

Roadmap was made in partnership with [Sid Palas](#). Checkout his free [course covering this topic in depth](#).

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Kubernetes Roadmap

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DevOps Roadmap

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Backend Roadmap

Find the detailed version of this roadmap along with resources and other roadmaps

<https://roadmap.sh>

Package Managers

Users / Groups Permissions

Shell commands

Shell scripting

Linux Fundamentals

Programming Lanuage

Application Architecture

Web Development

Prerequisites

Using 3rd Party Container Images

Databases

Interactive Test Environments

Command Line Utilities

Building Container Images

Dockerfiles

Efficient layer caching

Image size and security

Images

Containers

Docker CLI

Volumes

Networks

Developer Experience

Hot Reloading

Debuggers

Tests

Continuous Integration

Introduction

Underlying Technologies

Installation / Setup

Basics of Docker

Data Persistence

Image Tagging Best Practices

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

Dockerhub

Container Registries

Runtime Security

Image Security

Container Security

Deploying Containers

PaaS Options

Kubernetes

Docker Swarm

Nomad

What are Containers?

Why do we need Containers?

Bare Metal vs VMs vs Containers

Docker and OCI

Namespaces

cgroups

Union Filesystems

Just get the basic idea of these.

Docker Desktop ( Win / Mac / Linux)

Docker Engine ( Linux )

Ephemeral container filesystem

Volume Mounts

Bind Mounts

Runtime Configuration Options

docker compose

docker run

Running Containers

Continue Learning with following relevant tracks

Backend Roadmap

DevOps Roadmap