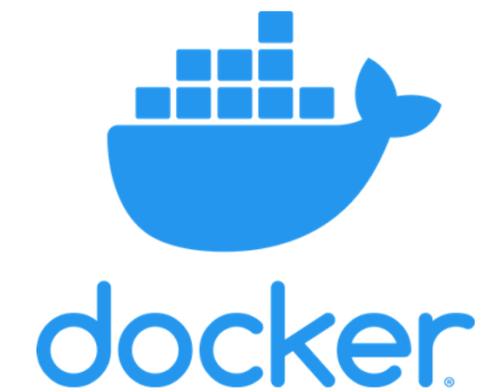




# Docker Deep Dive

## Chapter #2

### Installing





# Docker

## INSTALLING



### WINDOWS

Docker on Windows



### LINUX

Docker on Linux



### CLOUD

Docker on AWS Cloud platform



## DOCKER FOR WINDOWS

Installer from Docker Inc. that spins up a single-engine Docker environment on a 64-bit Windows 10 desktop or laptop.

## COMMUNITY EDITION

Though capable, not recommended for production use.

## FEATURE LAG

Docker Inc. take stability first, features second. So might not get all features.

# Docker on Windows



Pre-requisites. Docker for Windows requires:

- Windows 10 Pro | Enterprise | Education (1511 November update, Build 10586 or later)
- Must be 64-bit
- The Hyper-V and Containers features must be enabled in Windows
- Hardware virtualization support must be enabled in your system's BIOS

Visit this link to download the installer.

<https://hub.docker.com/editions/community/docker-ce-desktop-windows>



## DOCKER FOR LINUX

Installation is very simple. Doesn't matter if its a physical Linux server, virtual, on cloud or in different galaxy.

## COMMUNITY EDITION

Free and we will use this for our training.

## ENTERPRISE EDITION

Comes with commercial support, access to docker trust registry.

# Docker on Linux



Installing docker on Linux is a very easy task and it makes absolutely no difference if your Linux machine is a physical server, on the other side of the planet in a public cloud, or a VM on your laptop.

Only requirement is that the machine be running Linux & can access <https://get.docker.com>.

You can also use the `wget` command to call a shell script that installs Docker CE. You should ensure that your system is up-to-date with the latest packages and security patches before continuing.

1. Open a new shell on your Linux machine.
2. Use `wget` to retrieve and run the Docker install script from <https://get.docker.com> & pipe it through your shell -

```
# wget -qO- https://get.docker.com/ | sh
```



Once docker is installed, you can use:

```
# docker --version
```

```
# docker info
```

To get more information about your docker host and docker application.



## DOCKER ON AWS

You need access to AWS console. Can sign up with "free tier" account.

## EC2 INSTANCE WITH DOCKER

Select the AMI that has docker in its repository.

## SSH INTO THE EC2 INSTANCE

Once instance is ready. SSH into it to proceed to next chapter.

# Docker on Cloud



## WHAT WE LEARNED

You know how to install docker and now ready to learn about images and containers.