

Docker Networking

Linux Firewall

- Docker makes use of the Linux Kernel's built-in firewall NETFILTER.

Exploring a Container

```
docker run -dit -p 8080:80 php:apache
```

```
iptables -nL "DOCKER"  
#output  
target prot opt source destination  
ACCEPT tcp -- 0.0.0.0/0 172.17.0.2 tcp dpt:80
```

dpt means destination port. So docker is applying a local, non-routable on the Internet, IP Address to our running container.

```
curl http://172.17.0.2
```

Docker Networking Model

```
curl http://172.17.0.1  
curl http://127.0.0.1:8080
```

The output will be the HTML response from the web server. Docker's internal routing is seamlessly forwarding traffic.