

Name = Akshay choudhay

Batch = 24

Task = Hosting nginx using docker bridge nginx & wordpress

Step 1.using this command

Sudo -i

Docker run -d -p nginx

apt install net-tools

sudo apt update

Docker network create --subnet :192.168.0.0./16" --driver bridge newnet

```
c05464c102a2 none null local
root@ip-172-31-1-99:~#
root@ip-172-31-1-99:~# docker network create --subnet "192.168.0.0/16" --driver bridge newnet
602a5c8fff5f9bbeafe4aa65d51ed5086f5cd4d80ce34d81a794bc25425a8b6
root@ip-172-31-1-99:~# network ls
network: command not found
root@ip-172-31-1-99:~# docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
15754f0ee4fc        bridge              bridge              local
1a1d858926d1        host                host                local
602a5c8fff5f        newnet              bridge              local
c05464c102a2        none                null                local
```

Docker run -d -p --network newet nginx

```

root@ip-172-31-1-99:~# docker run -d -P --network newnet nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
8a1e25ce7c4f: Pull complete
e78b137be355: Pull complete
39fc875bd2b2: Pull complete
035788421403: Pull complete
87c3fb37cbf2: Pull complete
c5cdd1ce752d: Pull complete
33952c599532: Pull complete
Digest: sha256:6db391d1c0cfb30588ba0bf72ea999404f2764febf0f1f196acd5867ac7efa7e
Status: Downloaded newer image for nginx:latest
2736ca8b779f094479fdd6ac2f814b15bb29ea3617512c1d266486e9545c8e66

```

Docker ps

```

root@ip-172-31-1-99:~# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED      STATUS      PORTS                  NAMES
2736ca8b779f   nginx    "/docker-entrypoint..." 24 seconds ago    Up 23 seconds    0.0.0.0:32768->80/tcp, :::32768->80/tcp    gallant_cori
root@ip-172-31-1-99:~# docker inspect 273 | grep "IP"
root@ip-172-31-1-99:~# docker run inspect 273 | grep "IP"
Unable to find image 'inspect:latest' locally

```

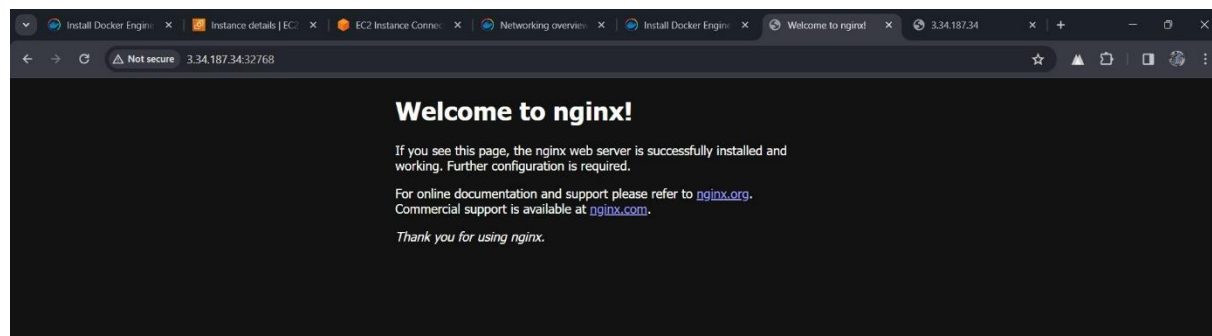
Docker inspect 273 | grep "IP"

```

root@ip-172-31-1-99:~# docker inspect 273 | 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,
root@ip-172-31-1-99:~# docker run -d -P --network newnet wordpress

```

Hit the ip in web with default port number



2) Docker run -d -p --network newet wordpress

```

root@ip-172-31-1-99:~# docker run -d -P --network newnet wordpress
Unable to find image 'wordpress:latest' locally
latest: Pulling from library/wordpress
8a1e25ce7c4f: Already exists
5de14226e170: Pull complete
d5aaf617d1d2: Pull complete
d3ba065e262f: Pull complete

```

- Docker ps

```
root@ip-172-31-1-99:~# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAMES
8f462f06798a   wordpress  "docker-entrypoint.s..." 6 seconds ago  Up 4 seconds  0.0.0.0:32769->80/tcp, :::32769->80/tcp  unruffled_burnell
2736ca8b779f   nginx      "/docker-entrypoint...." 3 minutes ago  Up 3 minutes  0.0.0.0:32768->80/tcp, :::32768->80/tcp  gallant_cori
```

- root@ip-172-31-1-99:~# docker stop 273
- root@ip-172-31-1-99:~# docker stop 8f4

- Out put on screen on ip hit on google url [http:// 3.34.187.34:332769](http://3.34.187.34:332769)

