

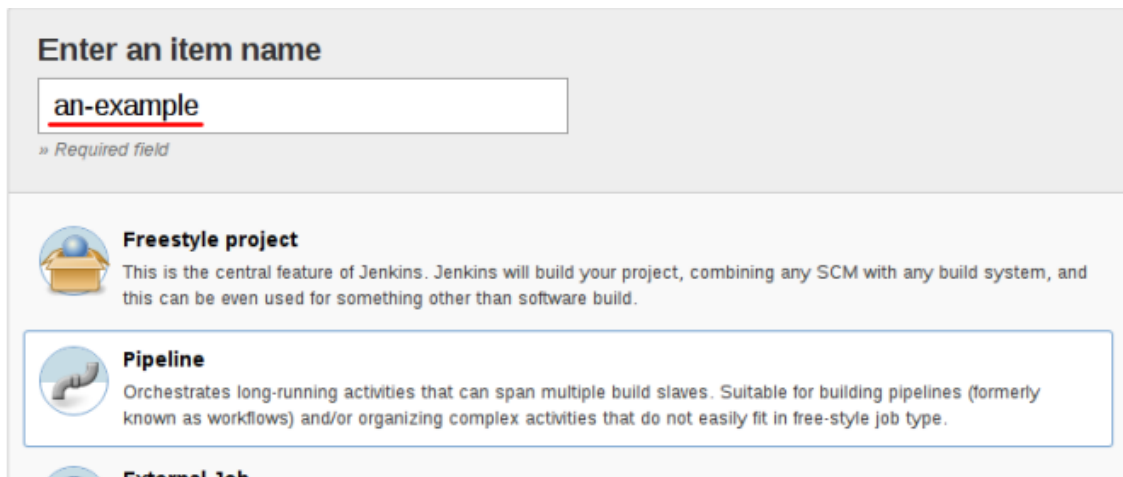
Jenkins Pipeline Lab

To create a basic Pipeline in the Jenkins web UI, follow these steps:

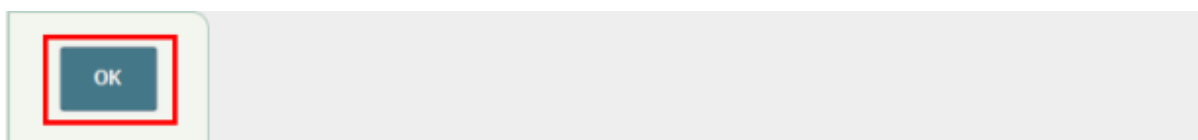
- Click New Item on Jenkins home page.



- Enter a name for your Pipeline, select **Pipeline** and click **OK**.

A screenshot of the 'Enter an item name' form in Jenkins. The form has a text input field containing 'an-example', which is underlined in red. Below the input field is a small text label '» Required field'. Below the input field are three radio button options: 'Freestyle project', 'Pipeline' (selected), and 'External Job'. The 'Pipeline' option is highlighted with a blue border. The description for 'Pipeline' reads: 'Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.'

Press OK



In the Script text area, enter a Pipeline and click Save.

Pipeline

Definition Pipeline script ▼

Script

```
1 node {  
2   echo "Hello World"  
3 }
```


try sample Pipeline... ▼ ⓘ

☒ Use Groovy Sandbox ⓘ










[Pipeline Syntax](#)

Save Apply

- Click **Build Now** to run the Pipeline.

 **Jenkins**

Jenkins > an-example >

-  [Back to Dashboard](#)
-  **Status**
-  [Changes](#)
-  **Build Now**
-  [Delete Pipeline](#)
-  [Configure](#)
-  [Move](#)
-  [Full Stage View](#)
-  [Pipeline Syntax](#)

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#2'

Replay

Pipeline Steps

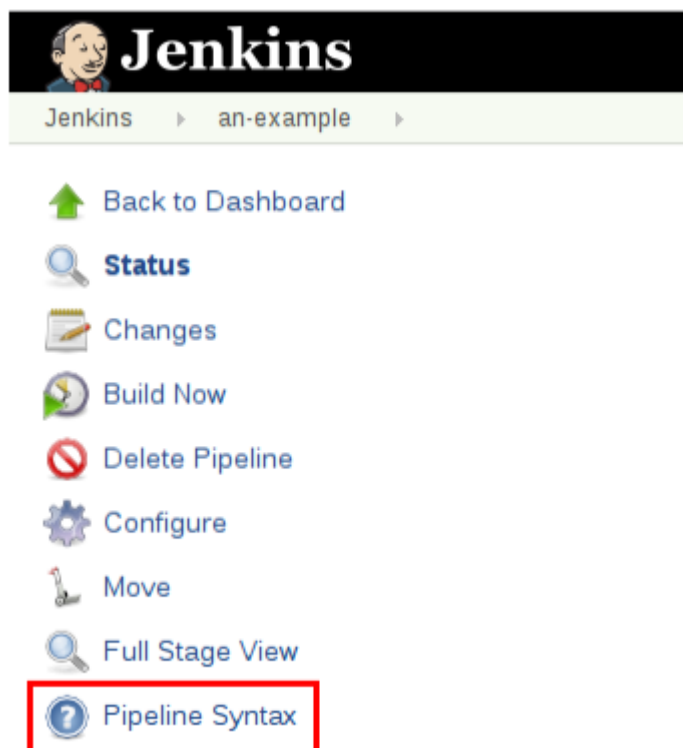
Workspaces

✓ Console Output

```
Started by user amit
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/an-pipeline
[Pipeline] {
[Pipeline] echo
Hello World!!
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Built-in Documentation

The built-in documentation can be found globally at: `localhost:8080/pipeline-syntax/`, assuming you have a Jenkins instance running on localhost port 8080. The same documentation is also linked as Pipeline Syntax in the side-bar for any configured Pipeline project



Snippet Generator The built-in "Snippet Generator" utility is helpful for creating bits of code for individual steps, discovering new steps provided by plugins, or experimenting with different parameters for a particular step. The Snippet Generator is dynamically populated with a list of the steps available to the Jenkins instance. The number of steps available is dependent on the plugins installed which explicitly expose steps for use in Pipeline.

To generate a step snippet with the Snippet Generator:

1. Navigate to the Pipeline Syntax link (referenced above) from a configured Pipeline, or at localhost:8080/pipeline-syntax.
2. Select the desired step in the Sample Step dropdown menu
3. Use the dynamically populated area below the Sample Step dropdown to configure the selected step.
4. Click Generate Pipeline Script to create a snippet of Pipeline which can be copied and pasted

Steps

Sample Step stage: Stage ▼

Stage Name



Generate Pipeline Script

```
stage('Deploy') {  
    // some block  
}
```