CodeArts Pipeline

FAQS

Issue 01

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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/

Contents

1 Functions

1.1 Can Pipelines Be Triggered upon Code Change?

Yes.

Step 1 Access the CodeArts Pipeline homepage through a project.

Step 2 In the navigation pane on the left, choose **CICD** > **Pipeline**.

Step 3 Search for the target pipeline, click ··· in the **Operation** column, and select **Edit**. The configuration page is displayed.

Step 4 Click **Execution Plan** to configure triggers of code commits, merge requests, and tag creation.

For details, see Configuring Pipeline Execution Plans.

Step 5 Click **Save** to complete the pipeline configuration.

----End

1.2 Why Are Pipelines That Do Not Listen to Code Commit Events Still Triggered Upon Code Commits?

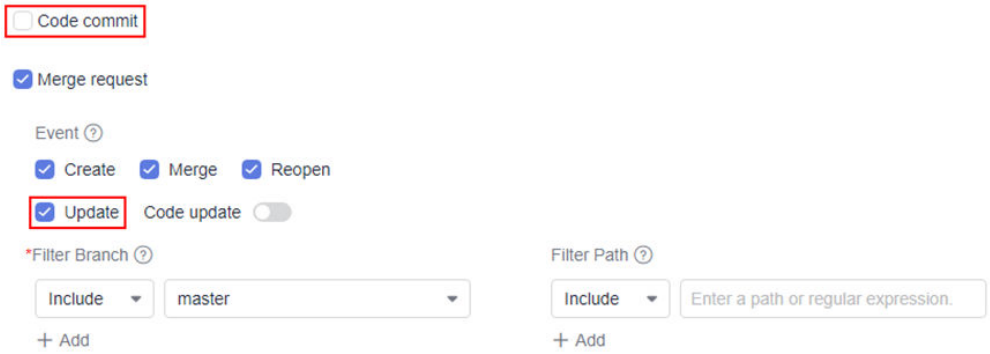
Symptom

Pipelines that do not listen to code commit (push) events are still triggered upon code commits.

Root Cause

- You have changed and committed code of the source branch of an unclosed merge request.
- You have selected **Merge request** and **Update** events at the same time when setting pipeline triggers.

Figure 1-1 Merge request trigger



Solution

When you modify the source branch code of an unclosed merge request and commit code, an update event is generated. If the target branch of the merge request is within the listening range, the corresponding pipeline will be triggered.

2 Troubleshooting

2.1 Pipeline Fails to Run Because Repository Not Found

Symptom

The pipeline fails to run, and a message is displayed, indicating that the repository does not exist or has been deleted.

Root Cause

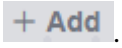
If a pipeline has a Repo code source and the Repo repository is deleted, this error will be reported when you execute the pipeline.

Solution

Step 1 **Create a code repository**.

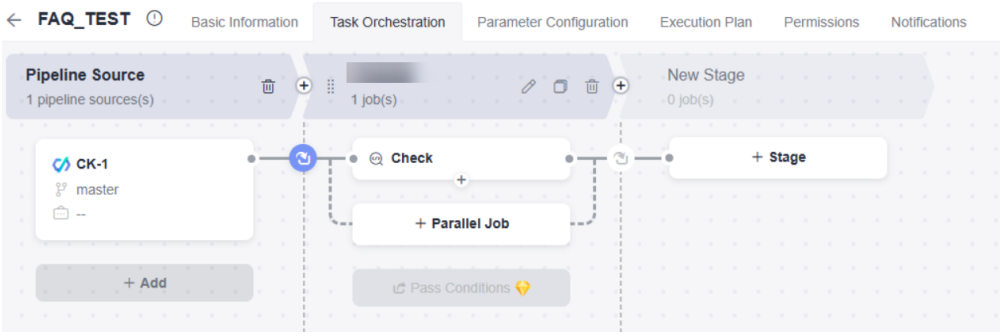
Step 2 In the navigation pane on the left, choose **CICD** > **Pipeline**. On the displayed page, search for the target pipeline, click ••• in the **Operation** column, and select **Edit**. The pipeline orchestration page is displayed.

Step 3 In the **Pipeline Source** stage, click the pipeline source card. In the displayed **Edit Pipeline Source** window, click  . Alternatively, move the cursor to the pipeline source card and click  . In the displayed dialog box, click **OK** to delete the invalid code repository.

Step 4 Click 

. In the **Add Pipeline Source** window, associate the pipeline with the new code repository.

Figure 2-1 Updating the code source



----End

2.2 Pipeline Fails to Run Because the Test Suite Is Already in Progress

Symptom

A pipeline fails to run, and a message is displayed, indicating that the test suite is running.

Root Cause

The test job is already in the running state and cannot be executed parallelly.

Solution

You can use either of the following methods to solve the problem:

- Method 1: Execute the pipeline after the test job is complete.
- Method 2: Access the the test job to stop it. Then execute the pipeline again.

2.3 Pipeline Fails to Run Because Task Not Found

Symptom

A pipeline failed to run, and a message was displayed, indicating that the code check task did not exist and request parameters need to be checked.

Root Cause

The data of the code check task in the pipeline is lost.

Solution

Create a code check task and add the task to the pipeline.

Step 1 **Access the CodeArts Check homepage** through a project.

Step 2 Create a code check task that is associated with the pipeline code repository by referring to **Creating a Task**.

Step 3 In the navigation pane on the left, choose **CICD** > **Pipeline**.

Step 4 Search for the target pipeline, click ··· in the **Operation** column, and select **Edit**. On the displayed **Task Orchestration** page, delete the code check task that fails to be executed, associate the new code check task, and click **Save**.

Step 5 **Execute the pipeline** again.

----End

2.4 Pipeline Is Not Triggered at a Specified Time

Symptom

A pipeline is not triggered at a time specified by a scheduled task.

Root Cause

The scheduled task is not correctly configured or saved.

Solution

Step 1 **Access the CodeArts Pipeline homepage** through a project.

Step 2 Search for the target pipeline, click ··· in the **Operation** column, and select **Edit**. The pipeline orchestration page is displayed.

Step 3 Click **Execution Plan** to check whether the execution date and time of the scheduled task are configured as expected.

Step 4 **Configure a scheduled task** again and click **Save**.

----End

2.5 Execution Button Is Unavailable

Symptom

- The **Execution** button next to a pipeline is unavailable.
- The **Execution** button is not displayed in the upper right corner of the pipeline details page.

Root Cause

Insufficient permissions to execute the pipeline.

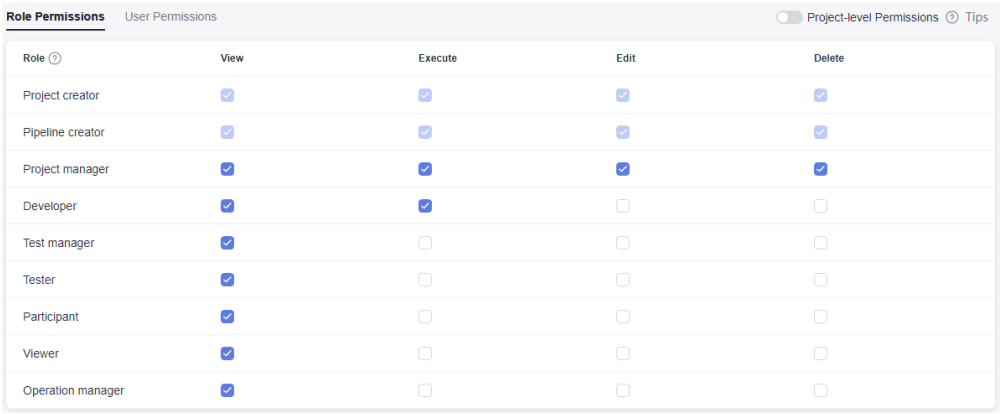
Solution

Step 1 **Log in to CodeArts Pipeline** using an account that can modify the pipeline permissions.

Step 2 Locate the target pipeline from the pipeline list, click ••• in the **Operation** column, and select **Edit**.

Step 3 On the **Task Orchestration** page, click **Permissions** to check pipeline permissions.

Figure 2-2 Pipeline permissions



NOTE

User permissions take precedence over role permissions: By default, user permissions automatically synchronize with role permissions. If user permissions are configured, the user permissions overwrite the role permissions.

- If the role to which the user belongs does not have the execution permission on the **Role Permissions** page, assign the execution permission to the role. As a result, the user of the role has the execution permission on the pipeline.
- If the role to which the user belongs has the run permission on the **Role Permissions** page, add the run permission to the user on the **User Permissions** page.

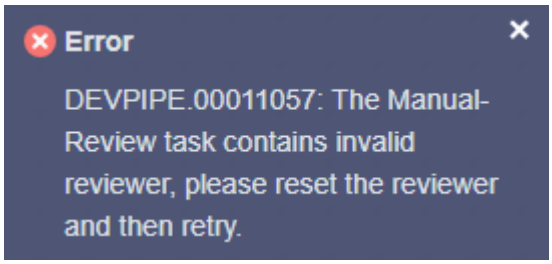
----End

2.6 Inappropriate Reviewer Configured for the Manual Review Task

Symptom

When a pipeline is saved, a message is displayed, indicating that the manual review task contains a reviewer that does not belong to the current project.

Figure 2-3 Error information



Root Cause

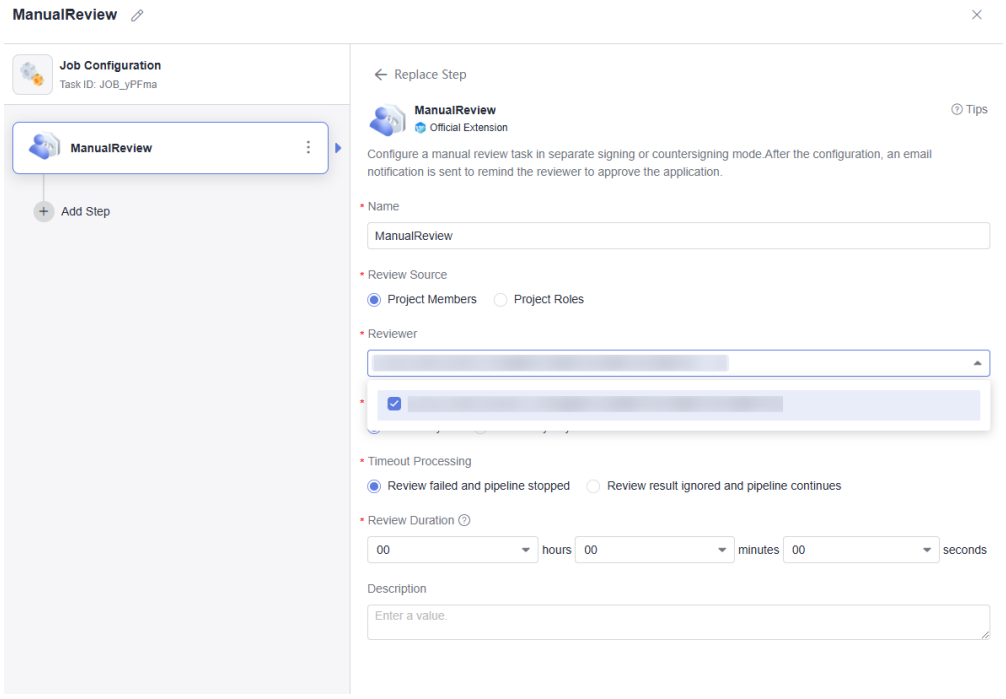
The pipeline contains a manual review task, but the reviewer configured for the task does not belong to the current project.

Solution

You can use either of the following methods to solve the problem:

- Method 1
  a. Add the reviewer to the current project and grant the pipeline execution permission to the reviewer.
     - For details about how to add project members, see **Adding Project Members**.
     - For details about how to configure permissions, see **Enabling and Authorizing CodeArts Pipeline**.
  b. Edit the pipeline and click the failed manual review task.

     Figure 2-4 Configuring a manual review task



  c. Add the reviewer again, and save the configuration.
- Method 2
  Add another member of the current project as the reviewer.
  a. Edit the pipeline and click the failed manual review task.
  b. Add another reviewer and save the configuration.

2.7 Sub-pipeline Not Found

Symptom

A sub-pipeline reports an error, indicating that the sub-pipeline does not exist.

Root Cause

Sub-pipeline does not exist.

Solution

Step 1 **Access the CodeArts Pipeline homepage** through a project.

Step 2 Locate the target pipeline from the pipeline list, click ··· in the **Operation** column, and select **Edit**.

Step 3 Click the failed sub-pipeline to access the configuration page.

Step 4 Reselect the sub-pipeline to be called and click **OK**.

NOTE

If there is no suitable sub-pipeline, create one and then add it to the pipeline.

Step 5 Click **Save and Execute** to execute the pipeline again.

----End

2.8 Change-triggered Pipeline Fails to Run and an Error Message Is Returned: "authentication required"

Symptom

The **CreateReleaseBranch** job of the pipeline fails to be executed, and the message "authentication required" is displayed.

Root Cause

If you use an incorrect username or password when creating a CodeArts Repo HTTPS endpoint, this error will be reported.

Solution

Step 1 **Log in to the Huawei Cloud console**.

Step 2 Click ☰ in the upper left corner of the page, and choose **Developer Services** > **CodeArts** from the service list.

Step 3 Click **Go to Workspace**.

Step 4 Click a project name to access the project.

Step 5 In the navigation pane on the left, choose **Settings** > **General** > **Service Endpoints**.

Step 6 Find and edit the CodeArts Repo HTTPS endpoint associated with the change-triggered pipeline and check the username and password.

1. Click the username in the upper right corner and click **This Account Settings**.
2. Choose **Repo > HTTPS Password** to check the username and password.

For more information, see **Creating Service Endpoints**.

Step 7 Execute the change-triggered pipeline again.

----End

2.9 Pipeline Fails to Run Because Deployment Policy Not Found

Symptom

The cloud native release job of the pipeline fails to run, and a message is displayed, indicating that there is no deployment policy.

Root Cause

There is no deployment policy for the release environment.

Solution

Step 1 **Log in to the Huawei Cloud console**.

Step 2 Click ☰ in the upper left corner of the page, and choose **Developer Services** > **CodeArts** from the service list.

Step 3 Click **Go to Workspace**.

Step 4 Click a project name to access the project.

Step 5 Choose **CICD** > **Release** to access the environment list page.

Step 6 Search for and click the environment associated with the cloud native release job.

Step 7 Switch to the **Release Policy** tab to **configure release policy** for the environment.

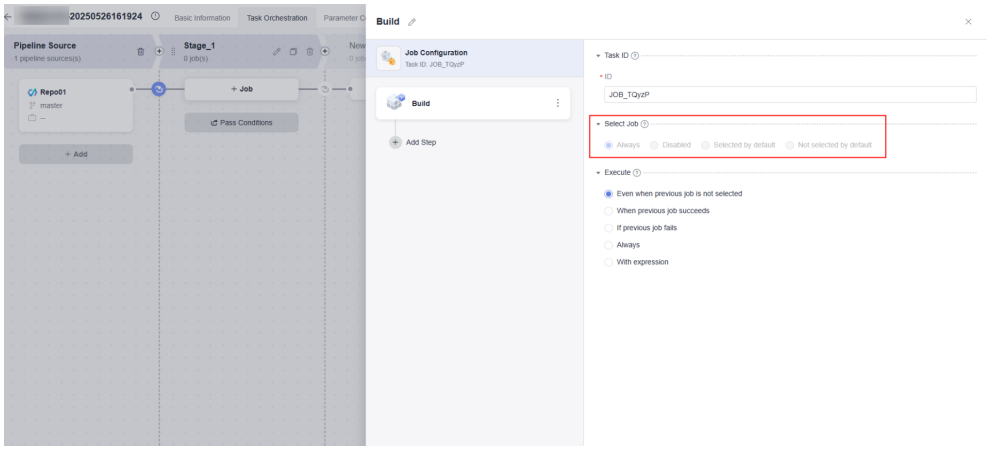
Step 8 Execute the pipeline again.

----End

2.10 Jobs in a Pipeline Stage Cannot Be Selected for Configuration

Symptom

On the **Task Orchestration** page, jobs in a pipeline stage cannot be selected for configuration.



Root Cause

The stage is set to **Yes** for **Always Run**.

Solution

Step 1 Log in to the Huawei Cloud console.

Step 2 Click ☰ in the upper left corner of the page, and choose **Developer Services** > **CodeArts** from the service list.

Step 3 Click **Go to Workspace**.

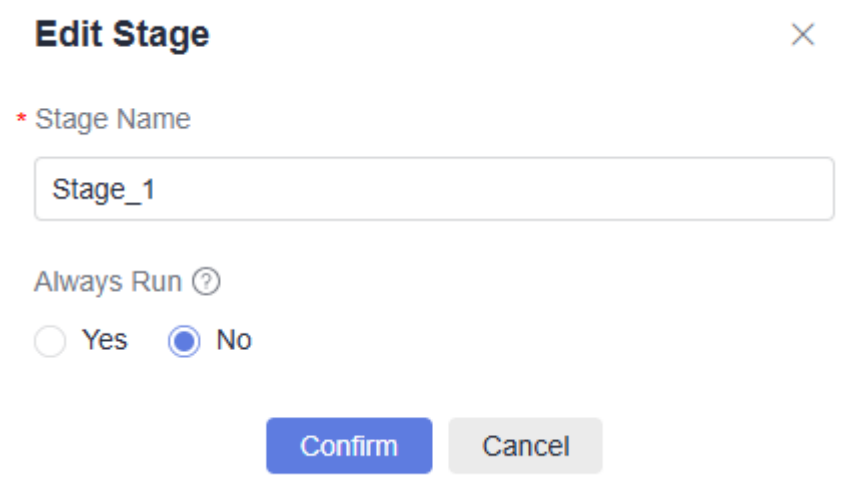
Step 4 Click a project name to access the project.

Step 5 Choose **CICD** > **Pipeline**.

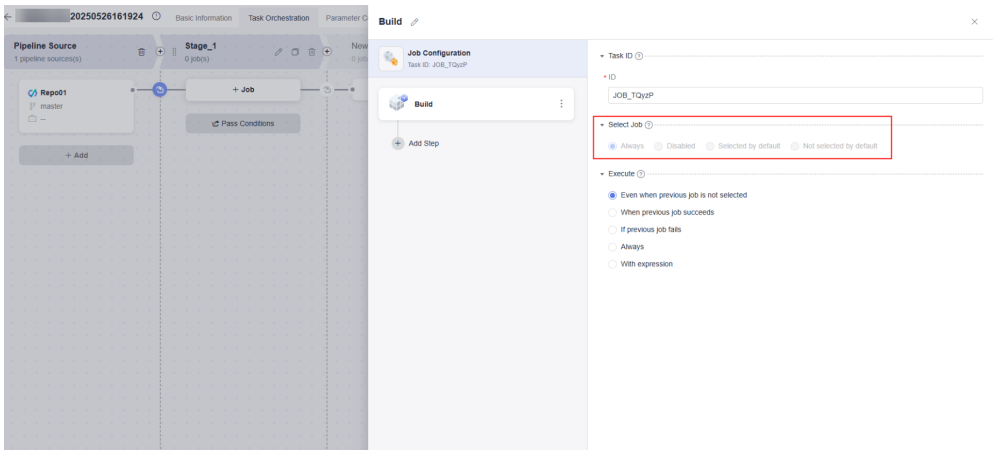
Step 6 Search for the target pipeline, click ••• in the **Operation** column, and select **Edit**. The pipeline configuration page is displayed.

Step 7 Select the target stage, click ✎. The **Edit Stage** window is displayed. Set **Always Run** to **No** and click **Confirm**.

Figure 2-5 Editing a stage



Step 8 Click a job card. In the displayed window, click **Job Configuration**, and set **Select Job** as needed.



----End

2.11 A Pipeline Cannot Be Executed and a Message Is Displayed, Indicating that Tenant Has Hit Its Maximum Concurrent Pipelines

Symptom

When a pipeline is executed, a system message is displayed, indicating that the tenant has hit its maximum concurrent pipelines. However, running pipelines displayed on the pipeline list page remains below this limit.

Root Cause

In the pipeline list, when multiple instances are running concurrently, only a single pipeline record is shown, which fails to accurately reflect all active concurrences.

Solution

Step 1 Log in to the Huawei Cloud console.

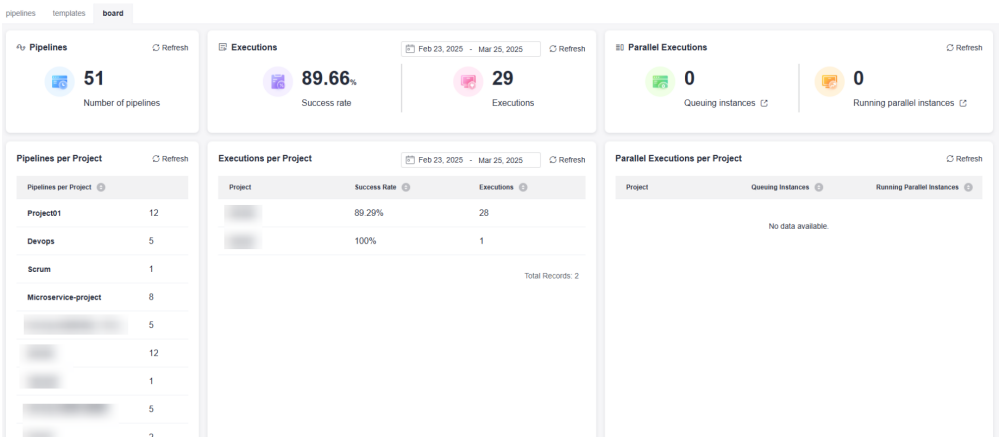
Step 2 Click ☰ in the upper left corner of the page and choose **Developer Services** > **CodeArts Pipeline** from the service list.

Step 3 Click **Access Service** to access the CodeArts Pipeline homepage.

Step 4 Click **Dashboard**, and click next to **Queuing instances** in the **Parallel Executions** card to check details.

Click next to **Running parallel instances** in the **Parallel Executions** card to check details.

Figure 2-6 Dashboard



Step 5 Access the **Task Orchestration** page of the target pipeline, click **Execution Plan**, enable **Parallel Execution**, and set a desired value for **Parallel Instances**.

----End

