4.7 Setting Up Jenkins Pipeline



This section will guide you to:

* Setup and install pipeline plugin in Jenkins in Windows 10 operating system.

**Development Environment**

* Windows
* Jenkins

This guide has three subsections, namely:

4.7.1 Setting up Jenkins in Windows

4.7.2 Installing Pipeline Plugin in Jenkins

4.7.3 Pushing the code to GitHub repositories

**Step 4.7.1:** Setting up Jenkins in Windows

* Jenkins is already installed in your practice lab. Refer to **DotNet Lab guide: Phase 4** for more information.

**Step 4.7.2:** Installing Pipeline Plugin in Jenkins

* Open Jenkins dashboard page on <http://localhost:8080>
* Login as admin user
* From the left bar click **Manage Jenkins**
* In the next page click **Manage Plugins**
* Click on **Available** tab
* Check **Pipeline, Pipeline (workflow-aggregator), Pipeline: Stage View, Docker Pipeline**
* At the bottom of the page click **Install without Restart**
* Go back to the Dashboard page
* This completes installation of the Jenkins Pipeline plugin

**Step 4.7.3:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master