CodeArts Repo

Getting Started

Issue 01

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1 Developing Java Code in a Scrum Project

Before performing the following operations, ensure that your have permissions to create projects and log in to the CodeArts homepage. The following figure shows the process.

Figure 1-1 Java Code Development in a Scrum Project
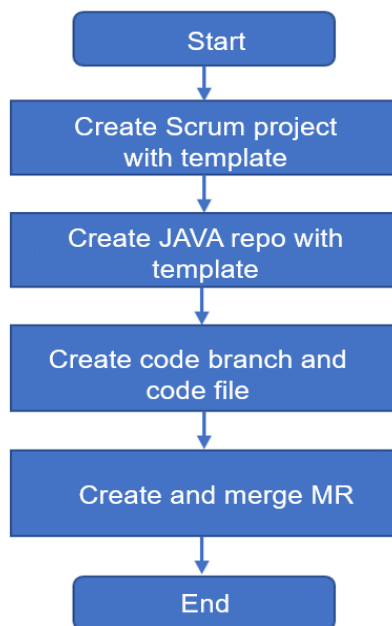
Quickly Creating a Project and a Code Repository

Step 1 Register a Huawei Cloud account and **log in to the Huawei Cloud Console**.

Step 2 Click [icon] 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 **Create Project**, select **Scrum** as the project template, and enter basic project information.

Step 5 In the navigation pane on the left, choose **Code** > **Repo**. Click **New Repository**, choose **Template** > **Java Maven Demo**, enter a **Repository Name**, select **Initial Settings**, and set **Visibility** to **Private**.

Step 6 Click **OK**. The code repository is created and the code page is displayed.

----End

Quickly Creating a Branch and a Code File

Create a branch and a code file. The procedure is as follows:

Step 1 Click **Branches**. On the branch page of the code repository, click **Create Branch**, and enter the **Branch Name** to create a branch based on the master branch. The code homepage is displayed.

Step 2 Choose **Create** > **Create File**. The homepage of the **Create File** is displayed.

Step 3 Enter a file name and select **java** from the text template drop-down list box on the right of the file name. The code file is created and the file list is displayed.

----End

Creating and Merging an MR

Create and merge an MR. The procedure is as follows:

Step 1 Click **Create MR**. The **Create Merge Request** page is displayed. Enter the **Title** for the MR.

Step 2 In the upper right corner of the page, click **Merge** to merge the request.

----End

After the MR is merged, you can clone the latest master branch. You can see that all the latest modified files have been merged.

2 Configuring CodeArts Repo Policies by Administrator

As a code repository administrator, it may be necessary for you to configure policies for high-quality code merging. This section describes how to set policies for protected branches and protected tags in a code repository. Go to the homepage of your code repository and click **Settings**.

Setting a Protected Branch

Step 1 Click **Create Protected Branch**. Select an existing branch, or enter a wildcard that matches at least one existing branch.

Step 2 Set **Push** and **Merge** permissions for the **Administrator/Project manager**, **Committer**, or **Developer**. If the **Push** permission is enabled, the **Merge** permission of the role is enabled by default, and cannot be disabled.

----End

Setting a Protected Tag

Step 1 Click **Create Protected Tag**. Select a tag in the drop-down list of **Tags** or enter a wildcard.

Step 2 Select roles from the drop-down list of **Allowed to Create**.

----End

3 Getting Started with Common Practices

Table 3-1 Common best practices

Practice	Description
Migrating GitLab Intranet Repositories to CodeArts Repo in Batches	Currently, CodeArts Repo only allows for repository migrations between public networks. There is no quick solution for migrating repositories from a platform built on the customer's intranet to CodeArts Repo. Therefore, we provide a script for migrating repositories from an intranet platform to CodeArts Repo in batches.
Importing External Repositories to CodeArts Repo in Batches	Currently, CodeArts Repo only allows for repository migrations between public networks. There is no quick solution for migrating repositories from a platform built on the customer's intranet to CodeArts Repo. Therefore, we provide a script for migrating repositories from an intranet platform to CodeArts Repo in batches.