

Unify Academy

Basics of Kubernetes & Docker Workshop

Course code KUBEDOCWCS

Target Group Service
Administrators

Course language	Delivery type	Duration
English	Classroom	3 days

Course description

The use of container technologies has increased massively in recent years. Containers are slimmer than virtual machines and provide excellent support for modern programming approaches. In addition, there is a globally used system of existing images for containers, which can easily be used as the starting point for your own developments. However, the question arises as to how such container environments can best be managed. Kubernetes has become the de-facto standard as an orchestration solution and is used to provide reliable and scalable container-based applications.

Learning Target

The participant knows:

- the basics of Kubernetes
 - the basics of Docker
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Prerequisites

essential Linux know how

Contents

Introduction - Necessity of Kubernetes (K8s)

Basics about Containers

Install K8s

Frequent K8s commands

The most significant K8s objects

- Pods
 - Labels and Annotations
 - Services
 - ReplicaSets
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- DaemonSets
- ConfigMaps and Secrets
- Deployments
- StatefulSets

Role based access control

Storage solutions that are integrated with K8s

Troubleshooting

HTTP(S) Loadbalancing with Ingress

Kubernetes high availability

Examples of real applications

Comments

This Workshop will be exclusively provided and realized by the PTM Akademie. Please contact the PTM Akademie directly for further infos and registrations.

Further information:

Please contact us for further information or bookings:

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Website <http://www.unify.com/academy>