NSO303

Cisco NSO Administration and DevOps

The Cisco Network Services Orchestrator (NSO) Administration and DevOps (NSO303) course continues the learning journey of the NSO Essentials for Programmers and Network Architects (NSO201) and NSO Advanced for Python Programmers (NSO300) courses by introducing you to system administration and DevOps with a focus on NSO; the robust solution that combines network automation and orchestration tools, exploring the functions of development, operations, and management tasks. You will learn how to set up, configure, deploy, and maintain a Cisco Network Services Orchestrator solution and learn best practices for deploying DevOps. The examples shown in this course demonstrate real-world scenarios to prepare you to deploy and manage new or existing NSO instances. The course guides you through setting up a production-ready NSO instance using a system installation with access control, deploying NSO in Docker containers, and introduces modern DevOps concepts and tools such as Git and Continuous Delivery/Continuous Deployment (CI/CD). You will learn how to migrate CDM devices, how to create NETCONF NEDs via the NSO CLI, how to handle NSO alerts, and many more features that will benefit you on your journey with Cisco NSO.

Course Contents
- Describe network and IT convergence
- Describe Cisco NSO architecture
- Describe Linux
- Configure Cisco NSO
- Set up access control to Cisco NSO system
- Describe Cisco NSO Integration Options
- Explain version control systems and basic git concepts
- Describe the purpose of continuous integration and continuous delivery
- Implement Cisco NSO high availability
- Describe scalable system management
- Describe software development methodologies
- Describe service maintenance
- Perform NED upgrades
- Use Cisco NSO for managing services and their associated device configurations
- Describe Cisco NSO change management
- Explain service problem management
- Use Cisco NSO for service monitoring and compliance reporting
- Describe Cisco NSO inventory management
- Describe Cisco NSO use cases

E-Book You will receive the original course documentation from Cisco in English language. The course documentation is also available as Cisco E-Book.

Target Group
- DevOps Engineers
- Integration Engineers
- Network and Software Architects
- Network Engineers
- Software Engineers
- System Administrators

Prerequisites
Before attending this course, we recommend that you have the knowledge and skills gained from attending the NSO Essentials for Programmers and Network Architects (NSO201) or NSO Advanced for Python Programmers (NSO300) course, including:

- Basic knowledge of Cisco CLI
- Basic knowledge of CLI of UNIX-like operating systems
- Basic knowledge of YANG data modeling (Yet Another Next Generation)
- Basic knowledge of software development with Python

Status 05/14/2025

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/**NSO3**

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.

Training		Prices, excl. of V.A.T.
Classes in Germany	**4 Days**	**€ 4,395**
Online Training	**4 Days**	**€ 4,395**

Date/course venue		Course language English
02/06-05/06/25 ON Online	11/08-14/08/25 ON Online
16/06-19/06/25 ON Online	15/09-18/09/25 ON Online
07/07-10/07/25 ON Online	22/09-25/09/25 ON Online
21/07-24/07/25 ON Online	06/10-09/10/25 ON Online
04/08-07/08/25 ON Online	20/10-23/10/25 ON Online

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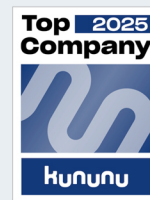
In-house Training
We create your customized training concepts for your project.

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

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