

Docker



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22/11/2018
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What is Docker ?

Docker are containers that allow packaging applications or snippets of codes, on a file system complete, containing everything that is required for execution.

Features

.Light:

OS kernel sharing and more use memory and Ram memory.

. Open (Open Source):

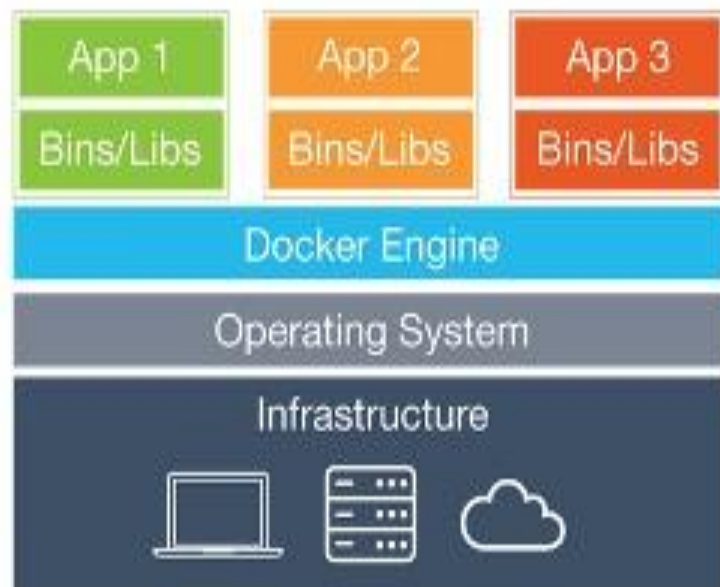
- System available in major distributions:
Linux, Mac OS, and windows.

.Safe:

- The containers isolate the applications, one of the and its infrastructure, with a layer additional protection



Virtual Machines



Containers

What Docker Can Do For Your Business

The Docker Enterprise container platform delivers immediate value to your business by reducing the infrastructure and maintenance costs of supporting your existing application portfolio while accelerating your time to market for new solutions.



Faster Time to
Market



Developer
Productivity



Deployment Velocity

DockerFile

It consists of the set of instructions that describes steps to building an image Docker:

- Which base image used for the new container
- What next steps to take to install various dependencies and applications
- Which files needed to be displayed on the image, and how they will be made available in the
- Which doors will be exposed
- What command should be run when a container in your startup

Docker-compose

Compose is a tool for defining and running multi-container Docker applications. With Compose, you use a YAML file to configure your application's services. Then, with a single command, you create and start all the services from your configuration.

Construct the image

To construct the image, it is only necessary to be with the file

DockerFILE in the directory:

```
-docker build -t name / nameOfImage: version
```


Docker Hub

Dev-test pipeline automation, 100,000+ free apps, public and private registries

New to Docker?

Create your free Docker ID to get started.

- ☐ * I agree to Docker's [Terms of Service](#).
- ☐ * I agree to Docker's [Privacy Policy and Data Processing Terms](#).
- ☐ I would like to receive email updates from Docker, including its various services and products

Sign Up

Sending Image to Repository

```
$docker commit <ID container>  
    docker.io/nameOfUser/nameOfImage
```

```
$docker login
```

```
$docker push docker.io/nameOfUser/nameOfImage
```