

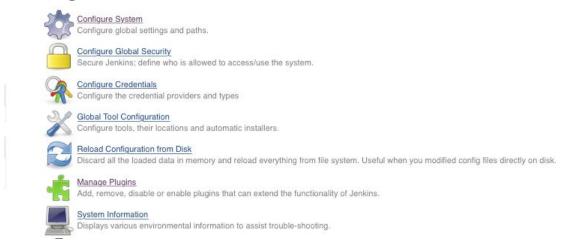
Chapter 2

Lab 2.4

Objective: Create a pipeline that runs multiple jobs, and display the process with the pipeline-stage-view plugin

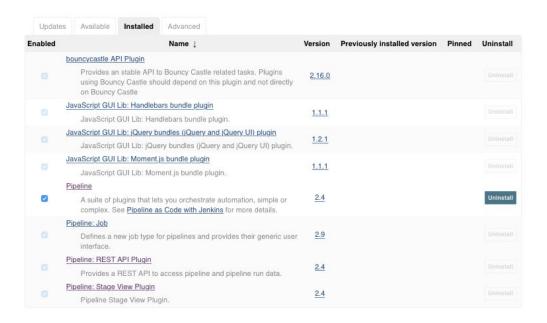
1. To ensure the correct plugin is installed to visualize the pipeline stages, navigate to "Manage Jenkins" on the left hand menu of the console home page, and then select "Manage Plugins".

Manage Jenkins



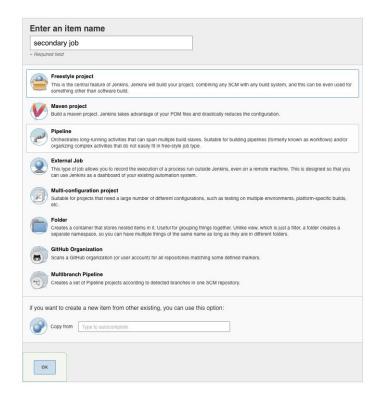
On the "Installed" tab, search for "Pipeline: Stage View Plugin" and ensure it is installed. If not, install it from the "Available" tab.





2. In order to have multiple stages for the pipeline to trigger, a new project will be created. Select the "New Item" option from the left hand menu of the console home page.

Next, name this new item "secondary job", and select "Freestyle project" as the project type.





Add an "Execute shell" build step, and enter the following commands into the "Execute" field:

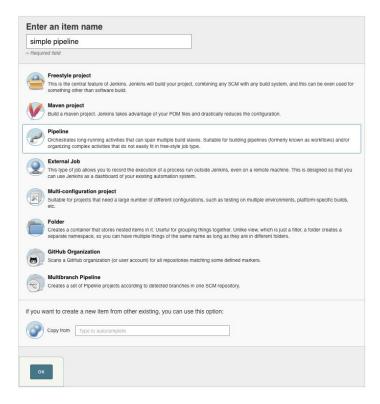
- \$ #!/bin/bash
- \$ echo The secondary job was triggered!



Save the project and return to the console home screen.

3. To build a pipeline with code from a Jenkinsfile, create another new project.

Name the new project "simple pipeline", and select "Pipeline" as the project type.





In the "Pipeline" section add the following:

```
$ stage('Test') {
         build 'Hello-App-Test-Run'
}
$ stage('Secondary') {
         build 'secondary-job'
}
$ stage('Finish') {
         echo "Pipeline finished executing"
}
```



Save the job and return to the Jenkins console home page.

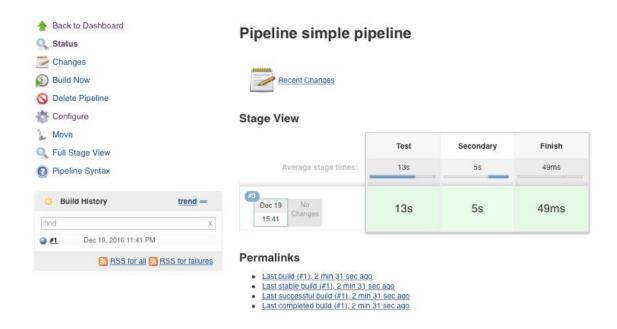
4. Click on the "simple pipeline" job view.

Trigger the "simple pipeline" job by clicking the "Build Now" option in the left hand menu.





The pipeline job will trigger each build in the pipeline section of the "simple pipeline" job. It is possible to trigger jobs that execute specific actions, or have the pipeline job execute actions itself, as demonstrated with both the secondary job, as well as the simple pipeline echo commands.



Jenkins Pipeline Example:

Jenkins Pipeline Example will help you to learn more about simple Jenkins Pipelines. Please link to this exercise before you move to the next section.

You can also read how to setup and visualize code delivery pipelines using Blue Ocean UI.

