Lab: Concepts of Pipeline, exercise to set-up sample pipelines using Upstream – Downstream Job configuration

Specific Pre-requisites:
1. Jenkins already have following plugins installed: -
   a. **Build Pipeline:** This plugin renders upstream and downstream connected jobs that typically form a build pipeline.

Note: To know how to install plugins, follow instructions mentioned in **Installing Plugins in Jenkins**

2. **Lab-Continuous Deployment** should be completed.

Steps: Create a Build Pipeline using the following steps: -
1. Navigate to Jenkins Dashboard
2. Click on the **+** Tab next to ALL
3. Enter **Name** such as <yourname>_pipeline
4. Select **Build Pipeline View**
5. Click **OK**
6. Scroll down to **Pipeline Flow section**, Select **Upstream/ Downstream config > Select Initial Job** > <Name of Build Job>
7. Click **OK**
8. Click **Run**-It will trigger the build job and deploy job once it is completed.

Installing Plugins in Jenkins

1. Login Jenkins
2. Click **Manage Jenkins** from left panel
3. Click **Manage Plugins**
4. Navigate to **Available** Tab
5. Search the required plugin using search text box provided above;
6. Select the checkbox;
7. Repeat the steps 6 and 7 for more plugins;
8. Click **Install without restart** button
9. After seeing the blue colored Success icon against the installed plugin name.
10. Click **Restart Jenkins when Installation is complete and no jobs are running** checkbox.

   (Note: -In case you do not find any of the plugin in Available Tab, please check in Installed Tab. It may get installed as part of default plugins while installing Suggested plugins)