Working with user-defined bridge network

1 Create a user-defined bridge network

```
$ docker network create --driver bridge
my-bridge
```

2 List out networks on host

```
$ docker network ls
```

3 Inspect user-defined network

```
$ docker network inspect my-bridge
```

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4 Create n/w with advance n/w options

```
$  docker network create --driver
bridge \
  --subnet=172.30.0.0/16 \
  --ip-range=172.30.1.0/24 \
  --gateway=172.30.1.254 \
  --label=trial-bridge \
  --opt
com.docker.network.driver.mtu=9000 \
  your-bridge
```

5 List out networks on host

```
$ docker network ls
```

6 Inspect user-defined network

```
$ docker network inspect your-bridge
```

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7 Run a container and connect it to user-defined network

```
$ docker run -id --name busybox-2 --network your-bridge busybox
```

8 Inspect the Container

```
$ docker inspect busbybox-2
```

9 Connect a running container to n/w

```
$ docker network connect your-bridge busybox-1
```

10 Inspect the Container

```
$ docker inspect busbybox-1
```

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11 Disconnect container from user n/w

```
$ docker network disconnect your-bridge
busybox-1
```

12 Inspect the Container

```
$ docker inspect busbybox-1
```

13 Disconnect container from bridge n/w

```
$ docker network disconnect bridge
busybox-1
```

14 Inspect the Container

```
$ docker inspect busbybox-1
```

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15 Run a container and connect it only to user-defined network

```
$ docker run -id --name busybox-3 --network your-bridge busybox
```

16 Disconnect container from bridge n/w

```
$ docker network disconnect bridge busybox-3
```

17 Execute shell in busybox-3 Container

```
$ docker exec -it busbybox-3 sh

  ping busybox-2

  ping busybox-1

  exit
```

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