Python in Containers Course Materials

Section 2. "Containers Networking"

```
Commands:
```

```
$ docker network ls
$ docker run --rm -it --network none alpine
# ifconfig
# ip addr show
# ip route
# ping -c 3 8.8.8.8
# exit
$ docker run --rm -it --network host alpine
# ifconfig
# exit
$ docker network create new-net
$ docker network ls
$ docker network rm new-net
$ docker ps --filter network=new-net
$ docker network create --subnet 10.10.0.0/16 my-addr
$ docker run --rm -it --name alpine1 --network my-addr alpine
# ifconfig
$ docker run --rm -it --name alpine2 alpine
# ifconfig
$ docker network connect my-addr alpine2
# ifconfig
```

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```
# ping -c 3 alpine1
```

\$ docker network disconnect my-addr alpine2

```
# ping -c 2 alpine1
```

- # ifconfig
- # exit
- \$ docker network create --internal int-net
- \$ docker run -dit --name int1 --network int-net alpine
- \$ docker run --rm -it -name int2 --network int-net alpine
- # ping -c 3 int1
- # ping -c 3 8.8.8.8