EPITECH.
PARIS GRADUATE SCHOOL OF DIGITAL INNOVATION

Day 06

Kick-off

T5 - Networks and Systems Admin. Seminar

T-NSA-500

Docker

Docker is an open platform for developing, shipping, and running applications.

It enables you to separate your applications from your infrastructure,
so you can deliver software quickly.

With Docker, you can manage your infrastructure in the same ways you manage your applications.

By taking advantage of Docker's methodologies, you can significantly reduce the delay between writing code and running it in production.

Why containerization?

Containers isolate the software from its environment.

They ensure that the software works uniformly despite differences, for instance between development and staging.

Available for both Linux and Windows, a containerized software will always run the same, regardless of the infrastructure.

What is a Docker container?

A Docker container image is a lightweight, standalone, executable package of software.
It includes everything needed to run an application:

- code,
- runtime,
- system tools,
- system libraries
- settings.

Container images become containers at runtime.
In the case of Docker, the images become containers when they run on Docker Engine.

Questions

Do you have any questions?