

DOCKER COMPOSE

1)

The address are names instead of ip addresses in the https response because we are not using static ip address(haven't configured static ip in docker-compose.yaml) so the docker-compose itself will assign a unique name to the containers connected in the network and the name will be configured in docker's DNS. So it is enough to use the network name provided by docker.

As the port numbers are considered we can configure and expose the port number of "App1" as it is exposed to the end user and its port number is mapped to 8081 of the host port number in docker compose. For the "App2" we don't need to configure or expose the port number as while running both the containers will be in the same network and doesn't need any external configuration and can be accessed with its original port number(8088) .

2)

```
prabu@prabu-ROG-Strix-G513QM: /mnt/F2B61552B61518A5/studies/devops/exe2$ sudo docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
df4cdfd3b592        bridge              bridge              local
d0cf7c57f4b5        exe2_backend        bridge              local
7eb3e3780519        exe2_default        bridge              local
447bc10ce793        exe2_my-shared-network bridge              local
9dc9426cf352        host                host                local
a680b583ae93        none                null                local
prabu@prabu-ROG-Strix-G513QM: /mnt/F2B61552B61518A5/studies/devops/exe2$

prabu@prabu-ROG-Strix-G513QM: /mnt/F2B61552B61518A5/studies/devops/exe2$ sudo docker container ls
CONTAINER ID        IMAGE               COMMAND              CREATED      STATUS      PORTS                               NAMES
bf35ad2952cd        exe2-app1          "go run ./src/main.go" 12 hours ago Up 12 hours 0.0.0.0:8081->8080/tcp, :::8081->8080/tcp exe2-app1-1
11d9a67d756c        exe2-app2          "go run ./src/main.go" 12 hours ago Up 12 hours 8088/tcp                               exe2-app2-1
prabu@prabu-ROG-Strix-G513QM: /mnt/F2B61552B61518A5/studies/devops/exe2$
```