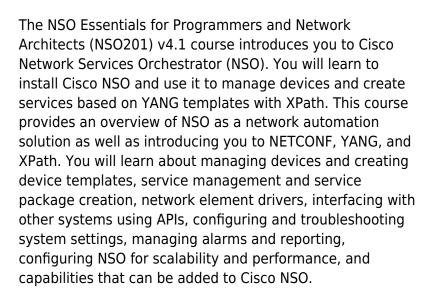


kod szkolenia: NSO201 / PL AA 4d

NSO Essentials for Programmers and Network Architects





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Przeznaczenie szkolenia

This course is designed primarily for network and software engineers who are interested in learning about automation and programmability and hold the following job roles:

- Network administrators
- Solutions designers
- System installers
- System integrators
- System administrators



Korzyści wynikające z ukończenia szkolenia



This course will help you:

- Learn to install Cisco Network Services Orchestrator (NSO)
- Practice configuring devices with NSO
- Practice designing and managing services with YANG models
- Gain confidence with NSO configuration



Oczekiwane przygotowanie słuchaczy

We require the following knowledge and skills before taking this course:

- Basic knowledge of the Cisco Command-Line Interface (CLI) or the CLI of UNIX-like operating systems
- Working knowledge of UNIX-based operating systems and basic tasks
- Basic knowledge of programming constructs
- Basic knowledge of YANG data modeling
- Basic knowledge of the NETCONF communication protocol
- Knowledge of XML data structures and schemas
- Basic management of network components (routers, switches, etc.)

The following Cisco courses can help you gain the knowledge you need to prepare for this course

- Network Programmability Basics (Cisco DevNet Course)
- Introducing Automation for Cisco Solutions (CSAU)
- Programming for Network Engineers (PRNE)



Język szkolenia

Szkolenie: polskiMateriały: angielski



Czas trwania

4 dni / 28 godzin

Agenda szkolenia



Course outline

- Introducing Service Orchestration with Cisco NSO
- Exploring Cisco NSO Architecture
- Orchestrating Network Solutions
- Describing Cisco NSO Operation
- Installing Cisco NSO
- Exploring the Advantages of NETCONF
- Managing Devices Using the Device Manager
- Creating YANG Models
- Using Services
- Implementing Services with Model-to-Model Mapping
- Designing Services in Cisco NSO
- Managing the Service Lifecycle
- Programming with Python in Cisco NSO
- Configuring and Troubleshooting System Settings
- Discovering Cisco NSO Northbound APIs
- Managing Alarms and Reporting
- Configuring Cisco NSO for Scalability and Performance
- Describing Cisco NSO VNF Manager and Function Packs

Lab outline

- Install Cisco NSO
- Use Device Manager
- Create a Device Template
- Create a Loopback Template Service
- Create a VLAN Template Service
- Create an L3VPN Template Service
- Migrate a CDM Device
- Set Up a Device Using Python Scripts
- Create an SVI Python Template Service
- Use NSO RESTCONF API with Postman