Pipeline

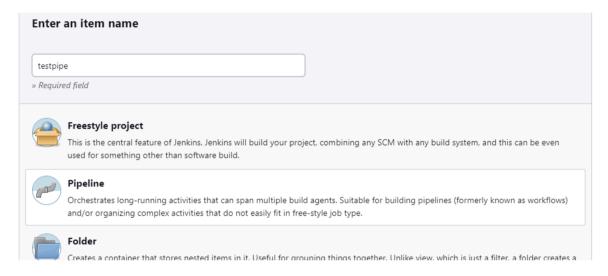
Install Jenkins pipeline plugin

To install the Jenkins Pipeline plugin, follow these steps:

- 1. Open your Jenkins dashboard in a web browser and log in with administrative privileges.
- 2. Click on "Manage Jenkins" in the left-hand menu.
- 3. On the "Manage Jenkins" page, click on "Manage Plugins".
- 4. In the "Available" tab, search for "Pipeline" in the filter box.
- 5. Look for the "Pipeline" plugin in the search results. It should be called something like "Pipeline: Groovy","pipeline", ""Pipeline: Stage View".
- 6. Tick the checkbox next to the "Pipeline" plugin.
- 7. Once you have selected the desired plugins, click on the "Install without restart" button at the bottom of the page.
- 8. Jenkins will download and install the selected plugins. The installation progress will be displayed on the "Plugin Manager" page.
- 9. Once the installation is complete, Jenkins will return to the "Plugin Manager" page, and you should see the installed plugins listed under the "Installed" tab.

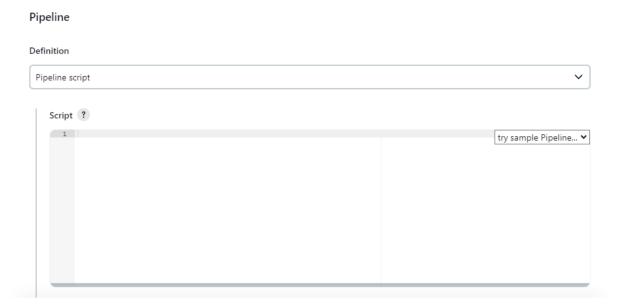
The Pipeline plugin is now installed on your Jenkins server, and you can start creating and executing Jenkins Pipeline jobs using the Pipeline syntax.

Create pipeline



Press it OK

Got to section:



Copy and paste below Declarative pipeline syntax

```
pipeline {
  agent any
  stages {
    stage('Hello') {
    steps {
       sh 'echo "Hello World"'
      }
    }
}
```

And press build now, check the console output

```
Perform same step and again create a new pipeline
node {
 stage('Hello') {
  sh 'echo "Hello World"'
 }
}
Started by user admin
[Pipeline] Start of Pipeline
[Pipeline] node
Running on <u>Jenkins</u> in
/var/lib/jenkins/workspace/testpipe
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Hello) (hide)
[Pipeline] sh
+ echo Hello World
Hello World
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
```

Finished: SUCCESS

```
Started by user admin
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in
/var/lib/jenkins/workspace/testing pipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Hello)
[Pipeline] sh
+ echo Hello World
Hello World
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
Other than syntax no other observation
Multi stage scripted
node {
 stage('Hello') {
```

sh 'echo "Hello World"'

```
}
 stage('stage 2') {
  sh 'echo "Hello World 2"'
 }
 stage('stage 3') {
  sh 'echo "Hello World 3"'
 }
}
Multi stage declarative pipeline
pipeline {
 agent any
 stages {
  stage('Hello') {
   steps {
    sh 'echo "Hello World"'
   }
  }
  stage('stage 2') {
   steps {
    sh 'echo "Hello World 2"'
```

```
}
}
stage('stage 3') {
  steps {
    sh 'echo "Hello World 3"'
  }
}
```

Check the console output