DEVOPS

Implementing DevOps Solutions and Practices using Cisco Platforms

The Implementing DevOps Solutions and Practices Using Cisco Platforms (DEVOPS) v1.0 course teaches you how to automate application deployment, enable automated configuration, enhance management, and improve scalability of cloud microservices and infrastructure processes on Cisco® platforms. You will also learn how to integrate Docker and Kubernetes to create advanced capabilities and flexibility in application deployment.

Course Contents

- Introducing the DevOps Model
- Introducing Containers
- Packaging an Application Using Docker
- Deploying a Multitier Application
- Introducing CI/CD
- Building the DevOps Flow
- Validating the Application Build Process
- Building an Improved Deployment Flow
- Extending DevOps Practices to the Entire Infrastructure
- Implementing On-Demand Test Environments at the Infrastructure Level
- Monitoring in NetDevOps
- Engineering for Visibility and Stability
- Securing DevOps Workflows
- Exploring Multicloud Strategies
- Examining Application and Deployment Architectures
- Describing Kubernetes
- Integrating Multiple Data Center Deployments with Kubernetes
- Monitoring and Logging in Kubernetes

E-Book You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

Target Group

This course is designed for network and software engineers interested in automation and programmability and who hold job roles such as:

- Account manager
- Consulting systems engineer
- Network administrator
- Network engineer
- Network manager
- Sales engineer
- Systems engineer
- Technical solutions architect
- Wireless design engineer
- Wireless engineer

Prerequisites

Before taking this course, you should have the following knowledge and skills:

- Basic programming language concepts and familiarity with Python
- Basic understanding of compute virtualization
- Ability to use Linux, text-driven interfaces, and CLI tools, such as Secure Shell (SSH), bash, grep, ip, vim/nano, curl, ping, traceroute, and telnet
- Foundational understanding of Linux-based OS architecture and system utilities
- CCNA® level core networking knowledge
- Foundational understanding of DevOps concepts
- Awareness and familiarity with continuous integration, continuous deployment, and continuous delivery CI/CD) concepts
- Hands-on experience with Git

Processing time

approx. 30 hours

Status 03/08/2024

This Course in the Web

You can find the up-to-date information and options for ordering under the following link: www.experteach-training.com/go/**CDVO**

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as a exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExperTeach learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
	€ 1,000

Training		Prices, excl. of V.A.T.
Classes in Germany	5 Days	€ 4,795
Online Training	5 Days	€ 4,795

Date/course venue		Course language German
10/06-14/06/24 HY Frankfurt	04/11-08/11/24 HY Frankfurt	
10/06-14/06/24 HY Online	04/11-08/11/24 HY Online	

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DevNet

ExperTeach

Our Training Offer for You

Classroom Training
The live training experience in our training centers or on your premises on-site.

Online Training
Attend your course in online mode – without travel and accommodation expenses and effort.

Hybrid Training
Classroom & online in one course – choose how you wish to participate in your training event.

In-house Training
We create your customized training concepts for your project.

Guaranteed Course Dates
ExperTeach guaranteed course dates allow for secure and reliable planning.

Awards Won by ExperTeach

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