CodeArts Pipeline

FAQs

Issue   01

Date   2024-10-12

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Contents

1 Functions

1.1 Can Pipelines Be Triggered upon Code Change?

Yes.

You can configure triggers of code commits, merge requests, and tag creation.

For details, see **Configuring Pipeline Execution Plans**.

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

Reasons:

● You have changed code of the source branch of the merge request (not closed) and committed code.

● You have selected **Merge request** and **Update** events at the same time when setting pipeline triggers.

Figure 1-1 Merge request trigger

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

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

Solution

Step 1 **Create a code repository**.

Step 2 Go to the **Task Orchestration** page to edit the pipeline.

Step 3 In the code source stage, delete the invalid repository and click ➕ **Add** to add a new repository.

Figure 2-1 Updating the code source
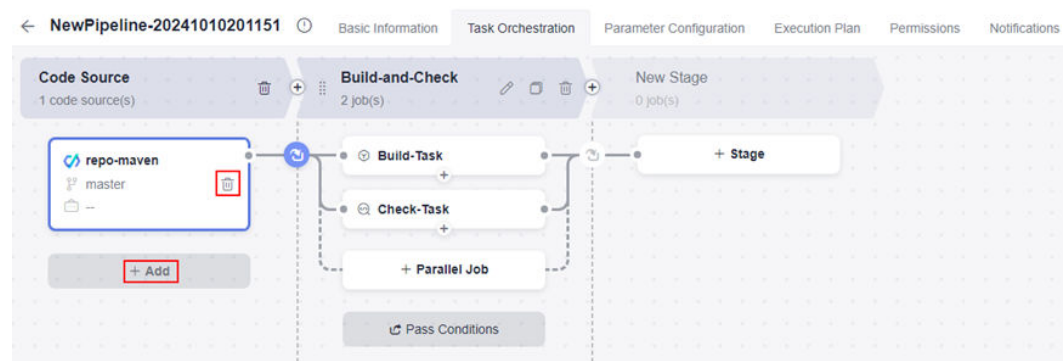
----End

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

- Method 1: Execute the pipeline after the job is complete.
- Method 2: Stop the task and execute the pipeline again.

2.3 Pipeline Fails to Run Because Job Not Found

Symptom

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

Root Cause

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

Solution

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

Step 1 Access CodeArts Check.

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

Step 3 Edit the pipeline, delete the failed code check job, add the created code check job, and save the configuration.

Step 4 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 Find the target pipeline, go to the **Execution Plan** page.

Step 2 Check whether the scheduled task setting is correct.

Step 3 Reset the scheduled task and save the pipeline.

----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 On the pipeline list page, locate the target pipeline, click ••• in the **Operation** column, and click **Edit**.

Step 3 Go to **Task Orchestration** page and click **Permissions** 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 Job

Symptom

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

Root Cause

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

Solution

Step 1 Click the failed job to access the job configuration page.

Step 2 Check and add an appropriate reviewer, and save the job.

Step 3 Save the pipeline again.

----End

2.7 Subpipeline Not Found

Symptom

A subpipeline reports an error, indicating that the subpipeline does not exist.

Root Cause

Subpipeline does not exist.

Solution

Step 1 Edit the pipeline.

Step 2 Click the failed job to access the job configuration page.

Step 3 Reselect the subpipeline to be called and save the configuration.

📖 **NOTE**

> If there is no suitable subpipeline job, create one and then add it to the pipeline.

Step 4 Save and 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 **Access Service** to go to the CodeArts homepage.

Step 4 Click a project name to access the project.

Step 5 In the navigation pane, 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 a Service Endpoint*.

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 **Access Service** to go to the CodeArts homepage.

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