

Roadmap was made in partnership with Sid Palas. Checkout his free course covering Docker in Depth

Docker Beginner to Pro

- ✓ Kubernetes Roadmap
- ✓ DevOps Roadmap
- ✓ Backend Roadmap

Package Managers

Users / Groups Permissions

Shell Commands

Shell Scripting

Linux Fundamentals

Programming Languages

Application Architecture

Web Development

Find the interactive version of this roadmap and more roadmaps at

roadmap.sh

Using 3rd Party Container Images

Databases

Command Line Utilities

Building Container Images

Dockerfiles

Efficient Layer Caching

Image Size and Security

Images

Containers

Volumes

Networks

Hot Reloading

Debuggers

Tests

Continuous Integration

Docker

Introduction

What are Containers?

Why do we need Containers?

Bare Metal vs VMs vs Containers

Docker and OCI

Underlying Technologies

Namespaces

cgroups

Union Filesystems

Just get the basic idea of these

Installation / Setup

Basics of Docker

Docker Desktop (Win/Mac/Linux)

Docker Engine ( Linux )

Data Persistence

Ephemeral Container Filesystem

Volume Mounts

Bind Mounts

Runtime Configuration Options

docker compose

docker run

Container Registries

Building Container Images

Running Containers

Dockerfiles

Efficient Layer Caching

Image Size and Security

Dockerhub

Others (ghcr, ecr, gcr, acr, etc)

Image Tagging Best Practices

Image Security

Runtime Security

Docker CLI

Container Security

Nomad

Docker Swarm

Kubernetes

PaaS Options

Developer Experience

Deploying Containers

Continue learning with following roadmaps

Kubernetes Roadmap

DevOps Roadmap