

## CDEC B24

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Hosting Nginx Using docker Bridge

Step 1. Using this command

-sudo -l

-docker run -d -P nginx

```
root@ip-172-31-26-198:~# docker run -d -P 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: sha256:6db391dlc0cfb30588ba0bf72ea999404f2764febf0f1f196acd5867ac7efa7e
Status: Downloaded newer image for nginx:latest
97cf7a92c7ffe5f80ba560140f206ddb945eb13ebb80516945640b8bf1fb86a9
root@ip-172-31-26-198:~# 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
```

-apt install net-tools

```
root@ip-172-31-26-198:~# 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 19 not upgraded.
Need to get 204 kB of archives.
After this operation, 819 kB of additional disk space will be used.
Get:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 net-tools amd64 1.60+git20181103.0eebece-1ubuntu5 [204 kB]
Fetched 204 kB in 0s (6031 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 65540 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20181103.0eebece-1ubuntu5_amd64.deb ...
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
```

## -sudo apt update

```
root@ip-172-31-26-198:~# sudo apt update
Hit:1 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:3 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
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-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1502 kB]
Get:7 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [289 kB]
Get:8 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1619 kB]
Get:9 http://us-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [271 kB]
Get:10 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [28.6 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1285 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [229 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1591 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [267 kB]
Fetched 7359 kB in 3s (2660 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```

```
i-0add7b605252d967d (Docker2.0)
```

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

```
root@ip-172-31-26-198:~# docker network create --subnet "192.168.0.0/16" --driver bridge newnet
ca72f3c9b9ba30cea668928f52692e11f2916f300425087861215da85bf1cd11
```

## -docker run -d -P --network newnet nginx

```
root@ip-172-31-26-198:~# docker run -d -P --network newnet nginx
83e91d6a824bdeaf96931a2d8160e8b676ce988a7b88e0ce2c9e4f65bcb2bc81
```

## -docker ps

```
root@ip-172-31-26-198:~# docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
83e91d6a824b	nginx	"/docker-entrypoint..."	7 seconds ago	Up 6 seconds	0.0.0.0:32769->80/tcp, :::32769->80/tcp	suspicious_lewin
97cf7a92c7ff	nginx	"/docker-entrypoint..."	2 minutes ago	Up 2 minutes	0.0.0.0:32768->80/tcp, :::32768->80/tcp	objective_kapitsa

-docker inspect 83e | grep "IP"

```
root@ip-172-31-26-198:~# docker inspect 83e | 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-172-31-26-198:~#
```

Hit the ip in web with default port number

-http://54.177.233.216:32769/

