**Jenkins Installation**

**Introduction**

In this hands-on lab, we will install Java and Jenkins. Once this is done and the Jenkins instance is up and running, take some time to look around the interface and ensure you are familiar with all the menu items and other parts of the interface.

**Solution**

Log in to the server using the credentials provided:

ssh cloud\_user@<PUBLIC\_IP\_ADDRESS>

**Install java-1.8.0-openjdk-devel and EPL repo**

1. Install Java:

sudo yum install -y epel-release java-1.8.0-openjdk-devel

**Install the Repo and Key, and Then Install Jenkins**

1. Install wget:

sudo yum install -y wget

1. Download the repo:

sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat/jenkins.repo

1. Import the required key:

sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io.key

1. Install Jenkins:

sudo yum install -y jenkins

1. Enable Jenkins:

sudo systemctl enable jenkins

1. Start Jenkins:

sudo systemctl start jenkins

1. In a new browser tab, navigate to http://<PUBLIC\_IP\_ADDRESS>:8080, replacing <PUBLIC\_IP\_ADDRESS> with the IP address of the cloud server provided on the lab page.
2. We'll be taken to an *Unlock Jenkins* page telling us we need to locate the password. In the terminal, run:

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

1. Copy the result of the command, as this is the password we need.
2. Paste the password into the *Administrator password* field on the Jenkins browser page.
3. Click **Continue**.
4. Click **Install suggested plugins**. Note: If the install of any plugins fails, just wait a moment and click retry.
5. On the new user creation page, set the following values:
   * *Username*: **student**
   * *Password*: **OmgPassword!**
   * *Full name*: **student**
   * *E-mail address*: **student\@acloudguru.com**
6. Click **Save and Continue**.
7. Click **Save and Finish**.
8. Click **Start using Jenkins**.
9. Click **Manage Jenkins** in the left-hand menu, and then look around a bit to get familiar with the items in that area.

**Conclusion**

Congratulations on successfully completing this hands-on lab!