# Docker-Networking

One of the reasons Docker containers and services are so powerful is that you can connect them together

Docker-Networking allows containers can communicate with other containers and also with the Docker Host.

## **Network drivers**

* bridge: The default network driver. If you don’t specify a driver, this is the type of network you are creating. **Bridge networks are usually used when your applications run in standalone containers that need to communicate.** See [bridge networks](https://docs.docker.com/network/bridge/).
* host: For standalone containers, remove network isolation between the container and the Docker host, and use the host’s networking directly. host is only available for swarm services on Docker 17.06 and higher. See [use the host network](https://docs.docker.com/network/host/).
* none: For this container, disable all networking. Usually used in conjunction with a custom network driver. none is not available for swarm services. See [disable container networking](https://docs.docker.com/network/none/).

## **Listing All Docker Networks**

This command can be used to list all the networks associated with Docker on the host.

### **Syntax**

docker network ls

### **Example**

docker network ls

## **Inspecting a Docker network**

If you want to see more details on the network associated with Docker, you can use the Docker **network inspect** command.

### **Syntax**

docker network inspect networkname

### **Options**

* **networkname** − This is the name of the network you need to inspect.

### **Example**

docker network inspect bridge

## **Creating Your Own New Network**

One can create a network in Docker before launching containers. This can be done with the following command −

### **Syntax**

docker network create –-driver drivername name

### **Options**

* **drivername** − This is the name used for the network driver.
* **name** − This is the name given to the network.

### **Example**

docker network create –-driver bridge new\_nw

Docker-Network Commands

|  |  |
| --- | --- |
|  |  |
| docker network ls | Listing All Docker Networks |
| docker network inspect networkname(bridge/host/none) | Inspecting a Docker network  List all the containers attached to the Network. |
| network create --driver drivername name  **drivername** − This is the name used for the network driver.  **name** − This is the name given to the network. | Create your own network |
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