

**CodeArts Repo**

# 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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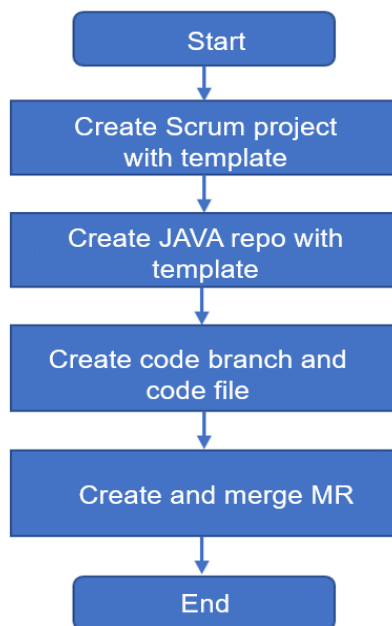
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# 1 Developing Java Code in a Scrum Project


Before performing the following operations, ensure that you 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  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

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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**.

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# 3 Getting Started with Common Practices

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**Table 3-1** Common best practices

Practice	Description
<b>Migrating GitLab Intranet Repositories to CodeArts Repo in Batches</b>	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.
<b>Importing External Repositories to CodeArts Repo in Batches</b>	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.