Docker Containers Essentials

Basic Command line- Pulling and running a container

`Docker pull <image_name>`

`Docker run <image_name>`

- Retrieves an image (layered Image) from a remote **repository.** Images are composed of layers

- Layers are applied to create the container's filesystem

- Pulls image from Default or custom Repo (if not already pulled)

- Executes a process in a new layer on top of image

- Layer is Copy-On-Write (COW)

#init6

Docker Containers Essentials
Basic Command line- Running a Container

`Docker run <image_name> [Options]`

Foreground blocking [No Option]

Foreground interactive:

- `[-i]` Keep STDIN open even if not attached

- `[-t]` Allocate a pseudo-tty

Background Options (detached)

- `[-d]` Run container in background and print container ID

`Docker ps [Options]`

No Option: only Active Containers

`[-a]` All Containers even the paused or exited state

#init6