

# 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>
```

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