

Software-Defined Data Center

Concepts and Implementation

In the past years, IT infrastructures have changed significantly. Application-specific implementations are increasingly replaced and substituted by a resource pool of x86-based server systems controlled by IT. In this way, many processes can be simplified, standardized, and automated. The course provides an insight into the setup of modern data centers and introduces the components and software of the leading vendors used for this purpose, including typical application scenarios, strengths, and weak points. In addition to the presentation of various Hypervisor solutions, a special focus will be on topics like orchestration, monitoring, and reporting, as well as accounting. A preview of coming developments will round off the picture.

Course Contents

- Development Levels in the Data Center
- IT Architectures
- VMware vCloud Suite
- KVM and OpenStack
- Software-Defined Networking (SDN) and OpenFlow
- Network Function Virtualization (NFV)
- Software-Defined Storage (SDS)
- Microsoft Hyper-V and Microsoft System Center
- Trends: Big Data and Internet of Things (IoT)
- Preview

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Target Group

Developers, sales and pre-sales staff as well as technicians requiring an introduction to data centers will receive a sound overview on the setup of modern data centers in this course. Subsequently, they will be able to determine the degree of maturity of a data center.

Prerequisites

A basic interest in the setup of modern IT architectures and the components used for this purpose is a prerequisite for this course. Special know-how in this field is not required.

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:
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