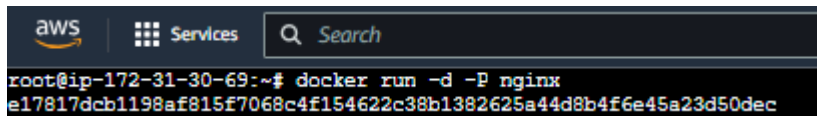


CDEC B-24

Name : kunal vijay Chavhan

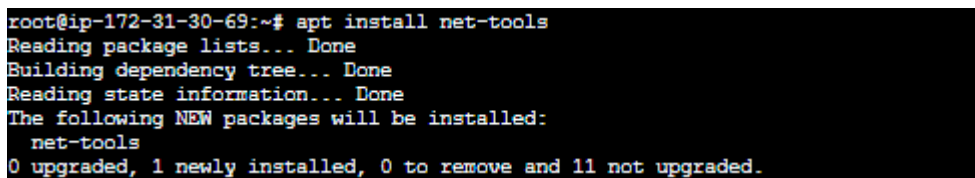
Task : Hosting Nginx Using docker Bridge

1. sudo -i
2. docker run -d -P nginx



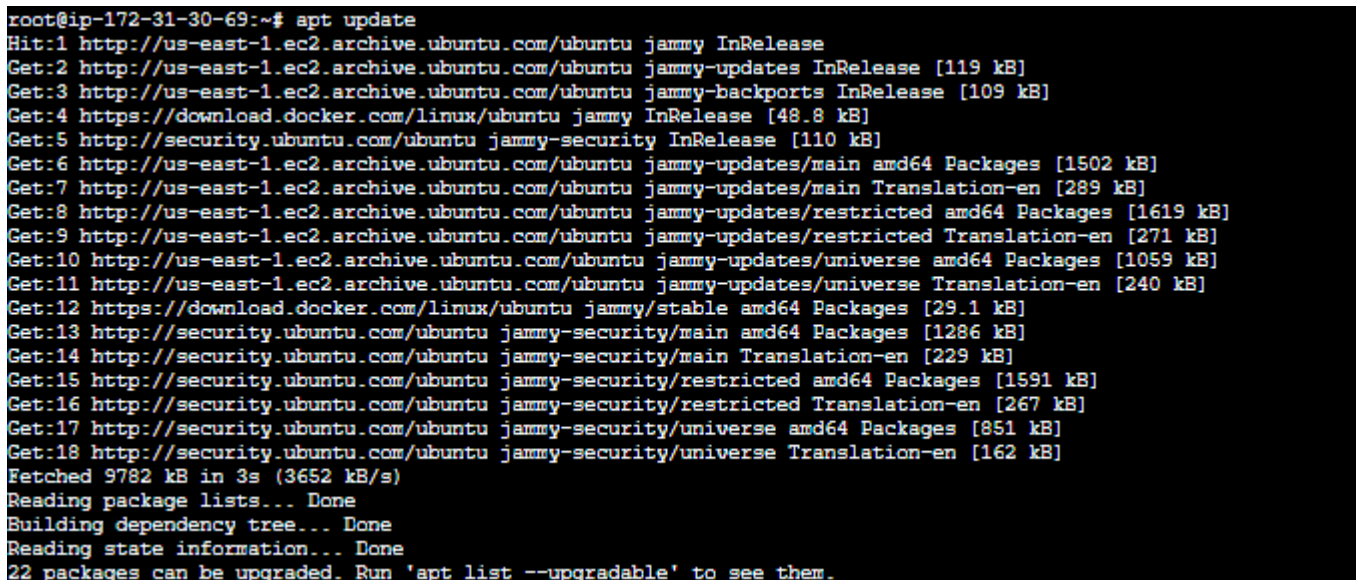
```
aws Services Search
root@ip-172-31-30-69:~# docker run -d -P nginx
e17817dcb1198af815f7068c4f154622c38b1382625a44d8b4f6e45a23d50dec
```

3. apt install net-tools



```
root@ip-172-31-30-69:~# apt install net-tools
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 11 not upgraded.
```

4. apt install update



```
root@ip-172-31-30-69:~# apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 https://download.docker.com/linux/ubuntu jammy InRelease [48.8 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1502 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [289 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1619 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [271 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1059 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [240 kB]
Get:12 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [29.1 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1286 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [229 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1591 kB]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [267 kB]
Get:17 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [851 kB]
Get:18 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [162 kB]
Fetched 9782 kB in 3s (3652 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
22 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

5. docker network create --subnet "192.168.0.0/16" --driver bridge newnet

```
root@ip-172-31-30-69:~# docker network create --subnet "192.168.0.0/16" --driver bridge newnet
9c1654fb5f02242103a9152ff2da2c00bc3485f0b20c0f4bd09936d206fb2382
```

6. docker run -d -P --network newnet nginx

```
root@ip-172-31-30-69:~# docker run -d -P --network newnet nginx
250b4282a193f35ec186374591a09f6ce350fa7fc9bf1bfec30790febb70a073
```

7. docker ps

```
root@ip-172-31-30-69:~# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
250b4282a193	nginx	"/docker-entrypoint..."	14 seconds ago	Up 12 seconds	0.0.0.0:32770->80/tcp, :::32770->80/tcp	awesome_tu
e17817dcb119	nginx	"/docker-entrypoint..."	6 minutes ago	Up 6 minutes	0.0.0.0:32769->80/tcp, :::32769->80/tcp	elegant_yonath

8. docker inspect 83e |grep "IP"

```
root@ip-172-31-30-69:~# docker inspect 250 |grep "IP"
    "LinkLocalIPv6Address": "",
    "LinkLocalIPv6PrefixLen": 0,
    "SecondaryIPAddresses": null,
    "SecondaryIPv6Addresses": null,
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "IPAddress": "",
    "IPPrefixLen": 0,
    "IPv6Gateway": "",
    "IPAMConfig": null,
    "IPAddress": "192.168.0.2",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
```

9. Hit the ip in web browser with default port number <http://54.210.179.165:32770/>



Not secure 54.210.179.165:32770



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.