GIT COMMANDS:

Configure git:

1) $ git config --global user.name "NewUser"

2) $ git config --global user.email “abc@xyz.com”

```
User@DESKTOP-H61QU7O MINGW64 ~
$ git config --global user.name "NewUser"

User@DESKTOP-H61QU7O MINGW64 ~
$ git config --global user.email "abc@xyz.com"
```

3) $ git config –list

```
User@DESKTOP-H61QU7O MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=NewUser
user.email=abc@xyz.com
```

4) create directory

$ mkdir firstdirectory

```
User@DESKTOP-H61QU7O MINGW64 ~
$ mkdir firstdirectory
```

5) list all files

$ ls

```
User@DESKTOP-H61QU7O MINGW64 ~
$ ls
'3D Objects'/       Links/                                                                          OneDrive/      'VirtualBox VMs'/
 AppData/          'Local Settings'@                                                                Pictures/       firstdirectory/
'Application Data'@  MicrosoftEdgeBackups/                                                         PrintHood@      getting-started/
 Contacts/          Music/                                                                         Recent@         ntuser.dat.LOG1
 Cookies@          'My Documents'@                                                                'Saved Games'/  ntuser.dat.LOG2
 Desktop/           NTUSER.DAT                                                                     Searches/       ntuser.ini
 Documents/         NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.blf                        SendTo@         workspace/
 Downloads/         NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000001.regtrans-ms  'Start Menu'@
 Favorites/         NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000002.regtrans-ms  Templates@
 Jedi/              NetHood@                                                                       Videos/
```

6) create file inside directory

$ cd firstdirectory/

$ nano index1.html

```
User@DESKTOP-H61QU7O MINGW64 ~
$ cd firstdirectory/

User@DESKTOP-H61QU7O MINGW64 ~/firstdirectory
$ nano index1.html
```

7) Init

$ git init

```
User@DESKTOP-H61QU7O MINGW64 ~/firstdirectory
$ git init
Initialized empty Git repository in C:/Users/User/firstdirectory/.git/

User@DESKTOP-H61QU7O MINGW64 ~/firstdirectory (master)
$ ls
index1.html
```

8) add

$ git add index1.html

```
User@DESKTOP-H61QU7O MINGW64 ~/firstdirectory (master)
$ git add index1.html
warning: LF will be replaced by CRLF in index1.html.
The file will have its original line endings in your working directory
```

9) status

$ git status

```
User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index1.html
```

10) git commit

$ git commit –m

```
User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ git commit -m "New text added , file converted from index1 to index2"
[master (root-commit) 3698d72] New text added , file converted from index1 to index2
 1 file changed, 15 insertions(+)
 create mode 100644 index1.html
```

11) Git remote

```
User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (main)
$ git remote add original https://github.com/poojaps22/New-Repository
error: remote original already exists.
```

12) Git Push : To make all your committed changes available to your teammates

13) Git Clone commands helps to copy any code sitting on gitlab to another developer system .

```
User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ cd

User@DESKTOP-H61QU70 MINGW64 ~
$ mkdir temp

User@DESKTOP-H61QU70 MINGW64 ~
$ cd temp/
```

```
User@DESKTOP-H61QU70 MINGW64 ~/temp
$ Git clone https://github.com/poojaps22/New-Repository.git
Cloning into 'New-Repository'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

14) Git Branch, Adding a new branch, Switching the branch, Deleting a branch:

```
User@DESKTOP-H61QU70 MINGW64 ~/temp
$ git branch
fatal: not a git repository (or any of the parent directories): .git

User@DESKTOP-H61QU70 MINGW64 ~/temp
$ cd

User@DESKTOP-H61QU70 MINGW64 ~
$ cd firstderectory/
bash: cd: firstderectory/: No such file or directory

User@DESKTOP-H61QU70 MINGW64 ~
$ cd firstdirectory/

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ git branch
* master

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ git branch main

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (master)
$ git checkout main
Switched to branch 'main'
M       index11.html

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (main)
$ git branch temp

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (main)
$ ls
index11.html  index22.html

User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (main)
$ git branch -D temp
Deleted branch temp (was c1dff40).
```

15) git log:

```
User@DESKTOP-H61QU70 MINGW64 ~/firstdirectory (main)
$ git log
commit c1dff406cd35a79d64508cff496e72e4c7e934e0 (HEAD -> main, master)
Author: NewUser <“abc@xyz.com”>
Date:   Mon Aug 23 15:14:20 2021 +0530

    changed

commit 3368daabe160091bad889c31471ea553d816c349
Author: NewUser <abc@xyz.com>
Date:   Mon Aug 23 11:51:53 2021 +0530

    New text added , file converted from index11 to index22
```

DOCKER:

1) sudo –s

2) sudo apt update

3) Installing docker:

sudo apt install docker.io

```
root@user-VirtualBox:/home/user# sudo apt update
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metada
ta [27.6 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Me
tadata [61.1 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11
Metadata [2,464 B]
Fetched 205 kB in 2s (96.8 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
511 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@user-VirtualBox:/home/user# sudo  apt install docker.io
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan
Suggested packages:
  ifupdown aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap
  docker-doc rinse zfs-fuse | zfsutils git-daemon-run | git-daemon-sysvinit
  git-doc git-el git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
```

3) checking docker version:

docker --version

```
root@user-VirtualBox:/home/user# docker --version
Docker version 20.10.7, build 20.10.7-0ubuntu1~20.04.1
```

4) getting image from docker for ubuntu:

sudo docker pull ubuntu

```
root@user-VirtualBox:/home/user# sudo su
root@user-VirtualBox:/home/user# sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
16ec32c2132b: Pull complete
Digest: sha256:82becede498899ec668628e7cb0ad87b6e1c371cb8a1e597d83a47fac21d6af3
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
```

5) getting images:

sudo docker images

```
root@user-VirtualBox:/home/user# sudo docker images
REPOSITORY   TAG       IMAGE ID       CREATED       SIZE
ubuntu       latest    1318b700e415   3 weeks ago   72.8MB
```

6) creating container:

sudo docker run –it –d ubuntu

```
root@user-VirtualBox:/home/user# sudo docker run -it -d ubuntu
5142d60cfe2b53c881e7911c310605d4b6d29b6159e680a14fa1d4c8fbfa09cc
```

7) getting information about container:

sudo docker ps

```
root@user-VirtualBox:/home/user# sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED         STATUS         PORTS     NAM
ES
5142d60cfe2b   ubuntu    "bash"    6 minutes ago   Up 5 minutes             ecs
tatic_rhodes
```

8) giving custom name for container

sudo docker run –it –d –name custname ubuntu

```
root@user-VirtualBox:/home/user# sudo docker run -it -d --name custname ubuntu
e6775a97d597c76f563a9f555f7893f2cf1cd9d0af9de3edfa7e263cf8c0be11
```

9) getting information about container:

sudo docker ps

```
root@user-VirtualBox:/home/user# sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED          STATUS          PORTS     N
AMES
e6775a97d597   ubuntu    "bash"    18 seconds ago   Up 17 seconds             c
ustname
5142d60cfe2b   ubuntu    "bash"    37 minutes ago   Up 37 minutes             e
cstatic_rhodes
```

10) Aligning port to a container:

Sudo docker run –it –d –p 80:80 ubuntu

```
root@user-VirtualBox:/home/user# sudo docker run -it -d -p 80:80 ubuntu
db28b600125383578b5aadba8fbfd7b5509bbc44945fcface9bceeb9c02769d6
```

11) Going inside container:

Sudo docker exec –ti custname bash

```
root@user-VirtualBox:/home/user# sudo docker exec -ti custname bash
root@e6775a97d597:/#
```

12) Exit : to come out of container

```
root@e6775a97d597:/# exit
exit
root@user-VirtualBox:/home/user#
```

13) Installing nginx inside container:

Sudo apt install nginx –y

```
root@user-VirtualBox:/home/user# sudo apt install nginx -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
0 upgraded, 7 newly installed, 0 to remove and 511 not upgraded.
Need to get 603 kB of archives.
After this operation, 2,134 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common
 all 1.18.0-0ubuntu1.2 [37.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod
-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod
-http-xslt-filter amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod
-mail amd64 1.18.0-0ubuntu1.2 [42.5 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod
-stream amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core a
md64 1.18.0-0ubuntu1.2 [425 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx all 1.
18.0-0ubuntu1.2 [3,620 B]
```

14) service nginx status : command to check whether nginx is running or not

15) service nginx start : this command will start nginx

16) docker stop(container id) : to stop working of container

```
root@user-VirtualBox:/home/user# sudo docker ps
CONTAINER ID    IMAGE      COMMAND    CREATED              STATUS              PORTS
                           NAMES
db28b6001253    ubuntu     "bash"     20 minutes ago       Up 20 minutes       0.0.0
.0:80->80/tcp, :::80->80/tcp    lucid_engelbart
e6775a97d597    ubuntu     "bash"     37 minutes ago       Up 37 minutes
                           custname
5142d60cfe2b    ubuntu     "bash"     About an hour ago    Up About an hour
                           ecstatic_rhodes
root@user-VirtualBox:/home/user# docker stop(5142d60cfe2b)
bash: syntax error near unexpected token `('
root@user-VirtualBox:/home/user# docker stop 5142d60cfe2b
5142d60cfe2b
root@user-VirtualBox:/home/user# sudo docker ps
CONTAINER ID    IMAGE      COMMAND    CREATED           STATUS           PORTS
                           NAMES
db28b6001253    ubuntu     "bash"     22 minutes ago    Up 22 minutes    0.0.0.0:80-
>80/tcp, :::80->80/tcp     lucid_engelbart
e6775a97d597    ubuntu     "bash"     38 minutes ago    Up 38 minutes
                           custname
```

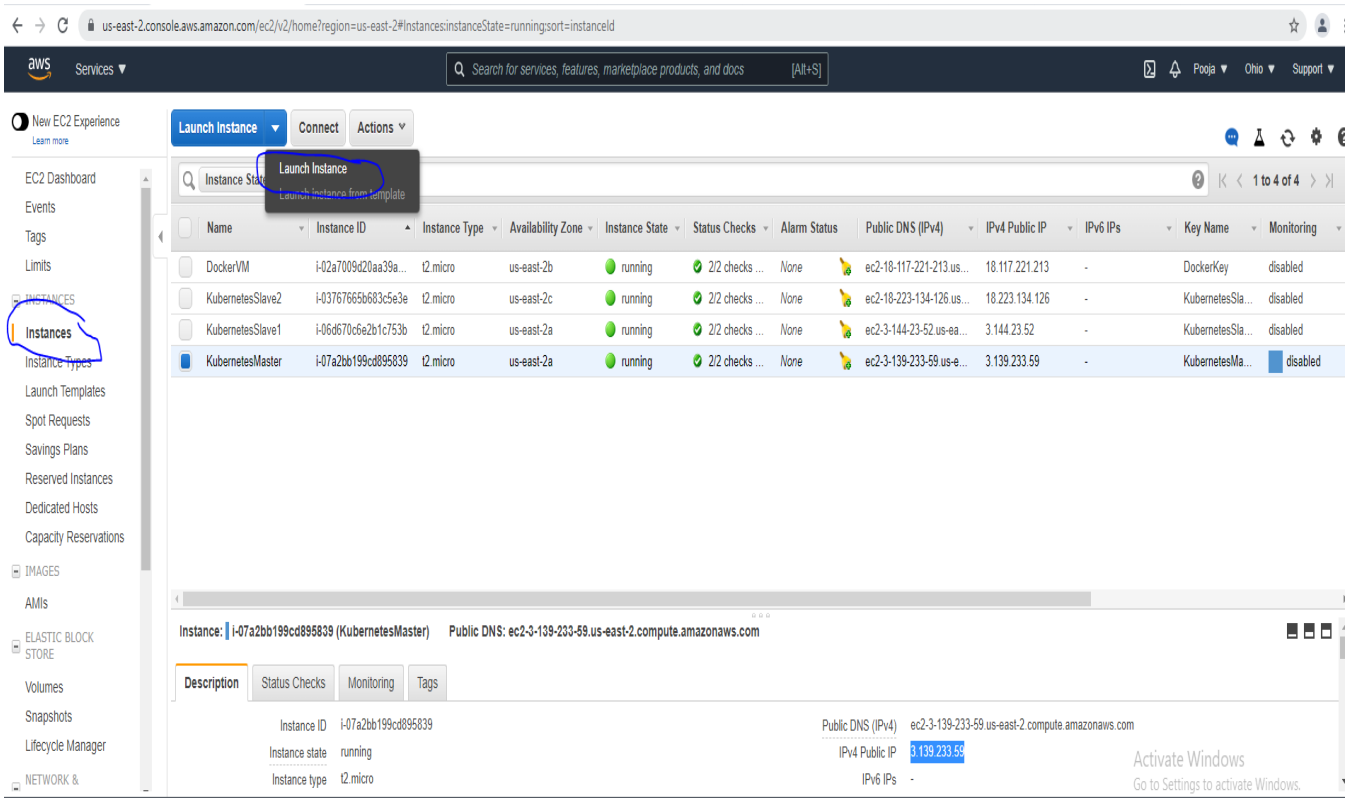
17) docker commit(container id) custom-image:

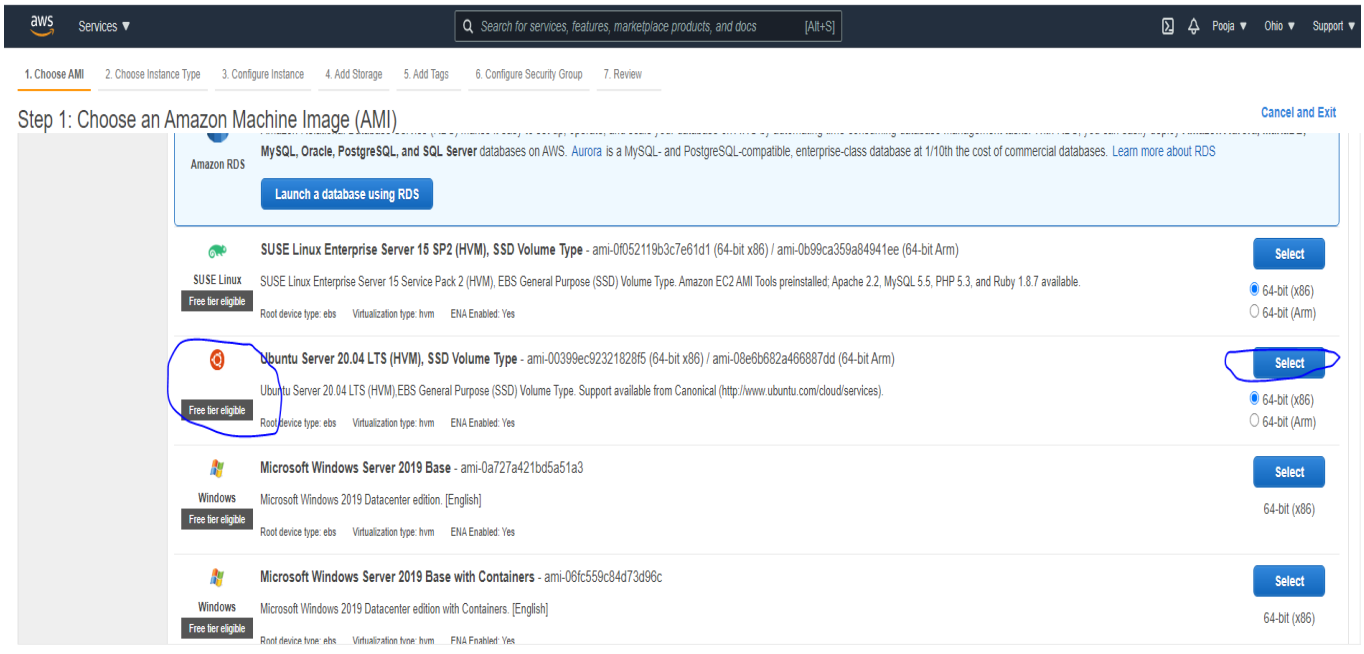
```
root@user-VirtualBox:/home/user# docker commit db28b6001253 cus_image
sha256:1116ecd7b9bc9f35ae7663f4a4e2d100e626f0e3c9543672068986921876b0ebb
```

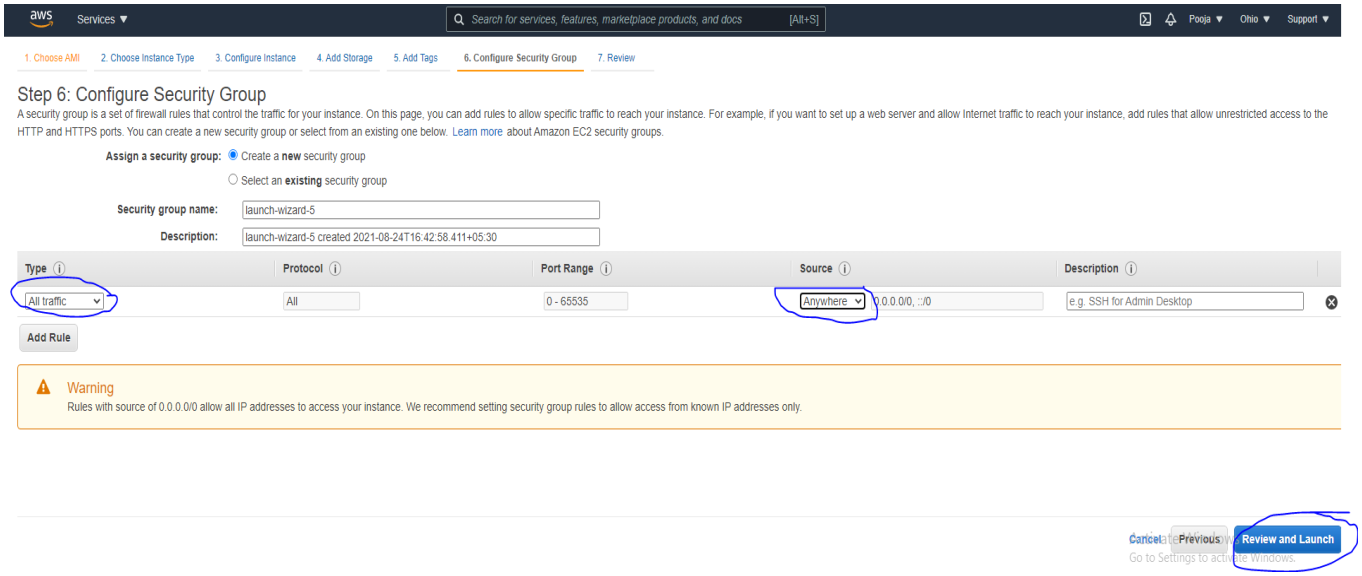
18) docker tag custom_image pooja/nginx-ubuntu-image: renaming an existing image

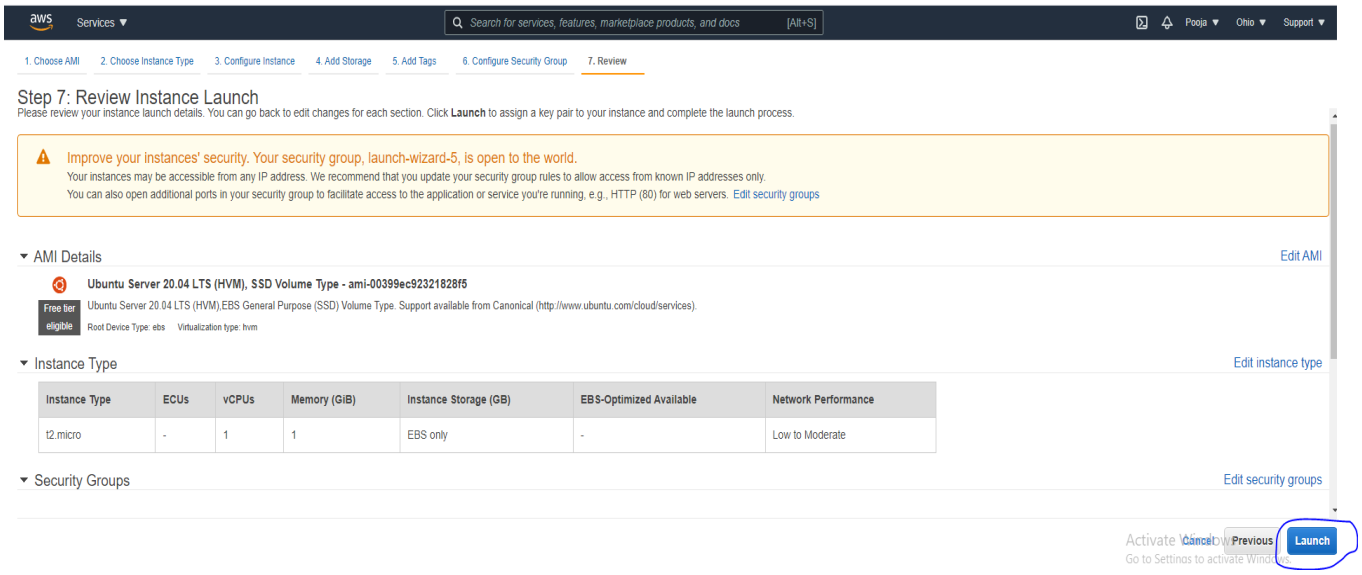
```
root@user-VirtualBox:/home/user# docker tag cus_image pooja/nginx-ubuntu-image
root@user-VirtualBox:/home/user# docker images
REPOSITORY                  TAG       IMAGE ID       CREATED          SIZE
cus_image                   latest    1116ecd7b9bc   4 minutes ago    72.8MB
pooja/nginx-ubuntu-image    latest    1116ecd7b9bc   4 minutes ago    72.8MB
<none>                      <none>    9a09c3d93f78   5 minutes ago    72.8MB
ubuntu                      latest    1318b700e415   3 weeks ago      72.8MB
```

AWS :

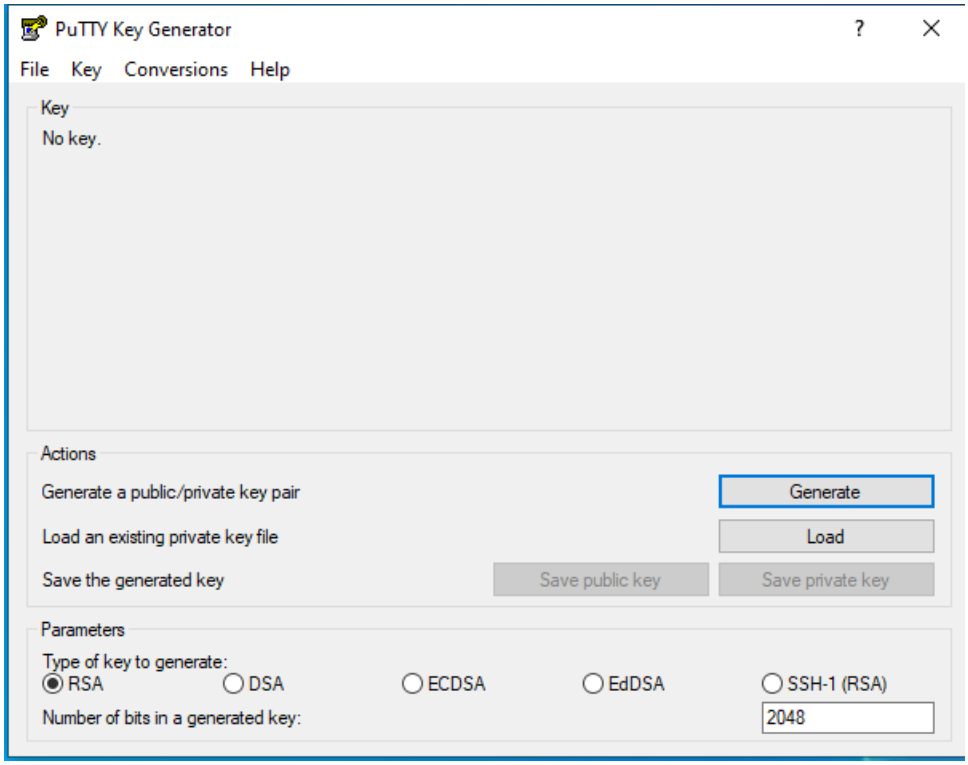

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:instanceState=running;sort=instanceId
Services
Search for services, features, marketplace products, and docs [Alt+S]
Pooja
Ohio
Support
New EC2 Experience
Learn more
Launch Instance
Connect
Actions
Launch Instance
EC2 Dashboard
Events
Tags
Limits
INSTANCES
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
IMAGES
AMIs
ELASTIC BLOCK STORE
Volumes
Snapshots
Lifecycle Manager
NETWORK &
1 to 4 of 4
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IPv4)
IPv4 Public IP
IPv6 IPs
Key Name
Monitoring
DockerVM i-02a7009d20aa39a... t2.micro us-east-2b running 2/2 checks ... None ec2-18-117-221-213.us... 18.117.221.213 - DockerKey disabled
KubernetesSlave2 i-03767665b683c5e3e t2.micro us-east-2c running 2/2 checks ... None ec2-18-223-134-126.us... 18.223.134.126 - KubernetesSla... disabled
KubernetesSlave1 i-06d670c6e2b1c753b t2.micro us-east-2a running 2/2 checks ... None ec2-3-144-23-52.us-ea... 3.144.23.52 - KubernetesSla... disabled
KubernetesMaster i-07a2bb199cd895839 t2.micro us-east-2a running 2/2 checks ... None ec2-3-139-233-59.us-e... 3.139.233.59 - KubernetesMa... disabled
Instance: i-07a2bb199cd895839 (KubernetesMaster) Public DNS: ec2-3-139-233-59.us-east-2.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID i-07a2bb199cd895839
Instance state running
Instance type t2.micro
Public DNS (IPv4) ec2-3-139-233-59.us-east-2.compute.amazonaws.com
IPv4 Public IP 3.139.233.59
IPv6 IPs -
Activate Windows
Go to Settings to activate Windows.


Services
Search for services, features, marketplace products, and docs [Alt+S]
Pooja
Ohio
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
Amazon RDS
MySQL, Oracle, PostgreSQL, and SQL Server databases on AWS. Aurora is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. Learn more about RDS
Launch a database using RDS
SUSE Linux Enterprise Server 15 SP2 (HVM), SSD Volume Type - ami-0f052119b3c7e61d1 (64-bit x86) / ami-0b99ca359a84941ee (64-bit Arm)
SUSE Linux
Free tier eligible
SUSE Linux Enterprise Server 15 Service Pack 2 (HVM), EBS General Purpose (SSD) Volume Type. Amazon EC2 AMI Tools preinstalled; Apache 2.2, MySQL 5.5, PHP 5.3, and Ruby 1.8.7 available.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-00399ec92321828f5 (64-bit x86) / ami-08e6b682a466887dd (64-bit Arm)
Free tier eligible
Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
Microsoft Windows Server 2019 Base - ami-0a727a421bd5a51a3
Windows
Free tier eligible
Microsoft Windows 2019 Datacenter edition. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select
64-bit (x86)
Microsoft Windows Server 2019 Base with Containers - ami-06fc559c84d73d96c
Windows
Free tier eligible
Microsoft Windows 2019 Datacenter edition with Containers. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
Select
64-bit (x86)

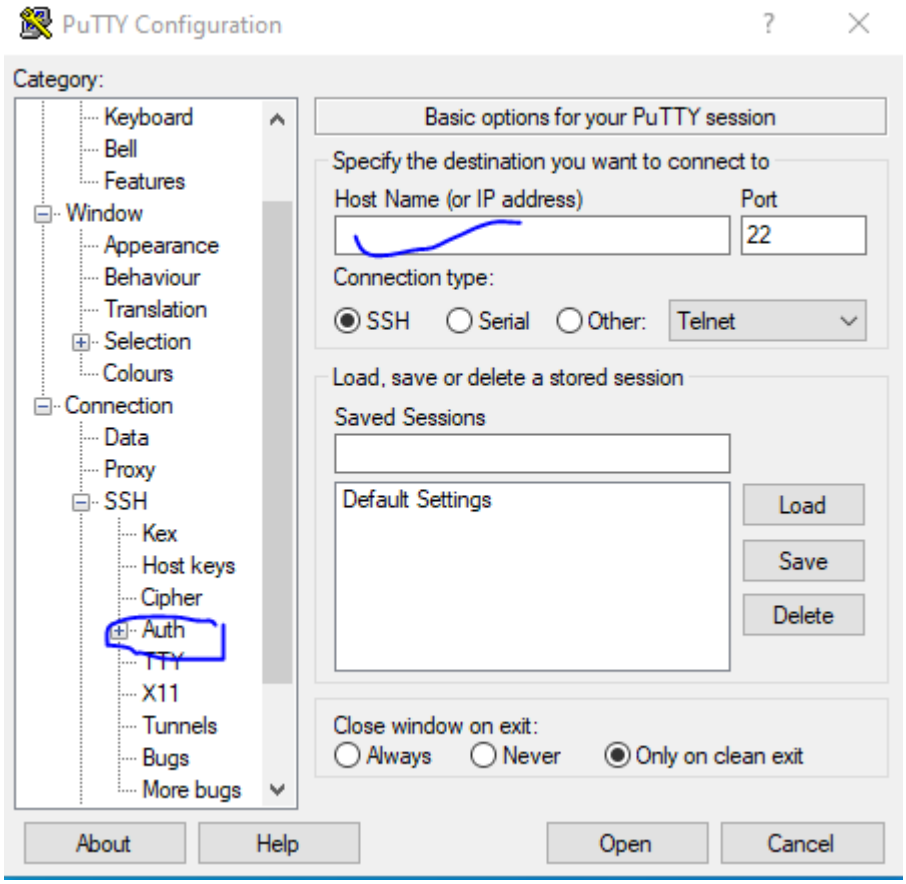

Services
Search for services, features, marketplace products, and docs [Alt+S]
Pooja
Ohio
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-5
Description: launch-wizard-5 created 2021-08-24T16:42:58.411+05:30
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch


Services
Search for services, features, marketplace products, and docs [Alt+S]
Pooja
Ohio
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, launch-wizard-5, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
AMI Details
Edit AMI
Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-00399ec92321828f5
Free tier eligible
Ubuntu Server 20.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root Device Type: ebs Virtualization type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
t2.micro
-
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Cancel
Previous
Launch

PuTTY gen


PuTTY Key Generator
File Key Conversions Help
Key
No key.
Actions
Generate a public/private key pair
Generate
Load an existing private key file
Load
Save the generated key
Save public key
Save private key
Parameters
Type of key to generate:
RSA DSA ECDSA EdDSA SSH-1 (RSA)
Number of bits in a generated key:
2048

PuTTY:


PuTTY Configuration
Category:
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
SSH
Kex
Host keys
Cipher
Auth
X11
Tunnels
Bugs
More bugs
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
22
Connection type:
SSH Serial Other: Telnet
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
Close window on exit:
Always Never Only on clean exit
About
Help
Open
Cancel

1) DockerVM Instance:

login as: ubuntu

Authenticating with public key "imported-openssh-key"

Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-1045-aws x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage

System information as of Tue Aug 24 05:42:51 UTC 2021

System load: 0.0 Processes: 100

Usage of /: 16.4% of 7.69GB Users logged in: 0

Memory usage: 22% IPv4 address for eth0: 172.31.27.167

Swap usage: 0%

1 update can be applied immediately.

To see these additional updates run: apt list --upgradable

The list of available updates is more than a week old.

To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;

the exact distribution terms for each program are described in the

individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

ubuntu@ip-172-31-27-167:~$ sudo -s

root@ip-172-31-27-167:/home/ubuntu# sudo apt update

Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]

Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]

Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]

Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]

Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]

Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]

Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]

Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1170 kB]

Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [252 kB]

Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [13.9 kB]

Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [410 kB]

Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [58.7 kB]

Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [480 B]

Get:17 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [851 kB]

Get:18 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [179 kB]

Get:19 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.6 kB]

Get:20 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [25.0 kB]

Get:21 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [6888 B]

Get:22 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [652 B]

Get:23 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [2568 B]

Get:24 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [1120 B]

Get:25 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [400 B]

Get:26 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c-n-f Metadata [116 B]

Get:27 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [5812 B]

Get:28 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [2068 B]

Get:29 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [288 B]

Get:30 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]

Get:31 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [828 kB]

Get:32 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [161 kB]

Get:33 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [8440 B]

Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [374 kB]

Get:35 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-en [53.6 kB]

Get:36 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [484 B]

Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [640 kB]

Get:38 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [100 kB]

Get:39 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [12.3 kB]

Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [22.3 kB]

Get:41 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-en [5072 B]

Get:42 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f Metadata [568 B]

Fetched 19.8 MB in 4s (5596 kB/s)

Reading package lists... Done

Building dependency tree

Reading state information... Done

103 packages can be upgraded. Run 'apt list --upgradable' to see them.

root@ip-172-31-27-167:/home/ubuntu# sudo apt install docker.io

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

bridge-utils containerd dns-root-data dnsmasq-base libidn11 pigz runc ubuntu-fan

Suggested packages:

ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse | zfsutils

The following NEW packages will be installed:

bridge-utils containerd dns-root-data dnsmasq-base docker.io libidn11 pigz runc ubuntu-fan

0 upgraded, 9 newly installed, 0 to remove and 103 not upgraded.

Need to get 74.4 MB of archives.

After this operation, 360 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]

Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 bridge-utils amd64 1.6-2ubuntu1 [30.5 kB]

Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 runc amd64 1.0.0~rc95-0ubuntu1~20.04.2 [4087 kB]

Get:4 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 containerd amd64 1.5.2-0ubuntu1~20.04.2 [32.9 MB]

Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 dns-root-data all 2019052802 [5300 B]

Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libidn11 amd64 1.33-2.2ubuntu2 [46.2 kB]

Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 dnsmasq-base amd64 2.80-1.1ubuntu1.4 [315 kB]

Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 docker.io amd64 20.10.7-0ubuntu1~20.04.1 [36.9 MB]

Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal/main amd64 ubuntu-fan all 0.12.13 [34.5 kB]

Fetched 74.4 MB in 1s (50.1 MB/s)

Preconfiguring packages ...

Selecting previously unselected package pigz.

(Reading database ... 60149 files and directories currently installed.)

Preparing to unpack .../0-pigz_2.4-1_amd64.deb ...

Unpacking pigz (2.4-1) ...

Selecting previously unselected package bridge-utils.

Preparing to unpack .../1-bridge-utils_1.6-2ubuntu1_amd64.deb ...

Unpacking bridge-utils (1.6-2ubuntu1) ...

Selecting previously unselected package runc.

Preparing to unpack .../2-runc_1.0.0~rc95-0ubuntu1~20.04.2_amd64.deb ...

Unpacking runc (1.0.0~rc95-0ubuntu1~20.04.2) ...

Selecting previously unselected package containerd.

Preparing to unpack .../3-containerd_1.5.2-0ubuntu1~20.04.2_amd64.deb ...

Unpacking containerd (1.5.2-0ubuntu1~20.04.2) ...

Selecting previously unselected package dns-root-data.

Preparing to unpack .../4-dns-root-data_2019052802_all.deb ...

Unpacking dns-root-data (2019052802) ...

Selecting previously unselected package libidn11:amd64.

Preparing to unpack .../5-libidn11_1.33-2.2ubuntu2_amd64.deb ...

Unpacking libidn11:amd64 (1.33-2.2ubuntu2) ...

Selecting previously unselected package dnsmasq-base.

Preparing to unpack .../6-dnsmasq-base_2.80-1.1ubuntu1.4_amd64.deb ...

Unpacking dnsmasq-base (2.80-1.1ubuntu1.4) ...

Selecting previously unselected package docker.io.

Preparing to unpack .../7-docker.io_20.10.7-0ubuntu1~20.04.1_amd64.deb ...

Unpacking docker.io (20.10.7-0ubuntu1~20.04.1) ...

Selecting previously unselected package ubuntu-fan.

Preparing to unpack .../8-ubuntu-fan_0.12.13_all.deb ...

Unpacking ubuntu-fan (0.12.13) ...

Setting up runc (1.0.0~rc95-0ubuntu1~20.04.2) ...

Setting up dns-root-data (2019052802) ...

Setting up libidn11:amd64 (1.33-2.2ubuntu2) ...

Setting up bridge-utils (1.6-2ubuntu1) ...

Setting up pigz (2.4-1) ...

Setting up containerd (1.5.2-0ubuntu1~20.04.2) ...

Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.

Setting up docker.io (20.10.7-0ubuntu1~20.04.1) ...

Adding group `docker' (GID 119) ...

Done.

Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.

Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.

Setting up dnsmasq-base (2.80-1.1ubuntu1.4) ...

Setting up ubuntu-fan (0.12.13) ...

Created symlink /etc/systemd/system/multi-user.target.wants/ubuntu-fan.service → /lib/systemd/system/ubuntu-fan.service.

Processing triggers for systemd (245.4-4ubuntu3.6) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for dbus (1.12.16-2ubuntu2.1) ...

Processing triggers for libc-bin (2.31-0ubuntu9.2) ...

root@ip-172-31-27-167:/home/ubuntu# sudo docker pull ubuntu

Using default tag: latest

latest: Pulling from library/ubuntu

16ec32c2132b: Pull complete

Digest: sha256:82becede498899ec668628e7cb0ad87b6e1c371cb8a1e597d83a47fac21d6af3

Status: Downloaded newer image for ubuntu:latest

docker.io/library/ubuntu:latest

root@ip-172-31-27-167:/home/ubuntu# sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 1318b700e415 4 weeks ago 72.8MB

root@ip-172-31-27-167:/home/ubuntu# sudo docker run -it -d ubuntu

0686b34857eddcbd093436910e58a250cd79f23c539ca9abb685eee4086feaea

root@ip-172-31-27-167:/home/ubuntu# sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

0686b34857ed ubuntu "bash" 20 seconds ago Up 18 seconds priceless_wilbur

root@ip-172-31-27-167:/home/ubuntu# sudo systemctl start docker

root@ip-172-31-27-167:/home/ubuntu# sudo apt-get install -y apt-transport-https ca-certificates curl

Reading package lists... Done

Building dependency tree

Reading state information... Done

ca-certificates is already the newest version (20210119~20.04.1).

ca-certificates set to manually installed.

The following NEW packages will be installed:

apt-transport-https

The following packages will be upgraded:

curl libcurl4

2 upgraded, 1 newly installed, 0 to remove and 101 not upgraded.

Need to get 400 kB of archives.

After this operation, 162 kB of additional disk space will be used.

Get:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 apt-transport-https all 2.0.6 [4680 B]

Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 curl amd64 7.68.0-1ubuntu2.6 [161 kB]

Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 libcurl4 amd64 7.68.0-1ubuntu2.6 [234 kB]

Fetched 400 kB in 0s (15.7 MB/s)

Selecting previously unselected package apt-transport-https.

(Reading database ... 60503 files and directories currently installed.)

Preparing to unpack .../apt-transport-https_2.0.6_all.deb ...

Unpacking apt-transport-https (2.0.6) ...

Preparing to unpack .../curl_7.68.0-1ubuntu2.6_amd64.deb ...

Unpacking curl (7.68.0-1ubuntu2.6) over (7.68.0-1ubuntu2.5) ...

Preparing to unpack .../libcurl4_7.68.0-1ubuntu2.6_amd64.deb ...

Unpacking libcurl4:amd64 (7.68.0-1ubuntu2.6) over (7.68.0-1ubuntu2.5) ...

Setting up apt-transport-https (2.0.6) ...

Setting up libcurl4:amd64 (7.68.0-1ubuntu2.6) ...

Setting up curl (7.68.0-1ubuntu2.6) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for libc-bin (2.31-0ubuntu9.2) ...

root@ip-172-31-27-167:/home/ubuntu#
https://packages.cloud.google.com/apt/doc/apt-key.gpg

bash: https://packages.cloud.google.com/apt/doc/apt-key.gpg: No such file or directory

root@ip-172-31-27-167:/home/ubuntu# sudo apt update

Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]

Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Fetched 328 kB in 0s (838 kB/s)

Reading package lists... Done

Building dependency tree

Reading state information... Done

101 packages can be upgraded. Run 'apt list --upgradable' to see them.

root@ip-172-31-27-167:/home/ubuntu# sudo apt-get install -y kubelet kubeadm kubectl

Reading package lists... Done

Building dependency tree

Reading state information... Done

No apt package "kubeadm", but there is a snap with that name.

Try "snap install kubeadm"

No apt package "kubectl", but there is a snap with that name.

Try "snap install kubectl"

No apt package "kubelet", but there is a snap with that name.

Try "snap install kubelet"

E: Unable to locate package kubelet

E: Unable to locate package kubeadm

E: Unable to locate package kubectl

root@ip-172-31-27-167:/home/ubuntu# snap install kubeadm --classic

kubeadm 1.21.4 from Canonical✓ installed

root@ip-172-31-27-167:/home/ubuntu# snap install kubelet --classic

kubelet 1.21.4 from Canonical✓ installed

root@ip-172-31-27-167:/home/ubuntu# snap install kubectl --classic

kubectl 1.21.4 from Canonical✓ installed

root@ip-172-31-27-167:/home/ubuntu# kubeadm version

kubeadm version: &version.Info{Major:"1", Minor:"21", GitVersion:"v1.21.4", GitCommit:"3cce4a82b44f032d0cd1a1790e6d2f5a55d20aae", GitTreeState:"clean", BuildDate:"2021-08-13T15:59:42Z", GoVersion:"go1.16.6", Compiler:"gc", Platform:"linux/amd64"}

2) KubernetesMaster Instance:

login as: ubuntu

ubuntu@ip-172-31-5-100:~$ sudo su

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt install docker.io

root@ip-172-31-5-100:/home/ubuntu# sudo docker pull ubuntu

root@ip-172-31-5-100:/home/ubuntu# sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 1318b700e415 4 weeks ago 72.8MB

root@ip-172-31-5-100:/home/ubuntu# sudo docker run -it -d ubuntu

d100f881383f7945f458f891e135ff0eac5981f1504dc26fae6cad0bb0dfbe0a

root@ip-172-31-5-100:/home/ubuntu# sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NA MES

d100f881383f ubuntu "bash" 12 seconds ago Up 11 seconds ec static_cori

root@ip-172-31-5-100:/home/ubuntu# sudo systemctl start docker

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y apt-transport-https ca-certificates curl

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y kubelet kubeadm kubectl

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package kubelet

E: Unable to locate package kubeadm

E: Unable to locate package kubectl

root@ip-172-31-5-100:/home/ubuntu# snap install kubeadm --classic

kubeadm 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubelet --classic

kubelet 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubectl --classic

kubectl 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# kubeadm version

kubeadm version: &version.Info{Major:"1", Minor:"21", GitVersion:"v1.21.4", GitCommit:"3cce4a82b44f032d0cd1a1790e6d2f5a55d20aae", GitTreeState:"clean",BuildDate:"2021-08-13T15:59:42Z",GoVersion:"go1.16.6", Compiler:"gc",Platform:"linux/amd64"}

3) KubernetesSlave1 Instance:

login as: ubuntu

ubuntu@ip-172-31-5-100:~$ sudo su

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt install docker.io

root@ip-172-31-5-100:/home/ubuntu# sudo docker pull ubuntu

root@ip-172-31-5-100:/home/ubuntu# sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 1318b700e415 4 weeks ago 72.8MB

root@ip-172-31-5-100:/home/ubuntu# sudo docker run -it -d ubuntu

d100f881383f7945f458f891e135ff0eac5981f1504dc26fae6cad0bb0dfbe0a

root@ip-172-31-5-100:/home/ubuntu# sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NA MES

d100f881383f ubuntu "bash" 12 seconds ago Up 11 seconds ec static_cori

root@ip-172-31-5-100:/home/ubuntu# sudo systemctl start docker

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y apt-transport-https ca-certificates curl

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y kubelet kubeadm kubectl

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package kubelet

E: Unable to locate package kubeadm

E: Unable to locate package kubectl

root@ip-172-31-5-100:/home/ubuntu# snap install kubeadm --classic

kubeadm 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubelet --classic

kubelet 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubectl --classic

kubectl 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# kubeadm version

kubeadm version: &version.Info{Major:"1", Minor:"21", GitVersion:"v1.21.4", GitCommit:"3cce4a82b44f032d0cd1a1790e6d2f5a55d20aae",

GitTreeState:"clean",BuildDate:"2021-08-13T15:59:42Z",GoVersion:"go1.16.6", Compiler:"gc",Platform:"linux/amd64"}

4) KubernetesSlave2 Instance:

login as: ubuntu

ubuntu@ip-172-31-5-100:~$ sudo su

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt install docker.io

root@ip-172-31-5-100:/home/ubuntu# sudo docker pull ubuntu

root@ip-172-31-5-100:/home/ubuntu# sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 1318b700e415 4 weeks ago 72.8MB

root@ip-172-31-5-100:/home/ubuntu# sudo docker run -it -d ubuntu

d100f881383f7945f458f891e135ff0eac5981f1504dc26fae6cad0bb0dfbe0a

root@ip-172-31-5-100:/home/ubuntu# sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NA MES

d100f881383f ubuntu "bash" 12 seconds ago Up 11 seconds ec static_cori

root@ip-172-31-5-100:/home/ubuntu# sudo systemctl start docker

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y apt-transport-https ca-certificates curl

root@ip-172-31-5-100:/home/ubuntu# sudo apt update

root@ip-172-31-5-100:/home/ubuntu# sudo apt-get install -y kubelet kubeadm kubectl

Reading package lists... Done

Building dependency tree

Reading state information... Done

E: Unable to locate package kubelet

E: Unable to locate package kubeadm

E: Unable to locate package kubectl

root@ip-172-31-5-100:/home/ubuntu# snap install kubeadm --classic

kubeadm 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubelet --classic

kubelet 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# snap install kubectl --classic

kubectl 1.21.4 from Canonical✓ installed

root@ip-172-31-5-100:/home/ubuntu# kubeadm version

kubeadm version: &version.Info{Major:"1", Minor:"21", GitVersion:"v1.21.4", GitCommit:"3cce4a82b44f032d0cd1a1790e6d2f5a55d20aae", GitTreeState:"clean",BuildDate:"2021-08-13T15:59:42Z",GoVersion:"go1.16.6", Compiler:"gc",Platform:"linux/amd64"}

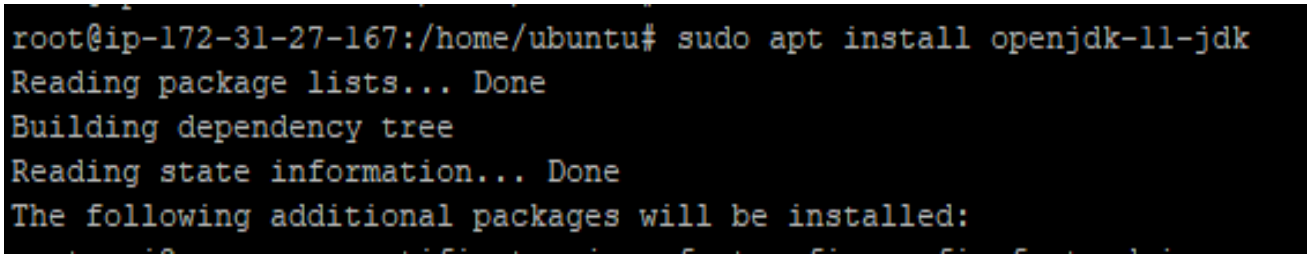
Jenkins :

Installing Java on Ubuntu:

If a root user : sudo apt install openjdk-11-jdk

If NOT A root user : apt install openjdk-11-jdk

Java –version : checking version of java



Adding Jenkins Repository :

```
wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-
key add -sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > \
/etc/apt/sources.list.d/jenkins.list'
```

sudo apt-get update

```
root@ip-172-31-27-167:/home/ubuntu# sudo apt-get update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Ign:5 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1170 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [851 kB]
Get:10 https://pkg.jenkins.io/debian-stable binary/ Packages [20.4 kB]
Fetched 2371 kB in 1s (2864 kB/s)
Reading package lists... Done
```

sudo apt-get install jenkins

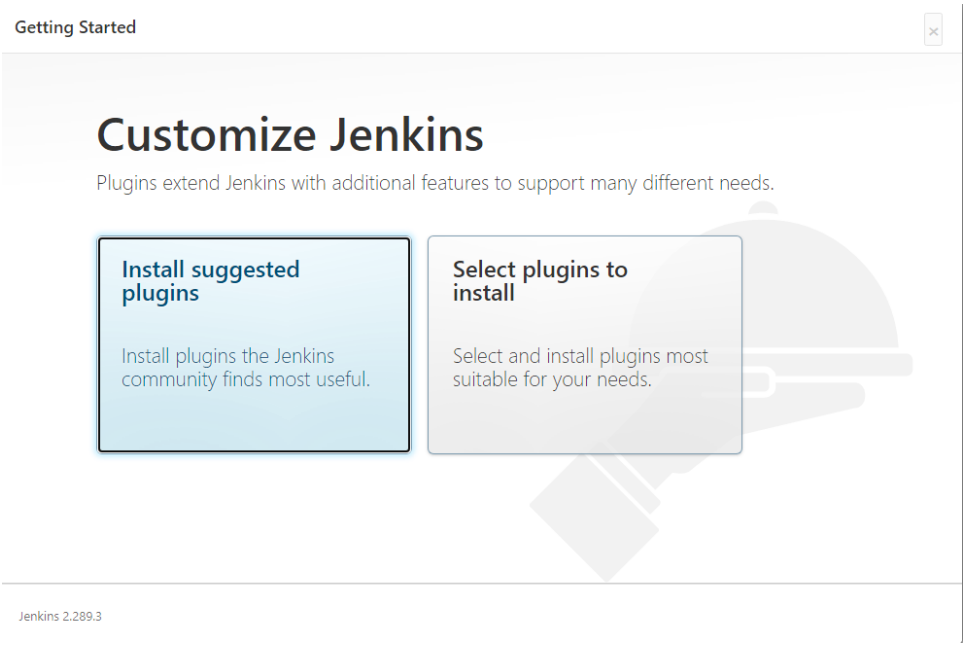
```
root@ip-172-31-27-167:/home/ubuntu# sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  daemon net-tools
The following NEW packages will be installed:
  daemon jenkins net-tools
0 upgraded, 3 newly installed, 0 to remove and 100 not upgraded.
Need to get 71.9 MB of archives.
After this operation, 75.4 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

Now in browser paste the copied (public Ipv4 address of the Instance) colon 8080

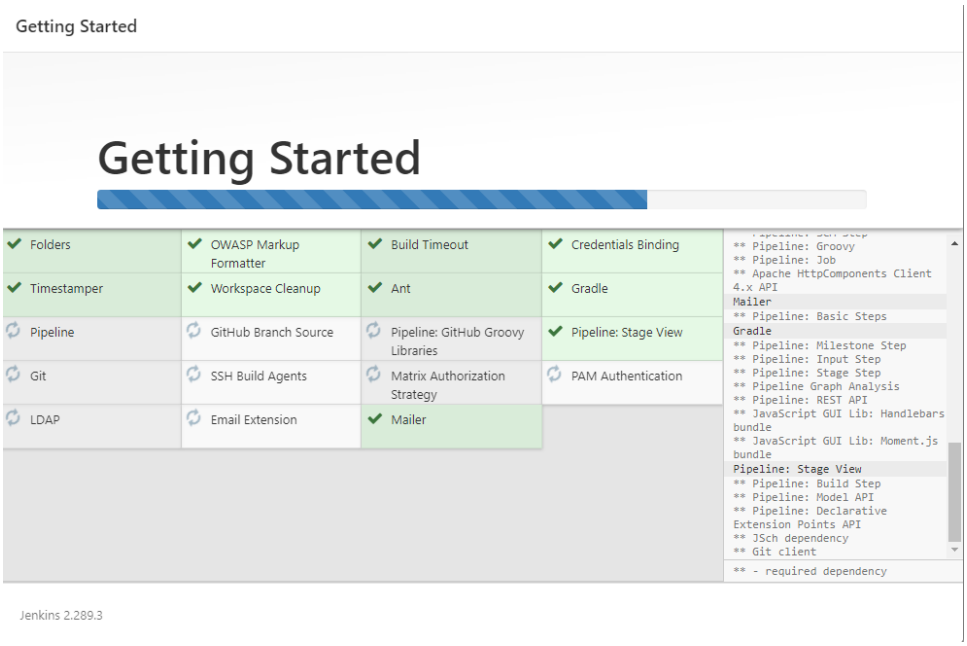
Ex: 18.117.221.213 : 8080

Now run the command

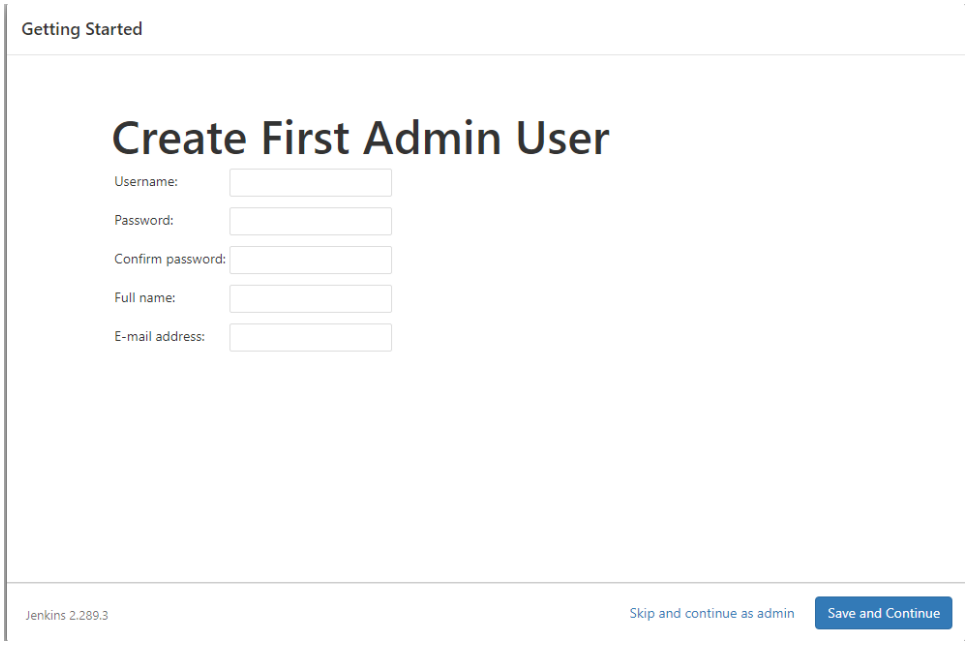
Cat `/var/lib/jenkins/secrets/initialAdminPassword` in command prompt, you will get password.....paste it in adminstrator password...



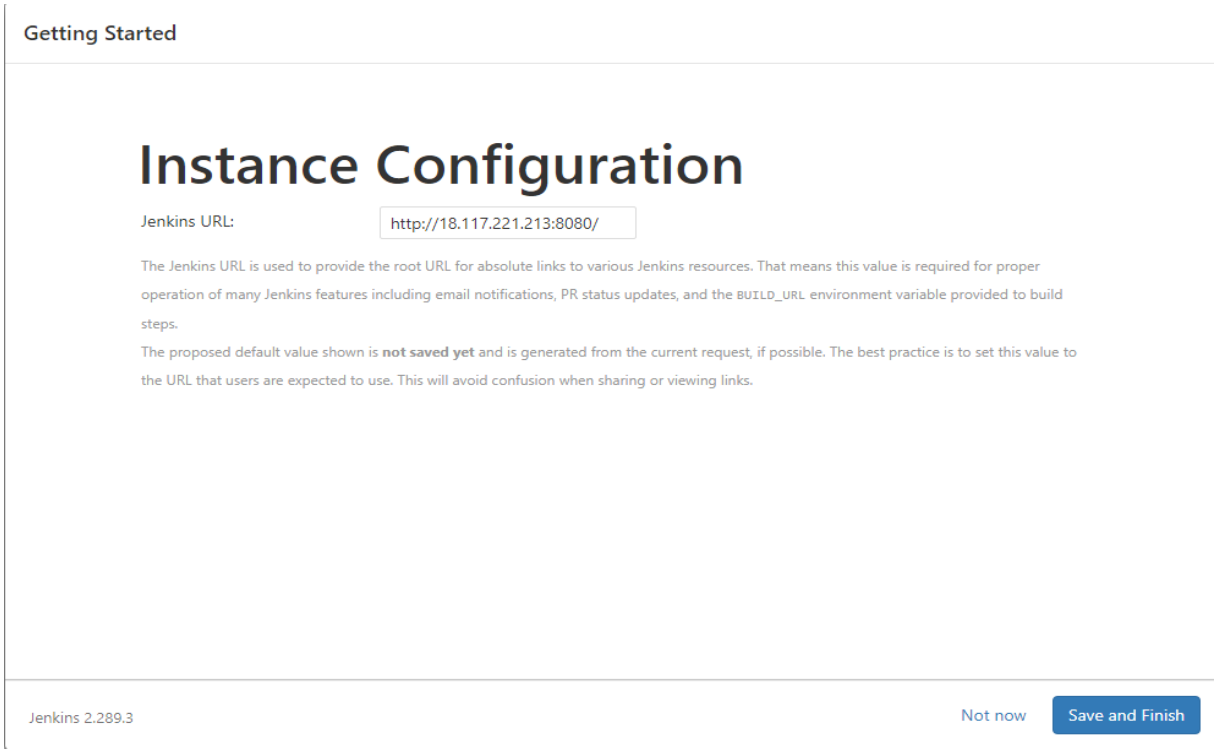
and next install suggested plugins.....



You will now have to set username, password and email.....



You will get jenkins URL : http://18.117.221.213:8080/



Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

Jenkins 2.289.3