

Docker CheatSheet



Docker is a containerization technology that uses OS-level virtualization to package data science applications. It is an open-source project for automating the deployment of applications as portable, self-sufficient containers that can run on the cloud or on-premises.

pull

Pull an image from the Docker Hub

```
$ docker pull <image-name>
```

push

Push an image to a registry.

```
$ docker push <image-name>
```

image

Display the list of all the downloaded images.

```
$ docker images
```

run

Run a container from an image.

```
$ docker run <options> <image-name>
```

Run a container from the "python" image and map port 80 on the host machine to port 80 on the container.

```
$ docker run -p 80:80 python
```

ps

Display a list of all the running containers.

```
$ docker ps
```

start

Restart a previously stopped container.

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

stop

Stop a running container.

```
$ docker stop <container_id>
```

rmi

Remove a specific image.

```
$ docker rmi <image-id>
```

rm

Remove a stopped container.

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

logs

Display logs for debugging the containers.

```
$ docker logs
```

exec

Run a command inside a running container.

```
$ docker exec -it <container-id> /bin/bash
```

version

Check the version of docker installed in your working environment.

```
$ docker version
```

build

Build an image from a Dockerfile.

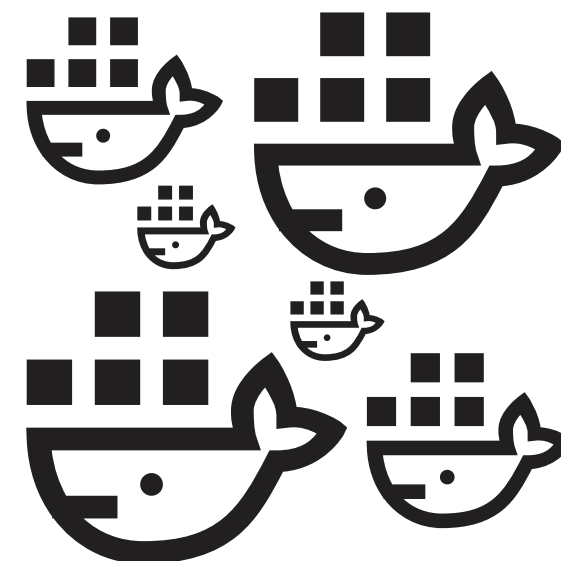
- The **-t** flag specifies the name of the image.
- The **.** at the end specifies the build context, which is the current directory.

```
$ docker build -t <image-name> .
```

info

Display more granular information on the system-wide installation of Docker.

```
$ docker info
```



[Learn more on kdnuggets.com](https://kdnuggets.com)