

# Differences between Docker and Podman

## Architecture

**Docker:** Its architecture uses the daemon background process.

**Podman:** Its architecture is a Daemonless architecture.

## Root privileges

**Docker:** It needs root permission to run the processes on its containers.

**Podman:** It does not require root privileges to run the processes on its containers

## Security

Since you can run containers without root privileges **Podman is more secure than Docker**, because even if an attacker got access to the container in Podman he would not have root privileges. In contrast, in Docker, he would have root privileges and he would do more harm on the server.

## Building images

**Docker:** it can build images and run containers on its own.

**Podman:** it can't run containers on its own, it needs the help of **Buildah** to build images.

## All-in-one vs modular

**Docker:** It is a monolithic independent tool that does not rely on any third-party tool to handle tasks related to the containers.

**Podman:** It has a modular approach, relying on specialized tools for specific tasks.