

-: Install/Deploy Jenkins application on AWS VM :-

Prereq:


- A) AWS VM up and running (AWS account)
 - B) You have the pem key file to connect with ssh
 - C) Ubuntu18 with ssh ready.
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- 1) Step1: Connect to VM using SSH, PEM key and Public IP
 - a. `ssh -i aws_key.pem ubuntu@13.127.8.20`
 - 2) Step2: Install JAVA
 - a. `sudo apt update`
 - b. `sudo apt install openjdk-8-jdk`
 - 3) Step3: Add the jenkins Repository
 - a. Import GPG Keys
 - `wget -q -O - https://pkg.jenkins.io/debian/jenkins.io.key |`
 - `sudo apt-key add -`
 - b. Add the Jenkins repository to the system
 - `sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ >`
 - `/etc/apt/sources.list.d/jenkins.list'`
 - 4) Step4: Install jenkins
 - a. `sudo apt update`
 - b. `sudo apt install jenkins`
 - c. Press 'Y' to confirm the download and installation
 - d. To verify if jenkins is up and running
 - `sudo systemctl status jenkins`
- P.S** for Error message:- certificate expired issue run command:
- `sudo apt install ca-certificates`
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- 5) Step5: Modify the Firewall to allow Jenkins
 - a. `sudo ufw allow 8080`
 - b. `sudo ufw status`
 - c. `sudo ufw enable`
 - 6) Setup Jenkins
 - a. To launch and set up Jenkins, open a web browser, and navigate to the IP address of your server:
 - `http://<ip address or domain>:8080`




Welcome to Jenkins!


☐ Keep me signed in


- b. You should see a page that prompts you to **Unlock Jenkins**. You'll need the default password. You can get the default password by switching to a command line and entering the following:
`sudo cat /var/lib/jenkins/secrets/initialAdminPassword`
- c. The system returns an alphanumeric code. Enter that code, then click **Continue**.
- d. Next, you are prompted to either **Install suggested plugins** or **Select plugins to install**. It's fine to simply install the suggested plugins. You can always install more plugins later. The system continues the initial Jenkins setup.
- e. Then you will be prompted to **Create First Admin User**. Enter the credentials you want to use for your Jenkins administrator, then **Save and Continue**.
- f. After this, you should set up the **Instance Configuration**. This is the preferred network address for this Jenkins installation. Confirm the address you want to use for your server. This is most likely the same address you used to get to this configuration page. When you're satisfied, click **Save and Finish**.
- g. You should see a page that says **Jenkins is ready!** You can click **Start using Jenkins** to open the Jenkins dashboard.


 **Jenkins**


Dashboard ▶


 New Item


 People


 Build History


 Project Relationship

 Check File Fingerprint

 Manage Jenkins

 My Views

 Lockable Resources

 New View

Build Queue ^









No builds in the queue.

Build Executor Status ^

1 Idle

2 Idle

All +

S	W	Name ↓
		vbhaskar_trng_build
		vbhaskar_trng_setup
		vbhaskar_trng_test
		zz_krishna_job_1

Icon: [S](#) [M](#) [L](#)

Plugins:

1. Environment Injector
2. Rebuilder