

## Multibranch pipeline:

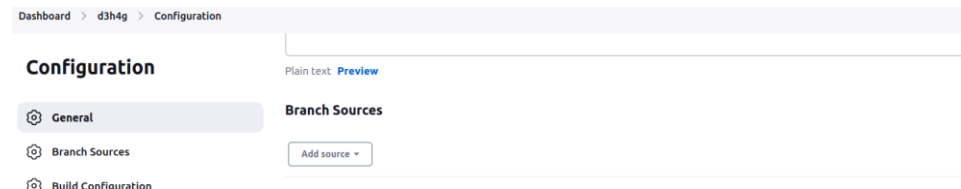
The **Multibranch Pipeline** project type enables you to implement different Jenkinsfiles for different branches of the same project. In a Multibranch Pipeline project, Jenkins automatically discovers, manages and executes Pipelines for branches which contain a Jenkinsfile in source control.

### Steps to create multibranch:

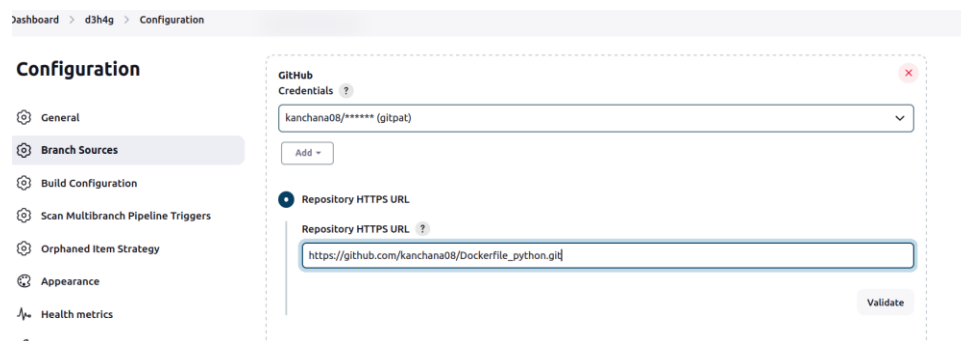
[] in jenkins dashboard go to **new item**.

[] select **multibranch pipeline**.

[] in **branch source**, select **GitHub**.



[] select **GitHub credentials** and **mention GitHub URL**.



[] **save**

[] go to **status**.

[] we will get **master** and **subbranch** of GitHub repo.

The screenshot shows the Jenkins dashboard for a project named 'multi'. The left sidebar contains links to 'Configure', 'Scan Repository Now', 'Scan Repository Log', 'Multibranch Pipeline Events', 'Delete Multibranch Pipeline', 'People', 'Build History', and 'Project Relationship'. The main area displays 'Branches (2)' and 'Pull Requests (0)'. A table lists the branches:

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	dev	17 hr #3	N/A	15 sec
✓	☀	master	19 hr #1	N/A	28 sec

Below the table is an 'Icon Legend' and three Atom feed links: 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'. A 'Disable Multibranch Pipeline' button is in the top right.

[] create new branch in GitHub select **scan repository now**.

The screenshot shows the Jenkins dashboard for a project named 'hgffffffyg'. The 'Scan Repository Now' button in the left sidebar is highlighted with a yellow box. The main area shows 'Branches (3)' and 'Pull Requests (0)'. A 'Disable Multibranch Pipeline' button is in the top right.

[] we will get newly created branch's.

The screenshot shows the Jenkins dashboard for a project named 'd3h4g'. The left sidebar contains links to 'Status', 'Configure', 'Scan Repository Now', 'Scan Repository Log', 'Multibranch Pipeline Events', 'Delete Multibranch Pipeline', 'People', 'Build History', and 'Project Relationship'. The main area displays 'Branches (3)' and 'Pull Requests (0)'. A table lists the branches:

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	dev	58 sec #1	N/A	11 sec
✓	☀	file-j	56 sec #1	N/A	13 sec
✓	☀	master	1 min 1 sec #1	N/A	11 sec

Below the table is an 'Icon Legend' and three Atom feed links: 'Atom feed for all', 'Atom feed for failures', and 'Atom feed for just latest builds'. A 'Disable Multibranch Pipeline' button is in the top right.

[] we can build which branch jenkinsfile want to build.

**Note:** we need to keep pipeline code in the form of jenkinsfile in git.

**Jenkinsfile:**

A **Jenkinsfile** is a text file that contains the definition of a Jenkins Pipeline and is checked into source control.