Docker CLI

- Quick Commands

Quick Commands

Show running container

```
docker ps
```

Run new container

(Also pulls the corresponding image)

```
docker run -d -t -p <portondockerhost>:<portinsidedockercontainer> --name <containername>
<containerimagename>:<containerimageversion>
```

Docker arguments

Argument	Meaning	Impact	Example
-i	interactive	Returns output directly to prompt from Docker	docker run -i hello-world
-d	detached	The container is executed in the background	docker run -d hello-world
-p	port	Can pass a port from the host to container (hostport:containerport)	docker run -p 80:80 hello-world
-v	volume mapping	Can mount an external directory	docker run -v /opt/datadir:/var/lib/mysql hello-world
-e	environment variable	This dash can be used to pass variables to the container	docker run -e NEW=1 hello-world

Download specific container image

```
docker pull <imagenamefromdockerhub>:<imageversion>
```

Power options for container

Stop container

```
docker stop <containername/containerid>
```

Start container

```
docker start <containername/containerid>
```

Restart Container

```
docker restart <containername/containerid>
```

Show statistics

```
docker stats
```

Delete all stopped container

```
docker system prune
```

Show container details

```
docker inspect <containername/containerid>
```

Return specific ip address of container

```
docker inspect -f '{{range.NetworkSettings.Networks}}{{.IPAddress}}{{end}}'
<containername/containerid>
```

Show container logs

```
docker logs <containername/containerid>
```

Return logs live to console

```
docker logs --follow <containername/containerid>
```

Update container restart behavior

```
docker update --restart unless-stopped <containername/containerid>
```