Using Docker on AWS

DOCKER ON AWS: GETTING STARTED



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Overview



This module:

Install Docker

Configure and launch container

Dockerfiles

Docker Hub

Overview



Coming Modules:

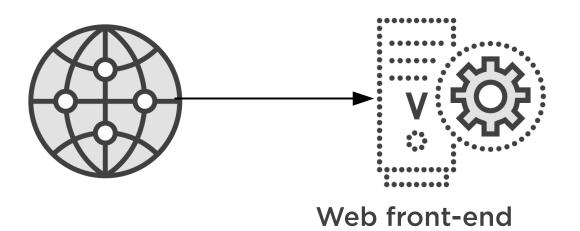
Elastic Container Service (ECS)

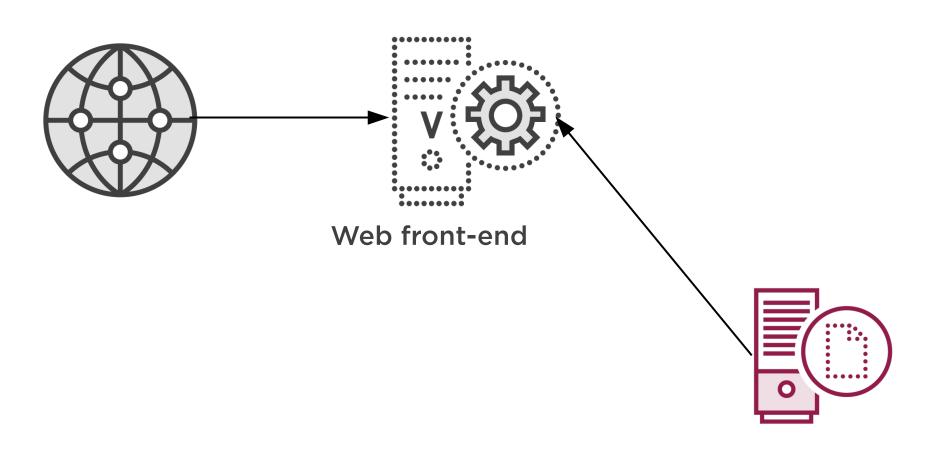
ECS: EC2 Launch Type

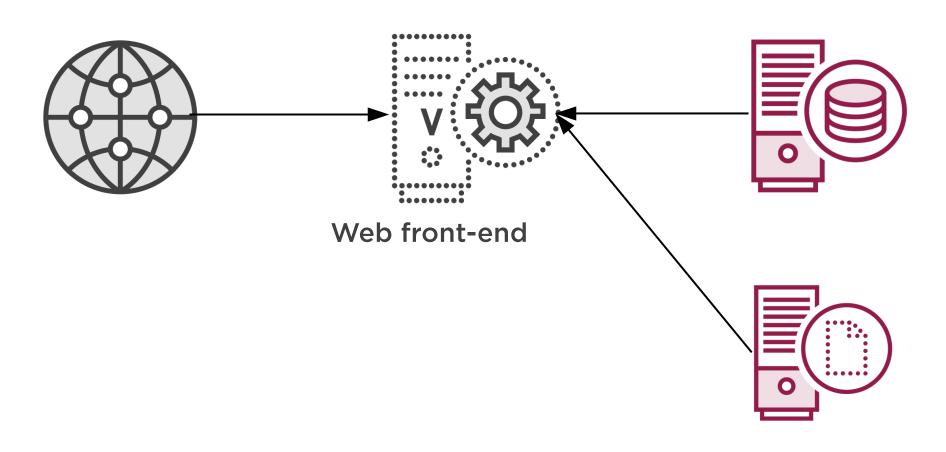
ECS: Fargate Launch Type

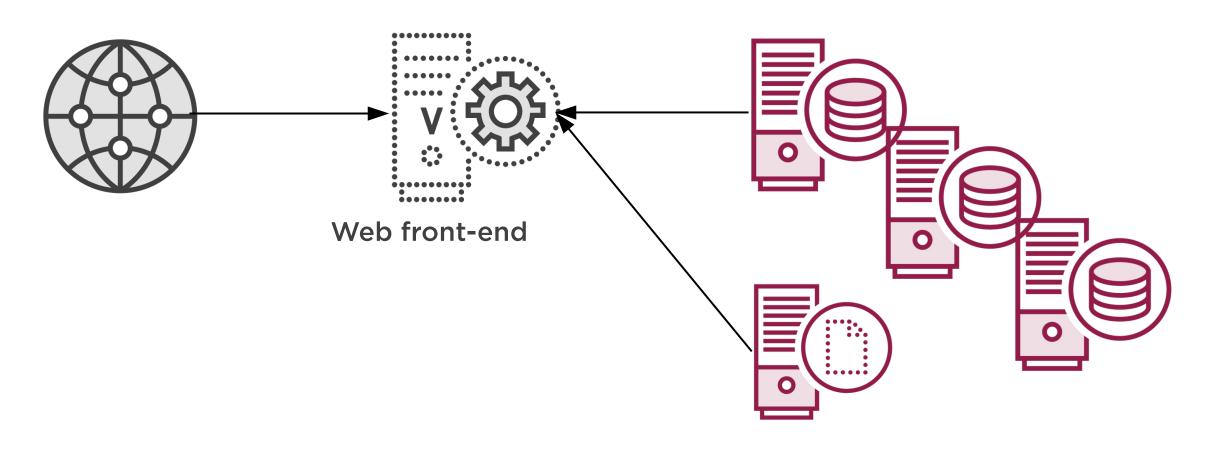
EKS: Elastic Container Service for Kubernetes

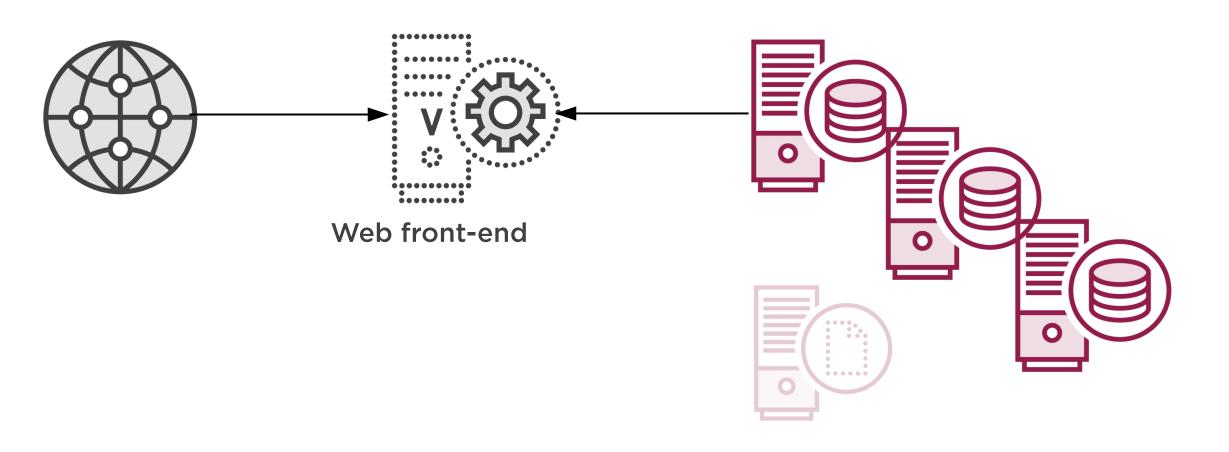
ECR: Elastic Container Registry

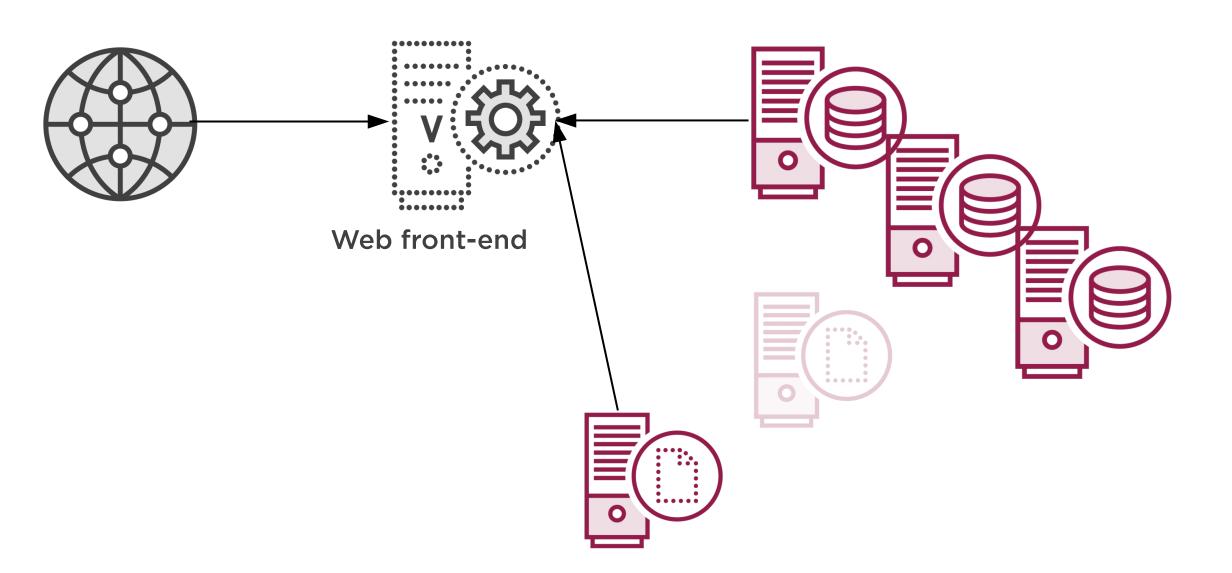












Lab Setup Information:

https://bootstrap-it.com/docker4aws

Container Virtualization: The Basics

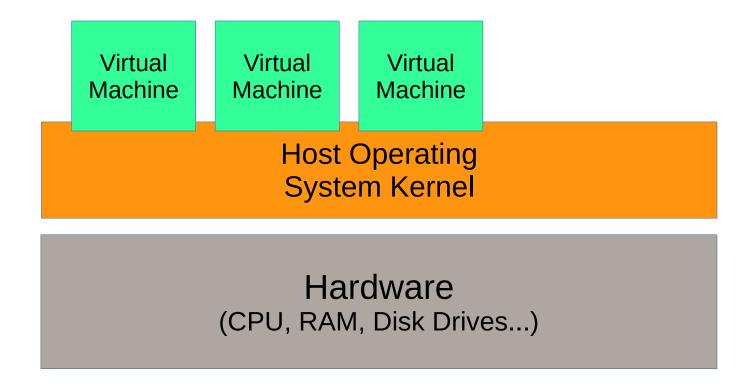
Host Operating System Kernel

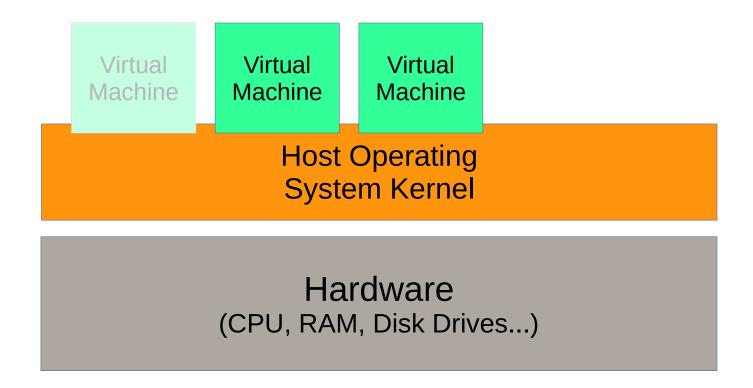
Hardware (CPU, RAM, Disk Drives...)

Virtual Machine

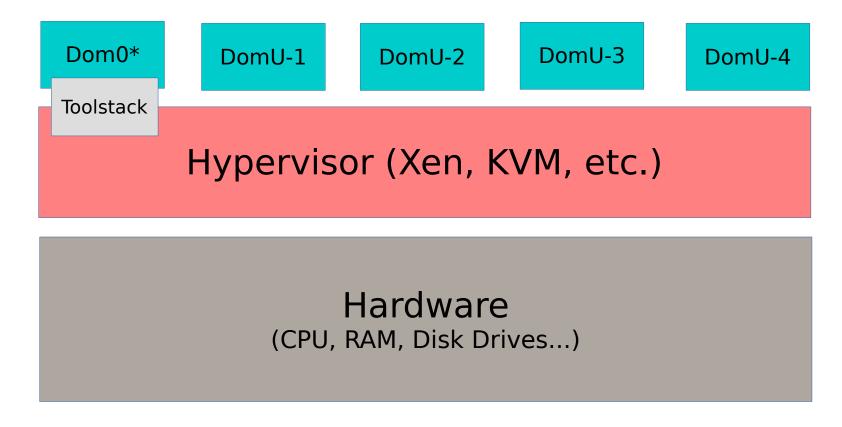
> Host Operating System Kernel

Hardware (CPU, RAM, Disk Drives...)



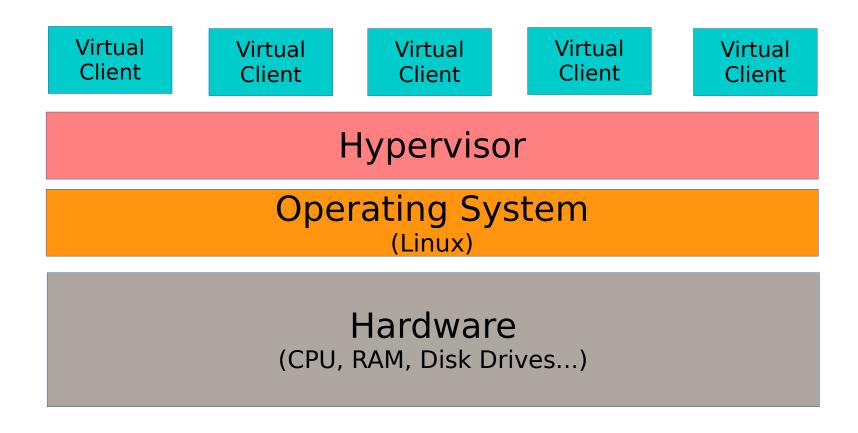


Type 1 Hypervisor

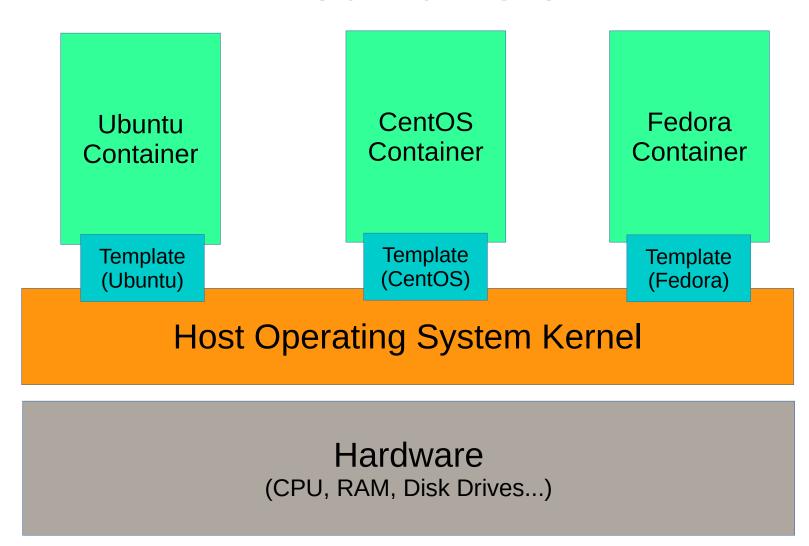


^{* &}quot;Dom" stands for "Domain"; Dom0 is the privileged domain that manages the others.

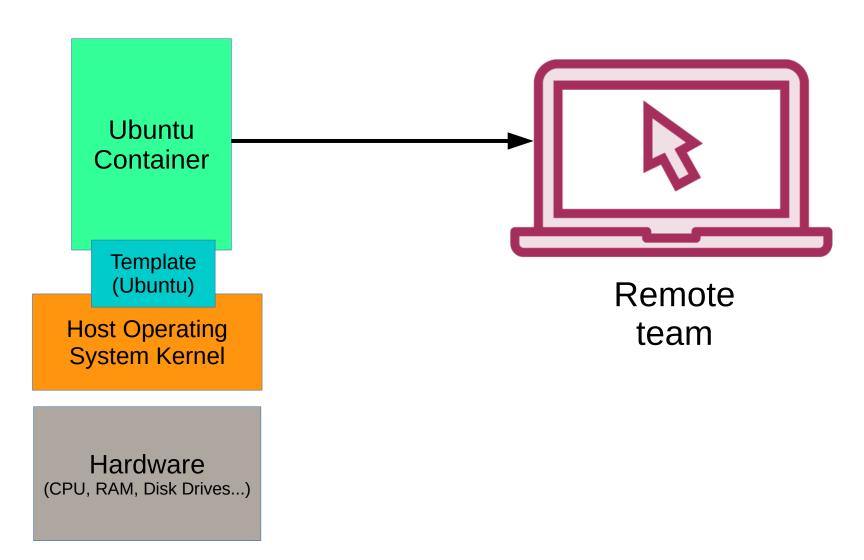
Type 2 Hypervisor



Containers



Docker Collaboration



Installing Docker Community Edition (CE)

Demo



Launch EC2 Instance

Install Docker

Launch container

Demo



Launch "Hello World" container

Launch Ubuntu container

Environment and network management

Scripting Docker Environments

Working with Docker Hub images

Module Review



Container virtualization

AWS Docker solutions

Docker installation

Docker administration

Docker containers

Docker Hub