

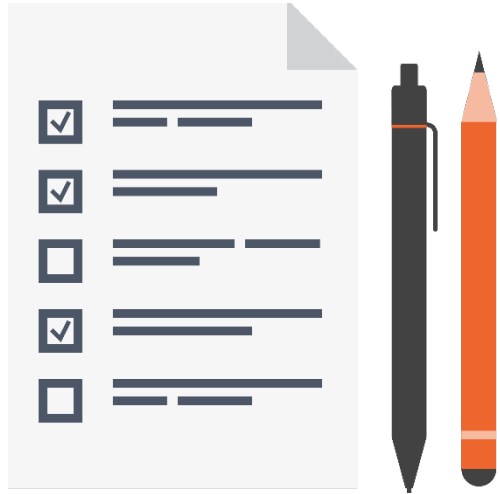
Container Management



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Module Outline

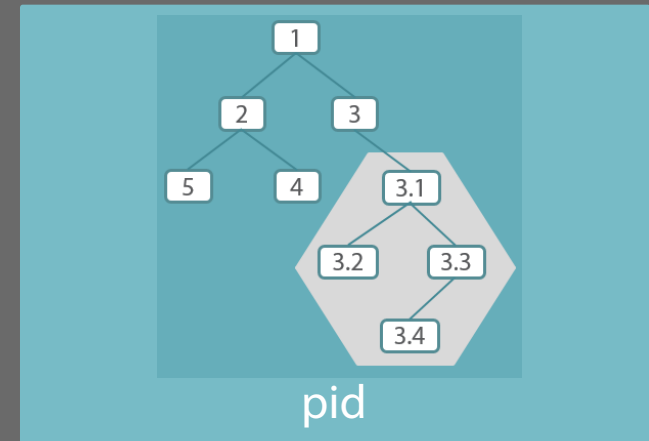
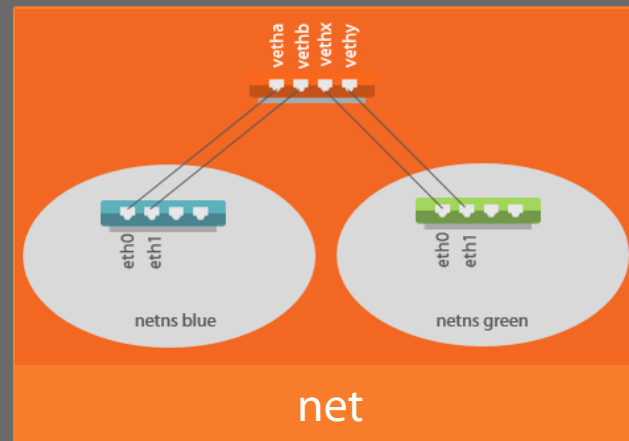
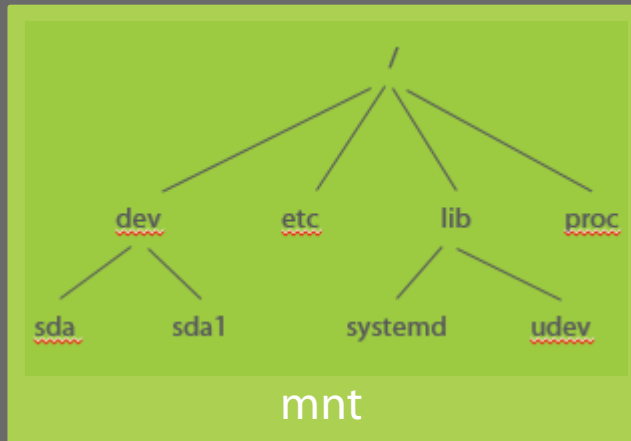


Container Management

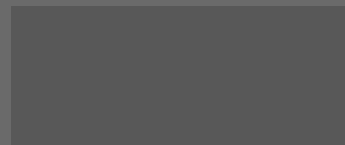
Container Config

Look Inside Running Containers

Different Ways to Get Shell Access



start | stop | restart



PID 1 = `docker run...`
`<command>`



(not designed as init processes)

Container

PID 1 = `init`

Linux Server

`init` is a bit *special*
(it manages and takes care of other processes)

“One process per Container”

We ***can*** run multiple processes per Container

“One process per Container”

- One concern per container
- Lean
- Simple!

We ***can*** run multiple processes per Container

docker attach

- Attaches to **PID 1** inside the container
- In the real world, **PID 1** inside a container will probably not be a shell

ssh

- Most containers won't be running an SSH server

nsenter

- Allows us to enter Namespaces
- Requires the containers PID
(get from “docker inspect”)

Module Recap



docker start



docker stop

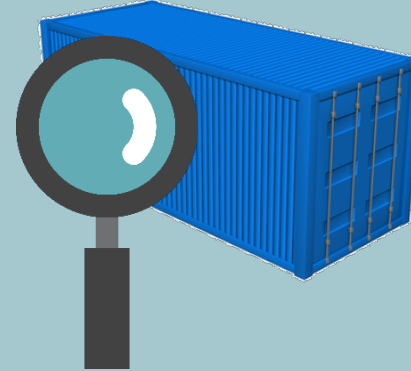


docker restart

Stop | Start | Restart



Removing
Containers



Looking Inside
Containers

```
"State": {  
  "Error": "",  
  "ExitCode": 0,  
  "FinishedAt": "2014-1",  
  "OOMKilled": false,  
  "Paused": false,  
  "Pid": 1923,  
  "Restarting": false,  
  "Running": true,  
  "StartedAt": "2015-01"
```

"docker inspect"