Szkolenie: Micro Focus  
NNMi01IT - Network Node Manager i Interactive Training by ART

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<th>FORMA SZKOLENIA</th>
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<td>E-learning</td>
<td>1050 PLN NETTO*</td>
<td>1 dzień</td>
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* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

Cel szkolenia:

This Network Node Manager i (NNMi) ART course is comprised of 8 modules and is designed for Network Operators and Administrators. This includes an overview of NNMi, key terminologies and definitions, and methods to troubleshoot a networked environment. The course provides simulations to reinforce learning objectives. The hands-on lab simulations use version 10.5 of the software.

Upon successful completion of this course, you should be able to:

- Use the NNMi software to monitor and troubleshoot a networked environment
- Quickly identify, address and remediate problems
- Monitor incidents and perform network diagnostics
- Use the NNMi monitoring toolsto obtain the information necessary to use networked devices at optimal performance and efficiency
- Understand Virtualization support and view performance reports

Audience/Job Roles

- Network Designers, Operators, and Administrators
- NNMi end-users who need to install, configure, test, use, and maintain an NNMi system and itsintegration with other Micro Focus products

Plan szkolenia:

- Introduction to Network Node Manager i 10.50
  - Network Operations Management Suite
  - NNMi Functionality and Features
  - Continuous Spiral Discovery
  - Map-Based Management
  - Graphical Topology Visualization
- Comprehensive Device Fault Monitoring
- Active Root Cause Analysis for Topology Changes
- Incident Management and Event Correlation
- NNM iSPI for Operational Performance Management
- High Availability (HA) and Application Level Failover
- NNMi Advanced Features
  - SNMP Configuration and Network Discovery
    - Network Management Tasks
    - NNMi’s Network Management Model
    - SNMP Operations in NNMi
    - NNMi Communication Layer Architecture
    - SNMP Configuration Operations
      - Configure the Common User Operations Performed for SNMP
      - Configure the SNMPv1 and SNMPv2c Communication Settings
      - Configure the SNMPv3 Communication Settings
      - Configure the Regional SNMP Proxy
  - Spiral Discovery Concepts
    - Spiral Discovery in NNMi
    - Inventory Basics Stage – Initial Discovery of a New Node
    - Connectivity Details Stage
    - Connectivity Analysis Stage
    - New Node Discovery for Node Characteristics
    - Discovery of Islands (Disconnected Subnets)
    - Rediscovery of Nodes in NNMi
  - Device Discovery Operations
    - Common User Operations Performed for Device Discovery
    - Set Initial Discovery Configuration and Interval Settings
    - Configure Interface Filters – Included Interfaces
    - Define Auto-Discovery Rules
    - Configure IP Exclusion Range
    - Create Discovery Seeds
    - Add Multiple Discovery Seeds
    - Verify Discovery
    - View Discovered Objects
    - Delete an Object from the Inventory
    - Discovering Nodes while Using Network Address Translation (NAT)
  - Perform SNMP Configuration using the NNMi Console*
Perform Network Discovery*

Using the NNMi Management Console
  - Accessing NNMi Console
  - NNMi Console Main Page
  - Navigating the NNMi Console
  - Locate Workspaces
  - Display Map Views
  - View Network Overview Dashboard
  - Visualize Key Groups in Topology Maps
  - View the Inventory in a Tabular View
  - Display Data in a Tabular View
  - Review Object Details in the Analysis Pane
  - Modify Attribute Values of an Incident Object
  - Invoke User Initiated Actions from the Menu
  - Use Filters on Views
  - View Status of a Selected Node Group
  - Find a Node in the Inventory
  - Schedule Node Outages using Management Mode
  - View Component Performance Dashboard
  - View Interface Performance Dashboard
  - View Node Performance Metrics for Performance Analysis
  - View Inventory Node Details*
  - Review the Device Information*
  - Review Information about a Stacked Switch*

Incident Management
  - Incident Generation Process
  - Incident Lifecycle
  - Incident Lifecycle States
  - NNMi Incident Concepts
  - Incident Browsing Workspace Views
    - Current Incidents View
    - Historical Incidents View
  - Common User Operations for Incident Management
    - Review Incident Details
    - Own an Incident
    - Assign an Incident
- o Annotate an Incident
- o View the Related Object Details
- o View Impacted Nodes
- Manage Incidents Using NNMi*
- Explore the Historical Incident View*

Troubleshooting Network Problems
- Troubleshooting a Network Issue
- User Operations for Troubleshooting Network Issues
- Topology Map View
- Node Group Overview
- View Status Details for a Node Group
- View Network Propagation Status
- Incident Views
- Layer 2 Neighbor View
- Layer 3 Neighbor View
- Path View
- Router and Switch Views
- Test Accessibility Using the Ping Command
- View the Network Route Using the Trace Route Command
- Access Devices Using the Telnet Command
- Perform Status Polling on a Device
- Perform Configuration Polling on a Device
- View Real-time Performance Graphs
- Troubleshoot Network Problems*

Inventory Nodes Management
- Inventory Management
- Grouping of Nodes
- Existence of Nodes in Multiple Groups
- Group Hierarchy and Containment
- Default Node Groups
- Common User Operations for Inventory Management
- Create a New Node Group
- Add a Device Filter and Additional Filter Attributes
- Assign Specific Nodes to a Node Group
- Define Child Node Groups
- Select Device Descriptors
Select the Device Model and Device Profile
Preview Nodes that Belong to a Node Group
Configure Node Group Status Propagation
View Default Interface Groups
Configure Child Node Groups*
Configure a Parent Node Group*

Performance Reporting
iSPI Performance for Metrics
Single Sign-On (SSO) Configuration
NNM iSPI for Performance Integration with NNMi
Launching iSPI Reports from NNMi Console
Launching NPS Portal Reports
Extension Packs in iSPI for Performance
  - Performance Reporting Groups
  - Self Monitoring Extension Pack
  - Interface Health Extension Pack
  - Component Health Extension Pack

Types of Reports Supported in iSPI
  - Chart Detail Reports
  - Dashboard Reports
  - Headline Reports
  - Baseline Sleeve Reports
  - Top N Reports
  - Peak Period Reports
  - Threshold Sleeve Reports

View iSPI Performance Reports*

Virtualization Management * Indicates a simulation
  - Key Concepts of Virtualization
  - Discover and Monitor the hypervisor (ESXi Server)
  - Management of ESXi Servers
  - Management of ESXi Virtual Machines
  - Web Agent Running on the ESXi Server
  - Device Credentials for Web Agent
  - Trusted Certificates for Web Agent
  - Managed Nodes (VMs) on the ESXi Server
  - Managed Virtual Switches on the ESXi Server
Wheel Map Diagram
Loom Map Diagram
Layer 2 Map
Manage Virtualization using NNMi*

* Indicates a simulation

Wymagania:

To maximize success in this course, students should have basic networking experience.

Poziom trudności

Certyfikaty:

The participants will obtain certificates signed by Micro Focus (course completion).

Prowadzący:

Authorized Micro Focus Trainer.