# Module 3: Docker Part 1 Assignment - 1

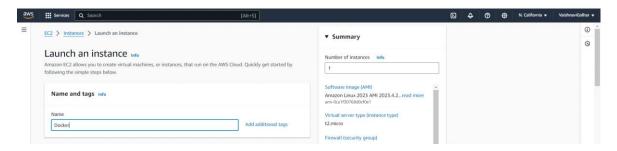
### Tasks To Be Performed:

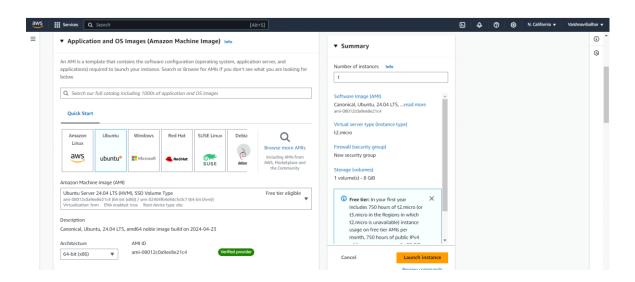
- 1. Pull Ubuntu container
- 2. Run this container and map port 80 on the local
- 3. Install Apache2 on this container
- 4. Check if you are able to access the Apache page on your browser

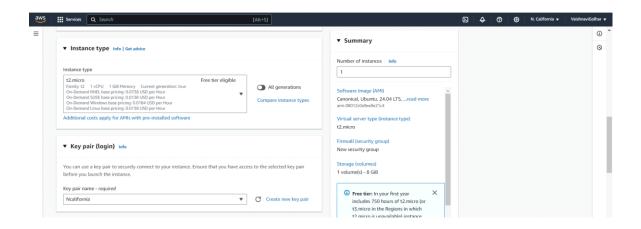
#### Solution:

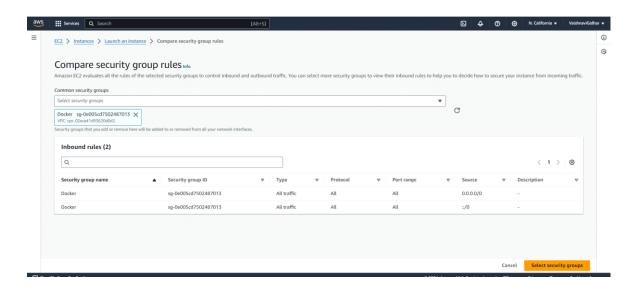
### Step 1: Pull Ubuntu Container

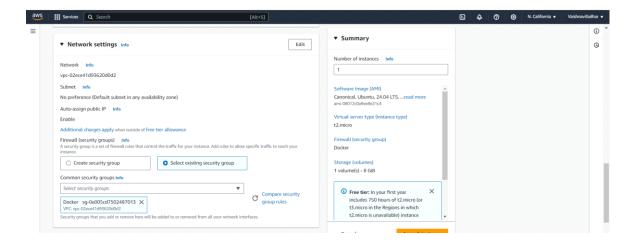
First, make sure Docker is installed on your EC2 instance. You can install Docker by following these steps:

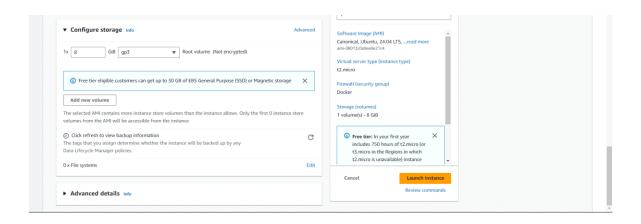












```
ubuntu@ip-172-31-5-28:\$ docker --version

Docker version 24.0.7, build 24.0.7-Oubuntu4

ubuntu@ip-172-31-5-28:\$ sudo docker pull ubuntu

Using default tag: latest

latest: Pulling from library/ubuntu

Oddf79a470c4: Pull complete

Digest: sha256:e3f92abc0967a6c19d0dfa2d55838833e947b9d74edbcb0113e48535ad4be12a

Status: Downloaded newer image for ubuntu:latest

docker.io/library/ubuntu:latest

ubuntu@ip-172-31-5-28:\$

i-Oa47ba3926927531d (Docker)

PublicPs:54.67.104.198 PrivatePs:172.31.5.28
```

2. Run this container and map port 80 on the local

```
## Services Q. Search (Alt+5)

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abountualig-172-31-5-28-s sudo docker images

BEROSITORY 7A6 MAGE ID CERATED SIZE

abountual latest 1/coll50300f 2 weeks ago 76.296

abountualig-172-31-5-28-s sudo docker run -itd -p 80.80 ubountu

c184478ed5-services/100300f 2 weeks ago 76.296

abountualig-172-31-5-28-s sudo docker ps

CONVAINER ID MAGE COMMAND CERATED STATUS PORTS

c184478ed5-se ubountu "/bin/hashi" 40 seconds ago Up 38 seconds 0.00.0180->80/tcp, :::80->80/tcp umruffled_kalam

bunutualig-172-31-5-28-s-3 wood docker exec -it c2183428ed5-bash ocker exec -it c2183428ed5-ser/is gpt--get update

Set:1 http://security.ubountu.com/ubountu noble-security/min and64 Packages [126 k8]

Set:2 http://security.ubountu.com/ubountu noble-security/min and64 Packages [18 k8]

Set:6 http://security.ubountu.com/ubountu noble-security/restricted am664 Packages [30.3 k8]

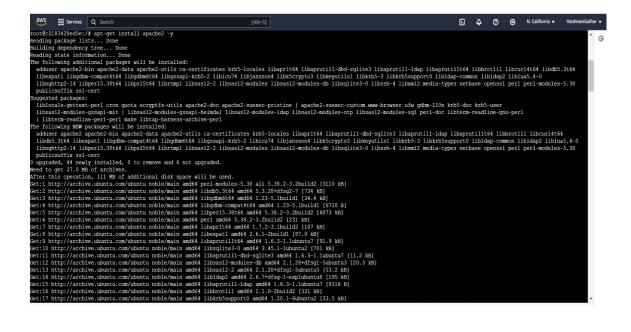
Set:1 http://security.ubountu.com/ubountu noble-security/restricted am664 Packages [31.8 k8]

Set:10 http://archive.ubountu.com/ubountu noble-sepatass/minterse am664 Packages [31.8 k8]

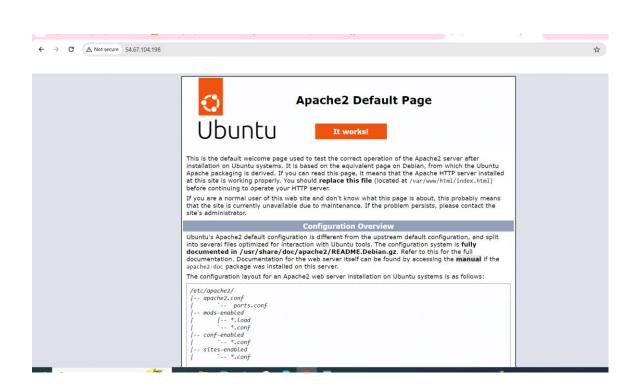
Set:10 http://archive.ubountu.com/ubountu noble-updatess/minterse am664 Packages [31.8 k8]

Set:11 http://archive.ub
```

## 3. Install Apache2 on this container



### 4. Check if you are able to access the Apache page on your browser



```
root@c2183428ed5e:/# exit
exit
ubuntu@ip-172-31-5-28:~$
```

```
ubuntu@ip-172-31-5-28:~$ history

1 sudo apt update
2 sudo apt install docker.io -y
3 docker --version
4 sudo docker pull ubuntu
5 clear
6 sudo docker images
7 sudo docker run -itd -p 80:80 ubuntu
8 sudo docker ps
9 sudo docker exec -it c2183428ed5e bash
10 history
ubuntu@ip-172-31-5-28:~$
```

#### **COMMANDS**

- 1 sudo apt update
- 2 sudo apt install docker.io -y
- 3 docker --version
- 4 sudo docker pull ubuntu
- 5 clear
- 6 sudo docker images
- 7 sudo docker run -itd -p 80:80 ubuntu
- 8 sudo docker ps
- 9 sudo docker exec -it c2183428ed5e bash
- 10 history
- 1 apt-get update
  - 2 apt-get install apache2 -y
  - 3 service apache2 status

- 4 service apache2 start
- 5 service apache2 status
- 6 exit