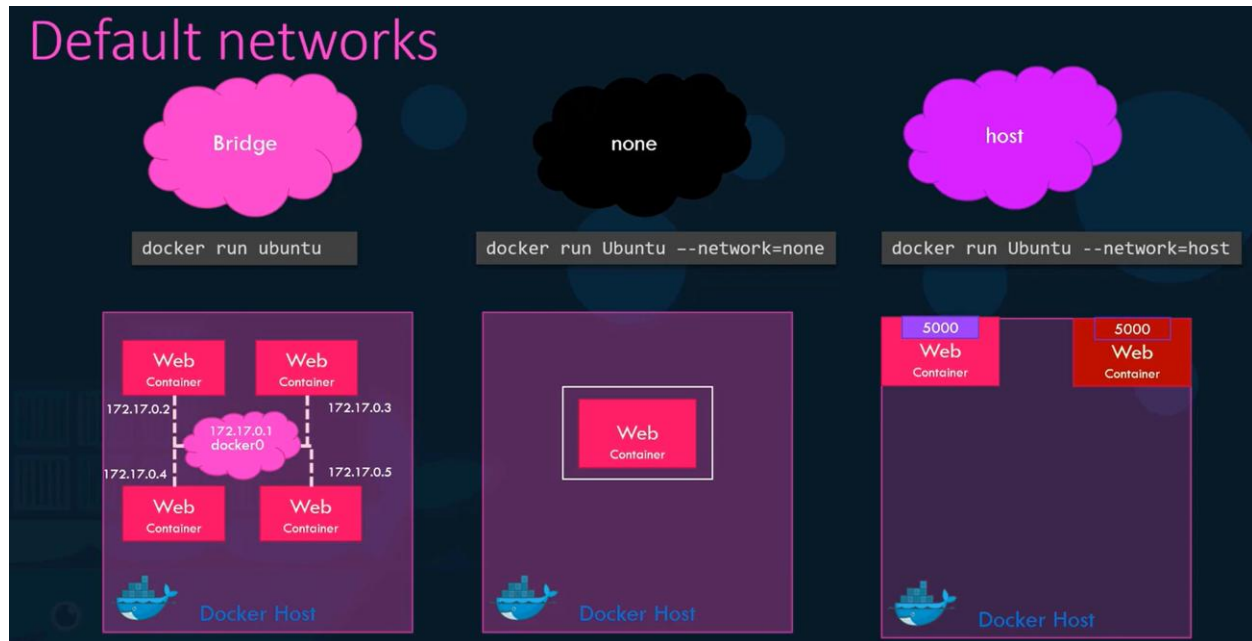
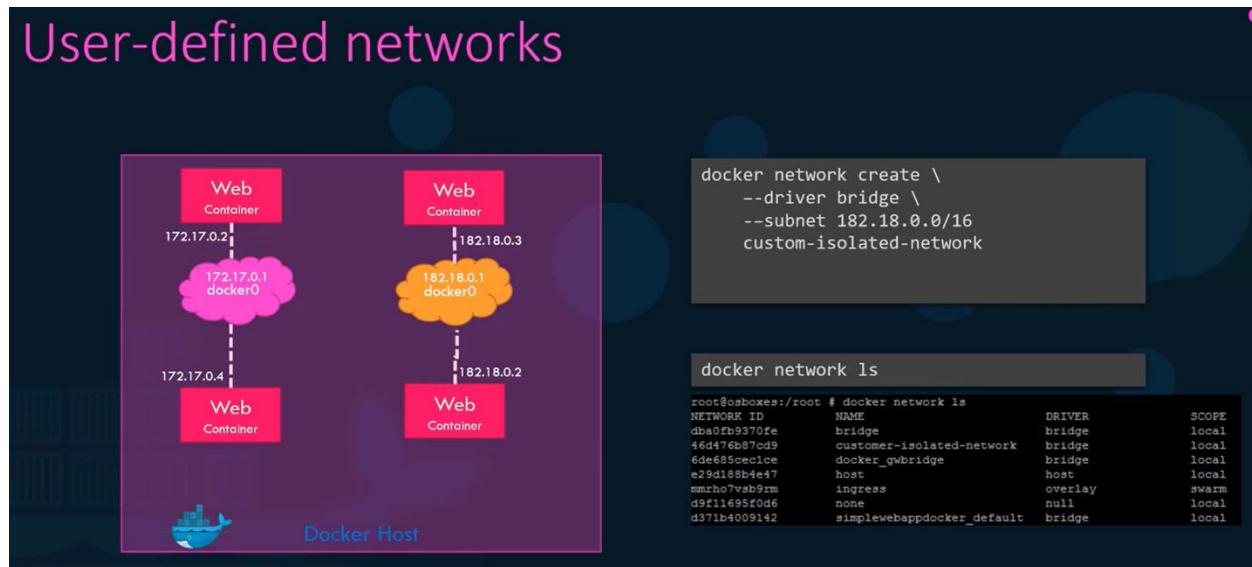


Docker Network

Default networks



User-defined networks



Network: List

```
docker network ls
```

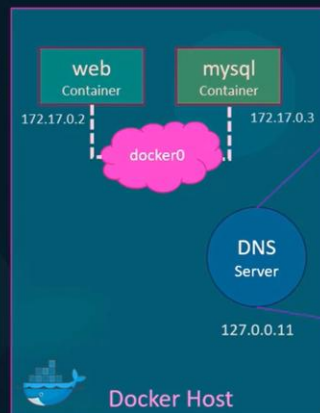
NETWORK ID	NAME	DRIVER	SCOPE
599dcaf4e856	bridge	bridge	local
c817f1bca596	host	host	local
e6508d3404a3	none	null	local

```
docker network inspect 599dcaf4e856
```

```
[
  {
    "Name": "bridge",
    "Id": "599dcaf4e85684c8c3a111baa52b7530f097853b96485a8a3ffcd9088b20f0cb",
    "Created": "2020-01-20T18:10:46.896056535Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": null,
      "Config": [
        {
          "Subnet": "172.17.0.0/16",
          "Gateway": "172.17.0.1"
        }
      ]
    }
  }
]
```

Embedded DNS

```
mysql.connect( mysql )
```



Host	IP
web	172.17.0.2
mysql	172.17.0.3

Custom Network

```
▶ docker network connect custom-net my-container
```

```
▶ docker network disconnect custom-net my-container
```

```
▶ docker network rm custom-net
```

```
▶ docker network prune
```

```
WARNING! This will remove all networks not used by at least one container.  
Are you sure you want to continue? [y/N] y  
Deleted Networks:  
custom-net
```

Lab: Create 2 centos:7 container and ping one from another

```
#docker container run -itd --name=first centos:7  
#docker container run -itd --name=second centos:7  
#docker exec -it first ping second  
#docker exec -it second ping first
```

```
#docker network create --driver=bridge --subnet=192.168.10.0/24 rajivnetwork  
#docker network ls  
#docker network inspect 2a5c5433f6ff  
#docker container run -itd --name=cust-1 --net=rajivnetwork centos:7  
#docker container run -itd --name=cust-2 --net=rajivnetwork centos:7  
#docker ps  
#docker exec -it cust-1 ping cust-2
```

```
#docker exec -it cust-1 ping first           =ping from cust-1 to first  
#docker network connect rajivnetwork first   =add first container to rajivnetwork  
#docker exec -it cust-1 ping first           =ping from cust-1 to first  
#docker network disconnect rajivnetwork first =disconnect first container  
#docker exec -it cust-1 ping first  
#docker network rm rajivnetwork  
#docker network inspect rajivnetwork  
#docker container ls -a  
#docker container ls  
#docker container ls -q  
#docker container rm $(docker container ls -q)  
#docker container stop $(docker container ls -q)  
#docker container ls -q  
#docker container ls -aq  
#docker container rm $(docker container ls -aq)  
#docker container ls -a  
#docker container ls -a  
#docker container rm $(docker container ls -aq)  
#docker container ls -aq  
#docker container ls -a  
#docker network rm rajivnetwork  
#docker network ls
```

```
#docker network prune      = delete all custom create network
#
```