VECTOR ›

Docker

Course Description

Docker-Container play an essential role in modern software architectures like microservices running in an orchestrated Kubernetes cluster. This training introduces the basic Docker concepts (images, container, volumes). A Dockerfile is used to define and build new images that are published inside a docker registry.

Topics

Docker Basics:

> installation
> images and containers
> port mapping
> details of the container file system detail: union, host mounts and volumes
> docker registry: docker as software package manager

Software Development:

> use docker images as applications
> debugging and monitoring containers
> test your docker images
> build and release
> CI/CD and docker
> using an own docker registry

Architecture:

> Service orientation and microservices
> use docker compose to create a container topology
> run your containers in Kubernetes

Trainingsinstitut	
Methoden	Präsentation, Diskussion, Übungen
Teilnehmerkreis und Voraussetzungen	Software-Entwickler, System-Architekten. Grundkenntnisse der Programmierung und des Build-Prozesses sind von Vorteil.
Interne Ansprechpartner	AER1