opentext™

Fast Lane

NNMi Basic Administration and Configuration (NNBAC)

ID NNBAC **Price** 3,200.— €(excl. tax) **Duration** 4 days

Important notes for the booking of Open Text trainings

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

The OpenText™ Network Node Manager i (NNMi) is a core component of the OpenText™ Network Operations Management (NOM) solution. This four-day course about NNMi explains how to monitor and manage your enterprise networks. You will learn how to use a complex tool such as NNMi to gain visibility into their enterprise network devices and their interconnectivity, and identify the networking issues that may arise daily. You will learn how to troubleshoot such problems using the tools provided by NNMi and how to customize the tool to serve their purposes. The class provides an opportunity to develop hands-on experience in configuring the tool, discovering network devices, understanding their configuration, learning about their interconnections, gaining visibility into the traffic and load of the network, device, and interface failures, and managing events using NNMi. The course uses lectures and a series of hands-on labs to teach the course material.

Highlights:

- Describe the NNMi architecture
- Describe the various features and functionalities available with NNMi
- Understand how NNMi uses ICMP and SNMP to discover network devicesand their capabilities
- Use NNMI to effectively identify, prioritize, and resolve network-relatedevents
- Manage NNMi user access and permissions
- Describe the NNMi event sources and the stages of event processing
- Manage the event processing pipeline, customize events and their severity,add vendor trap definitions, block trap storms

Who should attend

This course is intended for:

- Network engineers
- Network operations center (NOC) operators
- Support staff
- Operation Managers

Prerequisites

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

- Network management operations principles and practices
- TCP/IP and industry-standard networking protocols
- Familiarity with network devices such as routers, gateways, firewalls, switches
- Systems and network administration
- Familiarity with Linux command language and shell scripting

Course Objectives

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

- Describe NNMi Architecture.
- Summarize what NNMi is and where it fits inyour project lifecycle.
- Describe the various features and functionalitiesavailable with NNMi.
- Understand how NNMi uses ICMP and SNMPto discover network devices and theircapabilities.
- Use NNMi to effectively identify, prioritize, andresolve network-related events.
- Describe how NNMi can monitor for networkfaults and monitor the network performance.
- Manage NNMi user access and permissions.
- Describe the NNMi event sources and thestages of event processing.
- Manage the event processing pipeline,customize events and their severity, addvendor trap definitions, block trap storms.

- Configure custom polling for any arbitrary MIB metric.
- Administer NNMi to customize console settings, back up NNMi data and configuration, manage NNMi log files, and understand what is required to move NNMi from a test into a production environment.

Course Content

- Module 01: Course overview
- Module 02: Introduction to NNMi
- Module 03: Managing SNMP and ICMP communication
- Module 04: Discovery architecture and operation
- Module 05: Configuring discovery
- Module 06: Using the Management Console
- Module 07: Configuring Node and Interface Groups
- Module 08: Customizing Views
- Module 09: Status Monitoring Architecture and Operation
- Module 10: Customizing Status Monitoring
- Module 11: Configuring Users
- Module 12: Troubleshoot Network Issues
- Module 13: Troubleshooting Using MIBs
- Module 14: Event Monitoring Architecture
- Module 15: Customizing Event Monitoring
- Module 16: Thresholds and Customized MIB Monitoring
- Module 17: Administering NNMi

Detailed Course Outline

Module 01: Course overview

- Identify the content and objectives of the course
- Define the class schedule and class logistics
- Identify the related courses
- Discuss lab environment details

Module 02: Introduction to NNMi

- Describe how NNMi supports the best business practices
- Describe how NNMi fits in the Open Text family of management products
- Differentiate NNMi and NNMi advanced feature sets
- List add-on and integrated products available from Micro Focus
- Describe how NNMi supports efficiency and effectiveness in managing a complex network

Module 03: Managing SNMP and ICMP communication

- Configure authentication for SNMPv1, SNMPv2, SNMPv3 (individual, region, type, filter, default)
- Configure alternative authentication names
- Use an alternate SNMP port or timeout

- Use an SNMP proxy
- Use the SNMP Command Line Interface (CLI)

Module 04: Discovery architecture and operation

- Describe what NNMi discovers, how far, which objects
- Describe how NNMi groups discovered objects
- Describe how NNMi discovers connectivity
- Describe limits of duplicate IP address management

Module 05: Configuring discovery

- Turn auto-discover (inventory) on/off
- Schedule discovery
- Initiate manual discovery (single, group, all nodes)
- Expand discovery (single node, from a file, for the region)
- Limit discovery (filter by region, type, node or interface level, before/after SNMP query)
- Recheck node configuration
- Recheck connectivity
- Remove discovered objects (individually, by filter, by region)

Module 06: Using the Management Console

- Start the NNMi console
- Locate workspaces
- Navigate tables, maps, views, and forms
- Access object details
- Sort and filter tables

Module 07: Configuring Node and Interface Groups

- Describe how node and interface groups are applied in NNMi
- Configure a group by object type, region, specific object, default
- Use advanced filtering on object capabilities

Module 08: Customizing Views

- Create a map of a node group
- Place the map in the list of topology maps
- Control the default map displayed when the console opens
- Add a background to a map
- Control status propagation
- Add connections to Path View maps

Module 09: Status Monitoring Architecture and Operation

- Differentiate between fault monitoring and performance monitoring
- Identify data gathered for interface monitoring and component health

- Describe the roles of State Poller and Causal Engine
- Describe the operation of neighbor analysis

Module 10: Customizing Status Monitoring

- Turn polling on/off (specific nodes, region, type)
- Set polling interval by node or interface group
- Set objects to out-of-service mode
- Select polling protocol and set of data to be gathered
- Verify the polling settings for an object
- Perform an on-demand status poll of an object
- Check polling backlog/performance
- Exclude objects from status polling (individual, region, type)

Module 11: Configuring Users

- Configure a user account for each of your NNMi users with the appropriate capabilities
- Describe what each user group may access in the console
- Configure Custom Security groups
- Configure tenants
- Configure command-line permissions
- Audit account activity

Module 12: Troubleshoot Network Issues

- Describe the incident life cycle, assignments and ownership, and states
- View network incidents and incident details
- Sort and filter incidents
- Assign and reassign incidents
- Delete an incident
- Annotate an incident
- View historical incidents (closed)
- Cross-launch to graphical visualization
- Interpret root cause incidents
- Launch and interpret network visualization (different types)
- List nodes, interfaces, and addresses in the network
- View object details
- Filter a view by node group or interface group
- Invoke troubleshooting tools
- Check the status and configuration of a device
- Display incidents for a device

Module 13: Troubleshooting Using MIBs

- Describe the use of Management Information Base (MIB) browsing and graphing during troubleshooting
- Graph MIB data
- Browse MIB data

Module 14: Event Monitoring Architecture

- Describe event sources and processing

Module 15: Customizing Event Monitoring

- Add and delete event definitions
- Customize event category/severity/message
- Create a new category or family
- Add vendor trap definitions
- Exclude an event from display
- Block trap storms
- Block reception of events

Module 16: Thresholds and Customized MIB Monitoring

- Configure Custom Polling Threshold Monitoring

Module 17: Administering NNMi

- Customize NNMi console settings
- Back up NNMi data and configuration
- Check NNMi health from the GUI
- Locate NNMi log files
- Move from test to production (import/export tools)

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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