Jenkins Pipeline Lab
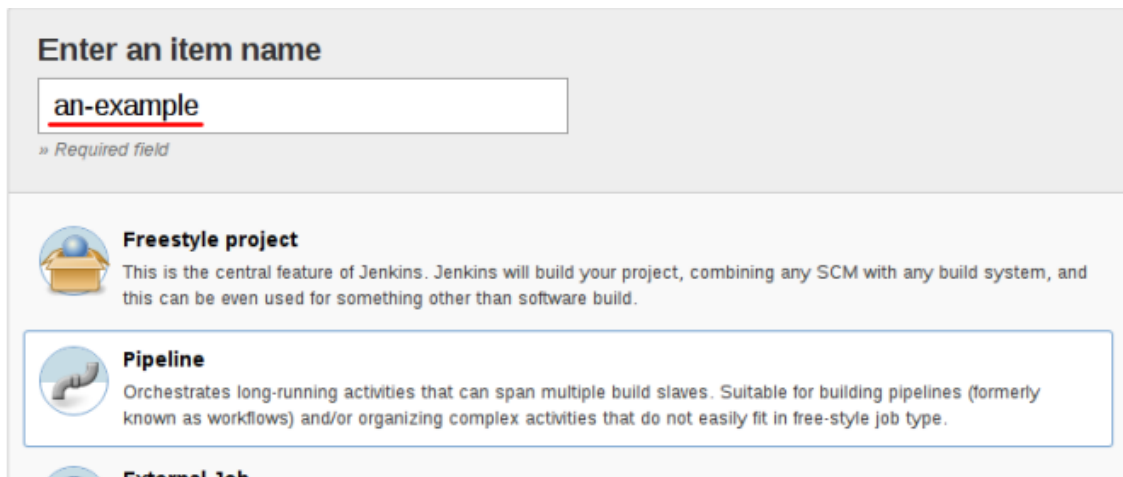
To create a basic Pipeline in the Jenkins web UI, follow these steps:
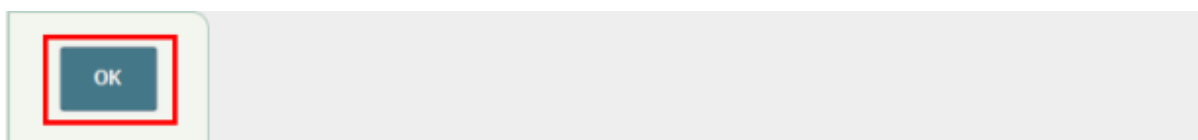
• Click New Item on Jenkins home page

- Click **New Item** on Jenkins home page.

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

Press OK

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

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

```
          ✓  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 plu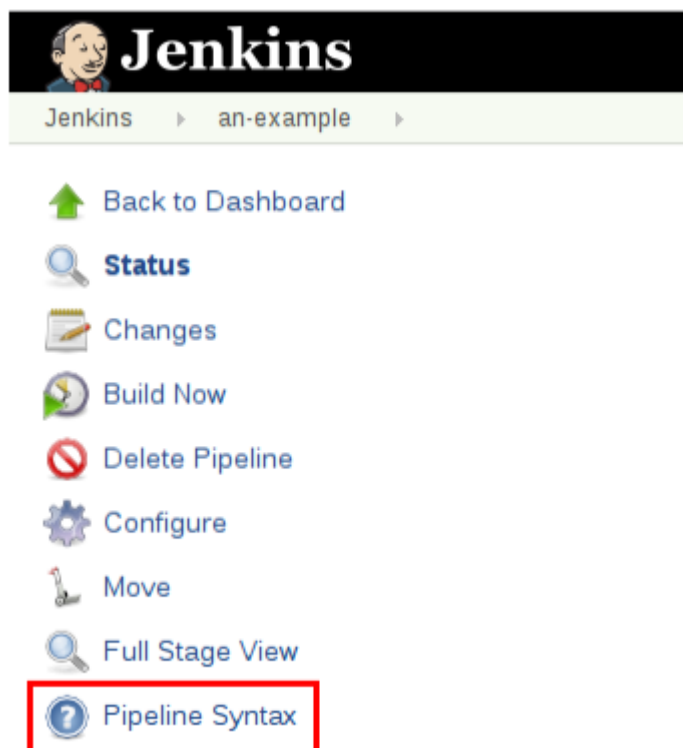gins, or experimenting with different parameters for a particular step. The Snippet Generator is dynamically populated with a list of the steps available to the Jenkins instance. The number of steps available is dependent on the plugins installed which explicitly expose steps for use in Pipeline.

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   Deploy

Generate Pipeline Script

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