

Docker JumpStart

Setting Up Your Environment

Agenda

- Introduction to Docker Desktop
- Installing Docker Desktop
- Docker Desktop Settings
- Switching Between Linux and Windows
- Getting Started with Docker Commands
- Docker and VS Code



Introduction to Docker Desktop

Introduction to Docker Desktop

Docker Desktop for Mac

- Uses a lightweight OS X virtualization solution called HyperKit

Docker Desktop for Windows

- Uses Hyper-V for virtualization

Both use Alpine Linux by default as the underlying VM

<https://www.docker.com/products/docker-desktop>



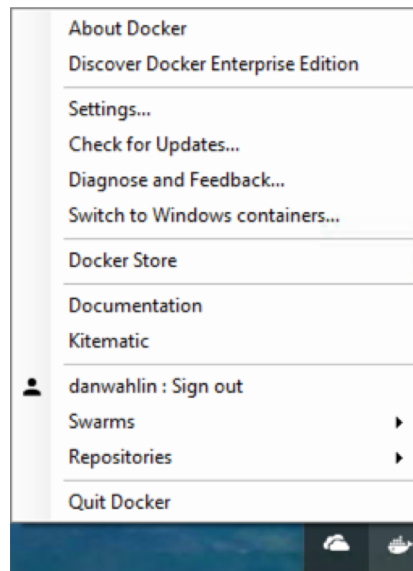
Installing Docker Desktop

Docker Desktop Settings

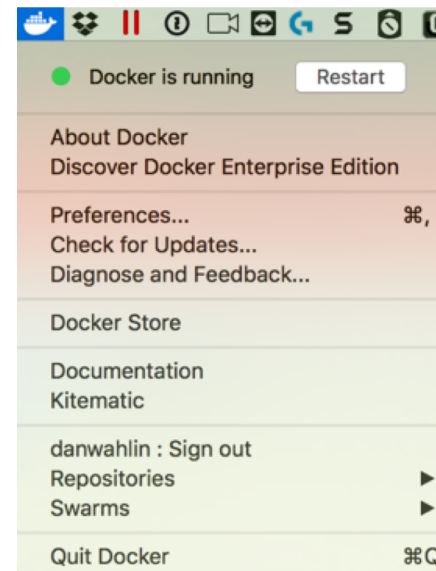
Accessing Docker Desktop Settings

Once installed an icon will appear letting you know Docker Desktop is running:

Windows



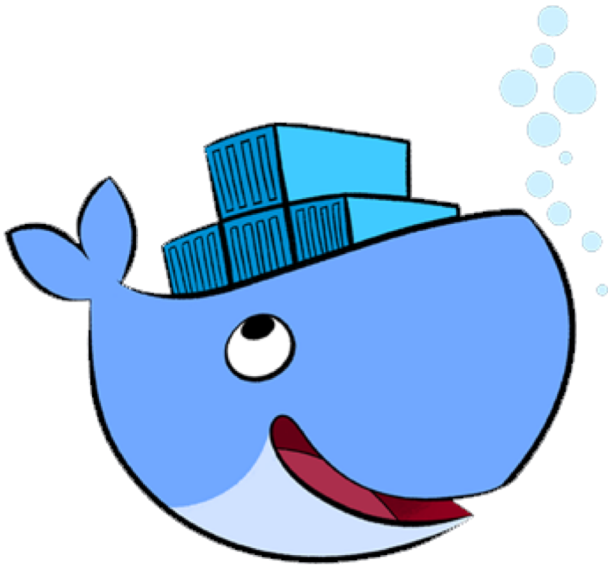
Mac



Switching Between Linux and Windows

Getting Started with Docker Commands

Key Docker Container Commands



`docker build [image name]`

`docker rmi [imageId]`

`docker ps`

`docker run [image name]`

`docker stop [containerId]`

`docker start [containerId]`

`docker rm [containerId]`

Docker and VS Code

Summary

- Docker Desktop provides a simple way to run Docker on Windows or Mac
- Supports customizing CPUs and amount of memory used
- Support for Linux and Windows containers (on Windows 10+)
- Docker extension for VS Code simplifies building, tagging, and running images/containers



Lab

Installing and Exploring Docker

<https://cloudskills.io/labs>

