

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

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

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- Package Managers
- Users / Groups Permissions
- Shell commands
- Shell scripting
- Linux Fundamentals
- Web Development

Using 3rd Party Container Images

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- Databases
- Interactive Test Environments
- Command Line Utilities

The diagram illustrates the use of 3rd party container images. At the top, a yellow box contains the text 'Using 3rd Party Container Images'. Below this box, three yellow boxes are stacked vertically, each containing a different application type: 'Databases', 'Interactive Test Environments', and 'Command Line Utilities'. A vertical ellipsis of three blue dots is positioned to the left of the 'Databases' box, indicating that these are examples of applications that can utilize 3rd party container images. A vertical blue line runs along the right side of the diagram.

Databases
Interactive Test Environments
Command Line Utilities

```

graph TD
    A[Dockerfiles] --> B[Efficient layer caching]
    B --> C[Image size and security]
  
```

The diagram illustrates the components of Dockerfiles, structured as a vertical stack of three yellow boxes with black borders. The top box is labeled "Dockerfiles". The middle box is labeled "Efficient layer caching". The bottom box is labeled "Image size and security". A small blue dot is positioned above the top box.

Containers

Volumes

Developer Experience

Debuggers

Continuous Integration

Introduction

Underlying Technologies

Basics of Docker

Data Persistence

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

Image Security

Container Security

PaaS Options

Kubernetes

Docker Swarm

Nomad

Why do we need Containers?

Bare Metal vs VMs vs Containers

Docker and OCI

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 Mouse

Runtime Configuration Options

docker compose

docker run

Running Containers

following relevant tracks

Backend Roadmap

DevOps Roadmap