

JENKINS INSTALLATION

For installing Jenkins ubuntu is preferred OS. So create a ubuntu EC2 instance in AWS

AMI Details

Ubuntu Server 22.04 LTS (FVM), SSD Volume Type - ami-02ee793250491e04e
 Ubuntu Server 22.04 LTS (FVM), SSD General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).
 Root Device Type: ebs Virtualization type: hvm

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GiB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups

Security group name: launch-wizard-6
 Description: launch-wizard-6 created 2022-06-26T19:43:26.153-05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	

Now download Jenkins

<https://www.jenkins.io/download>

From the above link download the latest version JENKINS for your respective OS.

Left side shows the stable versions of Jenkins.

Download Jenkins 2.346.1 LTS for:	Download Jenkins 2.356 for:
Generic Java package (.war) <small>SHA-256: 1f3dca5d25d5cd8d8dbaf607e7a7c153ac3291ad2588218625a79ac2ba27</small>	Generic Java package (.war) <small>SHA-256: 1f3dca5d25d5cd8d8dbaf607e7a7c153ac3291ad2588218625a79ac2ba27</small>
Docker	Docker
Ubuntu/Debian	Ubuntu/Debian
CentOS/Fedora/Red Hat	CentOS/Fedora/Red Hat
Windows	Windows
openSUSE	openSUSE
FreeBSD ⓘ	Arch Linux ⓘ
Gentoo ⓘ	FreeBSD ⓘ
macOS ⓘ	Gentoo ⓘ
OpenBSD ⓘ	macOS ⓘ
	OpenBSD ⓘ

Connect to ubuntu instance using SSH.

```
[ ]$ chmod 400 inst key.pem
```

```
[ ]$ ssh -i "inst_key.pem" ubuntu@ec2-18-141-189-66.ap-southeast-1.compute.amazonaws.com
```

Run the following commands to install Jenkins

Jenkins Debian Packages

This is the Debian package repository of Jenkins to automate installation and upgrade. To use this repository, first add the key to your system:

```
curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee \
/usr/share/keyrings/jenkins-keyring.asc > /dev/null
```

Then add a Jenkins apt repository entry:

```
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
```

Update your local package index, then finally install Jenkins:

```
sudo apt-get update
sudo apt-get install fontconfig openjdk-11-jre
sudo apt-get install jenkins
```

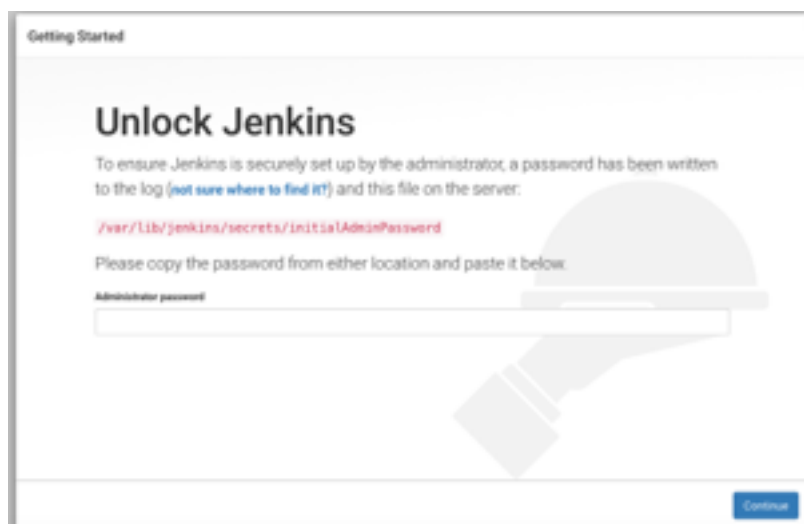
```
[ ]$ cd /var/lib/jenkins
```

```
[ var/lib/jenkins ]$ cat config.xml
```

This shows the Jenkins version installed in Ubuntu system.

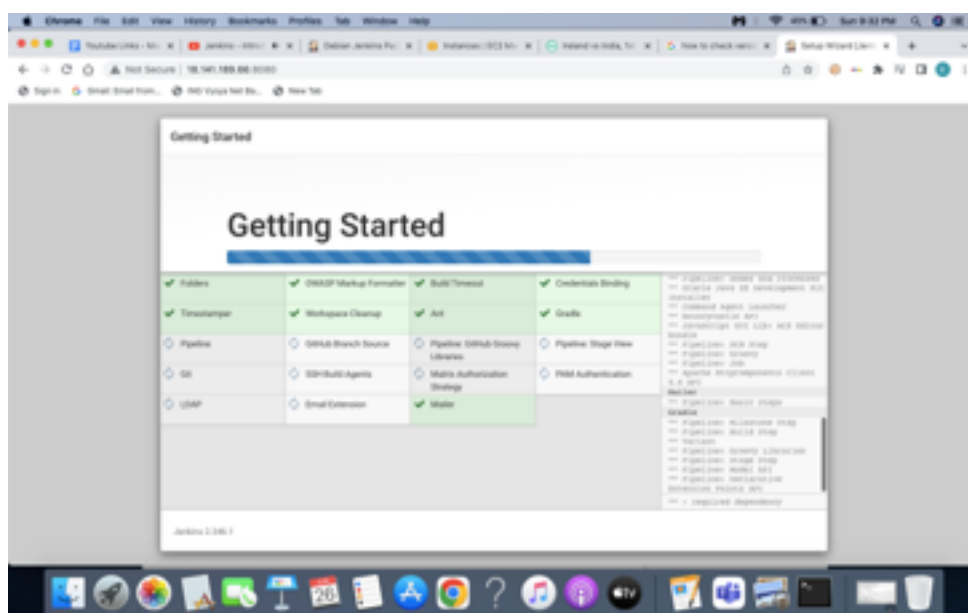
Copy the public IP address of your ubuntu instance and paste it in browser followed by port number 8080

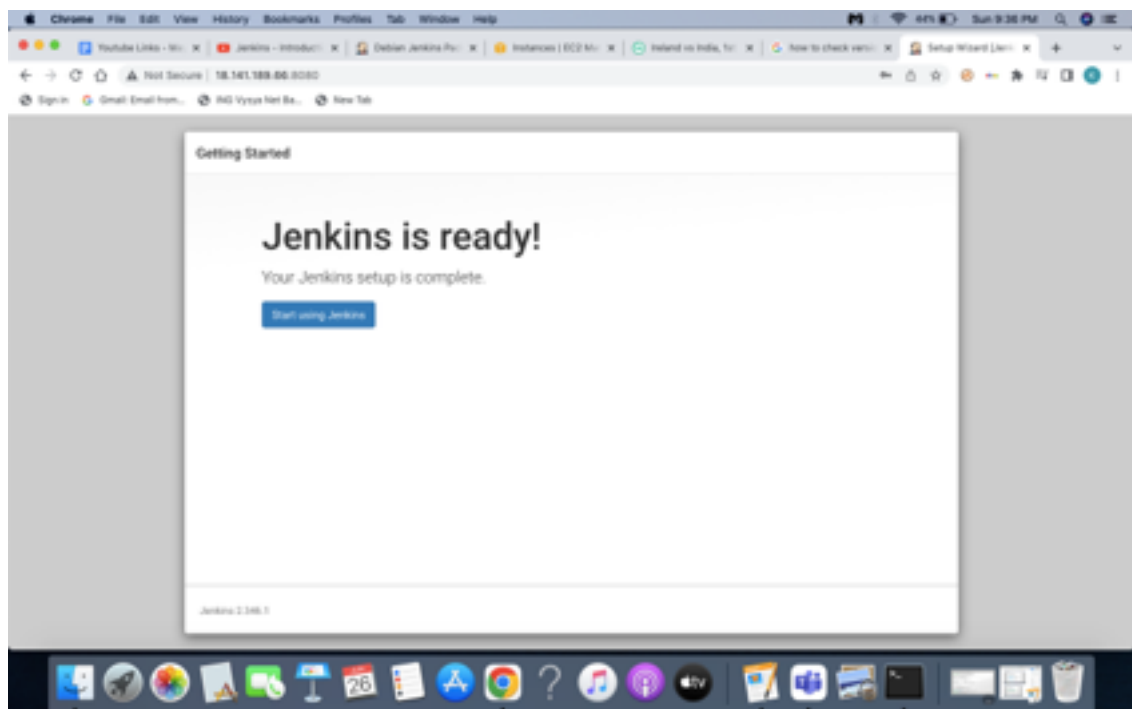
<public_ip>:8080



```
[ ] $ sudo cat /var/lib/jenkins/secrets/AdminPassword
```

After that we can see the following page.





This completes Jenkins installation and setup.