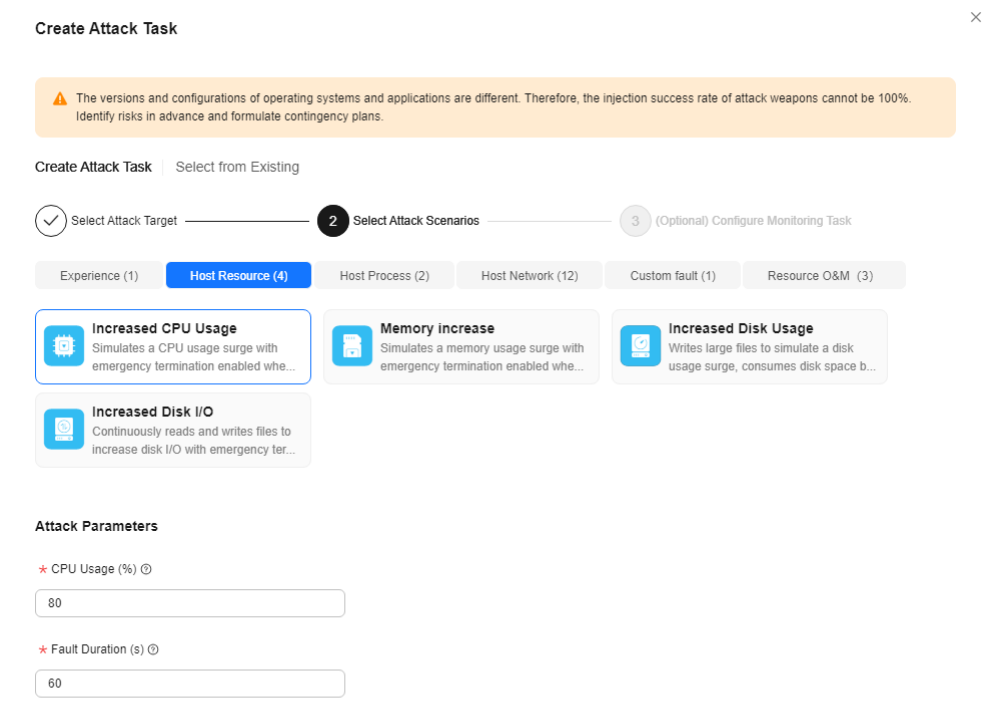


Table 2-5 Parameters for selecting an attack scenario

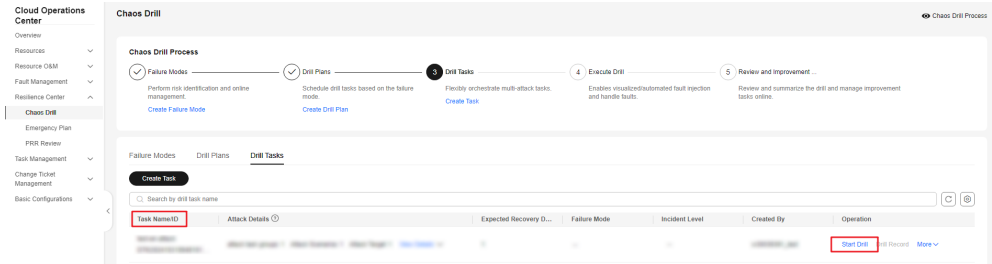
Parameter	Example Value	Description
Attack Type	Host Resource	Attack scenarios are classified based on attack scenario types.
Attack Scenario	Increased CPU Usage	Customize the name of the attack task based on the naming rule.
Attack Parameters	CPU Usage (%): 80 Fault Duration (s): 60	Configure attack parameters based on attack scenarios.

8. Click **Finish**.
9. Click **OK**.

Step 4: Start the drill.

1. In the navigation pane on the left, choose **Resilience Center > Chaos Drills**.
2. Click the **Drill Tasks** tab.
3. Locate the drill task created in [Step 3](#) and click **Start Drill** in the **Operation** column.

Figure 2-7 Starting a drill task



4. Click **OK**.
5. Check the attack progress and details. After the drill is complete, click **Create Drill Report** to create a drill report.

Figure 2-8 Drill record details page

