Module 07: Managing Containers
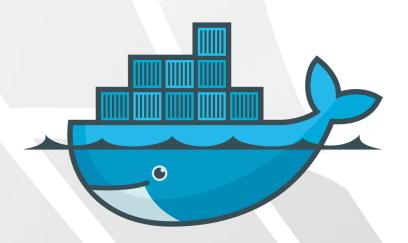
Docker Workshop

Agenda

- $ docker stop

- $ docker kill

- $ docker start

- $ docker restart

- $ docker info

- $ docker top

- $ docker history

- $docker inspect

- $ docker logs

$ docker stop

```
$ docker stop <container-id>
```

🔸 Terminate the container PID1 process and make sure that all other processes on the system are cleaned up as gracefully as possible

$ docker kill

```
$ docker kill <container-id>
```

* Kill the container PID1 process

$ docker start

```
$ docker start <container-id>
```

- Start a container

$ docker restart

```
$ docker restart <container-id>
```

★ Restart a container

$ docker info

```
$ docker info
```

★ Display system-wide information

★ The number of images shown is the number of unique images. The same image tagged under different names is counted only once

$ docker top

```
$ docker top <container-id>
```

- Display the running processes of a container

- Note it shows the view of processes and PIDs from outside the container (from our docker host, within the wider namespace of the docker host process tree)

- If we want to see the PIDs inside the container we can jump into the container and check (docker attach + ps -ef)

$ docker history

```
$ docker history <id>
```

- Show the history of an image

- When using the --format option, the history command will either output the data exactly as the template declares or, when using the table directive, will include column headers as well.

$ docker inspect

```
$ docker inspect <container-id>
```

★ Return low-level information on Docker objects

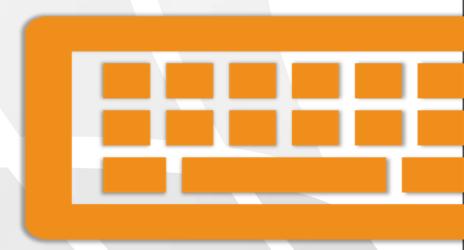★ By default, docker inspect will render results in a JSON array.

$ docker logs

```
$ docker logs <container-id>
```

★ Fetch the logs of a container (output)

★ The docker logs --follow command will continue streaming the new output from the container's STDOUT and STDERR

★ The docker logs --details command will add on extra attributes, such as environment variables and labels, provided to --log-opt when creating the container.

Lab 06: Managing Containers

Lab

https://gitlab.com/sela-docker-workshop/lab-06

Questions

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