

deb

Lab 3.1: Install and Configure Jenkins

This section will guide you to:

Install and run Jenkins
This lab has 4 subsections:

- 3.2.1 Add a key to use Debian repository.
- 3.2.2 Make changes to /etc/opt/sources.list.
- 3.2.3 Update local package index.
- 3.2.4 Run Jenkins in browser.

Go to https://pkg.jenkins.io/debian-stable/ to understand how to install Jenkins on a Ubuntu/Debian machine.

Step 3.2.1: To use the Debian repository of Jenkins to automate installation and upgrade, first add the key to your system using the following command:

wget
-q-O
- https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add
Step 3.2.2: Then, add the following entry in your /etc/apt/sources.list:

sudo
vi /etc/apt/sources.list

Now add the following command:

https://pkg.jenkins.io/debian-stable binary/

Save and exit using :wq!





Step 3.2.3: Update your local package index.

sudo

apt-get update

Make sure you have jdk installed. If not, install it using the following command:

sudo

apt-get install openjdk-8-jdk

Then install Jenkins.

sudo apt-get install jenkins

Step 3.2.4: Once Jenkins is installed, open a browser on your local machine and enter the

URL: x.x.x.x:8080

replacing x.x.x.x with the external IP address of your virtual machine.

You will need to enter the admin password.

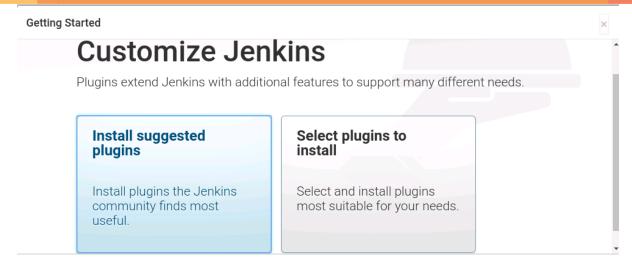
To find the password, type the following command:

sudo

cat /var/lib/jenkins/secrets/initialAdminPassword

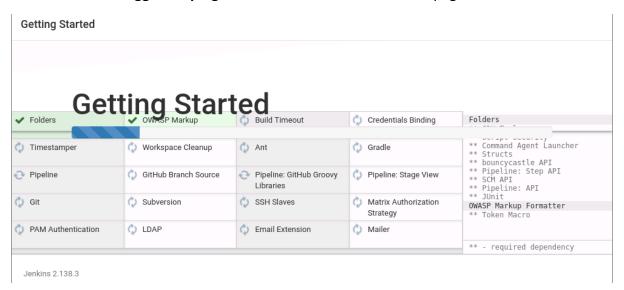
Use the string of numbers as password. Once you are logged in, you will be redirected to the page below:





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Select Install suggested plugins. You will be redirected to the page below:



After installing recommended plugins, you can create "First Admin User" or continue as Admin by filling the required details as shown in the screenshot.





Getting Started						
Create First Admin User						
Userna	name:					
Passw	word:					
Confirm	irm password:					
Full na	name:					
E-mail	ail address:					
Jenkins 2.138.3					Continue as admin	Save and Continue

Once that is done, start using Jenkins.