opentext™ 　 Fast Lane

Network Node Manager Advanced (NNMI200-2022)

ID NNMI200-2022 　 **Price** 2,400.— €(excl. tax) 　 **Duration** 3 days

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Please note that prepayment is required for participation in an Open Text training course. Participation in a training course is possible for 12 months after booking the course. Cancellations are excluded. For further information, please refer to **our** General Terms and Conditions.

Course Overview

This course provides in-depth technical knowledge about the advanced administration of Network Node Manager i (NNMi) 2022.x.

It is intended for those who might need to use features, such as Global Network Management (GNM), user interface (UI) customization, advanced incident handling, custom event correlation, integration with Micro Focus Software products, fail-over options, and advanced command-line options. This three-day course is a mixture of lectures and hands-on exercises. Network Node Manager i 2022.11 is used during the hands-on exercises.

This course is designed for users who already have some prior knowledge and hands-on experience with Network Node Manager i 2022.x.

The hands-on lab exercises in this course use Network Node Manager software version 2022.11.

Highlights:

- Global Network Management (GNM)
- UI Customization
- Advanced Incident Handling
- Custom Event Correlation
- Failover Options

Prerequisites

To be successful in this course, you should have the following prerequisites or knowledge:

- Prior knowledge and hands-on experience with NNMi 2022.x or later versions and/or participation in the NNMi120 - Network Node Manager i 2022.X Essentials course or later versions.

Course Objectives

On completion of this course, participants should be able to:

- Plan for NNMi implementation
- Configure integration between NNMi and Network Automation (NA), and NNMi and LDAP
- Implement Application failover and Global Network Management (GNM)
- Use Incident correlation
- Extend NNMi functionality with custom menu actions
- Define Management Information Base (MIB) expressions and collect custom MIB data from devices
- Understand the functionality of the MultiProtocol Label Switching, Quality Assurance Smart Plug-in (QA SPI), and Traffic Performance
- Learn about Containers, AppHub, Containerd and Kubernetes, along with NOM-OMT

Course Content

- Module 1: Course Overview
- Module 2: Application Failover
- Module 3: NNMi Global Network Management
- Module 4: Integrating NNMi, LDAP, and NA
- Module 5: Custom Attributes
- Module 6: Advanced Protocols IPv6 and SNMPv3
- Module 7: User Interface Customization
- Module 8: Advanced Incident Configuration
- Module 9: Custom Poller
- Module 10: Managing Virtualization
- Module 11: NNM iSPI for QA and NNM iSPI for MPLS
- Module 12: Introduction to NOM on OMT

Detailed Course Outline

Module 1: Course Overview

- Participant introductions
- Administration and housekeeping
- Facilities
- Participants' responsibilities
- Course objectives
- Course outline
- Exercises
- Survey

Module 2: Application Failover

- Summarize the NNMi application failover functionality
- Configure application failover
- Use cluster administration commands

Module 3: NNMi Global Network Management

- Explain the functions and features of Global Network Management (GNM)
- Define the two main components of GNM
- Analyze use scenarios for GNM
- Outline different deployment scenarios for GNM
- List prerequisites for GNM deployment
- Explain GNM-iSPI relations
- Identify high-level GNM architecture
- Explain how to plan and configure GNM for NNMi

Module 4: Integrating NNMi, LDAP, and NA

- Describe how to integrate NNMi with Lightweight Directory Protocol (LDAP) and Microsoft Active Directory (AD)
- Integrate NNMi with Network Automation (NA)

Module 5: Custom Attributes

- Add custom attributes to nodes
- Add custom attributes to interfaces
- Populate custom attributes from the CLI

Module 6: Advanced Protocols IPv6 and SNMPv3

- Specify the types of IPv6 addresses
- Identify the notation used in writing IPv6 addresses
- Describe how NNMi supports IPv6
- Explain how to locate and manage IPv6 and IPv4 devices
- List the prerequisites for deploying IPv6
- List the components and architecture of SNMPv3
- Explain how SNMPv3 security works
- Describe how to configure NNMi to manage SNMPv3-enabled devices
- List the general steps for configuring a network device for SNMPv3
- Describe the main design goals for SNMPv3

Module 7: User Interface Customization

- Create a menu
- Create a menu item
- Create a launch action
- Create a line graph action

Module 8: Advanced Incident Configuration

- Define a node and interface group specific to trap handling
- Use the following event correlation features:
- Dampening
- Payload filtering
- Pairwise
- Rate
- Deduplication
- Custom correlation
- Causal rules

Module 9: Custom Poller

- Define a MIB expression
- Configure a collection policy
- Define a collection threshold
- Export collected data to a CSV file
- Define MIB expressions and collections using the CLI

Module 10: Managing Virtualization

- Identify the hypervisor (ESXi Server) hosting a virtual machine (VM)
- Use a loom map to identify the hosting hypervisor's Network Interface Card (NIC) that the VM is connected to
- Use a wheel map to identify the hosting hypervisor's NIC that the VM is connected to

Module 11: NNM iSPI for QA and NNM iSPI for MPLS

- Identify the functionality of NNM iSPI Performance for Quality Assurance Software (NNM iSPI for QA)
- Configure and use NNM iSPI for QA
- Identify the functionality of NNM iSPI for MPLS
- Configure and use NNM iSPI for MPLS
- Identify the functionality of NNM iSPI for Traffic

Module 12: Introduction to NOM on OMT

- Describe OPTIC Management Toolkit (OMT)
- Describe Network Operations Management (NOM)
- Describe NOM deployment modes

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