Docker

Why Docker ?

ALQAMA SHUJA

Docker is a platform and tool for building, deploying, and running applications in containers.

Containers

Containers are a form of lightweight virtualization that allow you to package an application and its dependencies into a single, portable unit.

Using Docker has several benefits

Portability

Docker containers can be run on any platform that supports Docker, making it easy to move your applications between development, testing, and production environments.

Using Docker has several benefits

Isolation

Docker containers isolate an application and its dependencies from the underlying host system, reducing the risk of conflicts between applications and improving security.

Using Docker has several benefits

Scalability

Docker makes it easy to scale your applications horizontally by adding or removing containers as needed.

Using Docker has several benefits

Reproducibility

Docker containers provide a consistent and repeatable environment, making it easier to debug issues and ensure that your application behaves the same way in different environments.

Using Docker has several benefits

Ease of use

Docker provides a simple and intuitive command-line interface for managing containers, making it easier for developers to quickly get started with containerization.