Szkolenie: HPE
Managing HPE Intelligent Management Center

Cel szkolenia:

This course covers monitoring, managing and configuring your edge-to-core network with the HPE Intelligent Management Center software platform (HPE IMC). This course teaches how HPE IMC is installed, how devices are added through discovery, and then how they can be viewed. The course also goes through configuration management and explains how HPE IMC is used to manage firmware and configuration on devices. It covers how alarms are received and processed in HPE IMC, along with trap management. Then it looks at the Virtualization Resource Management (VRM) component against an ESXi host. This course teaches Access Control List (ACL) management, Network Traffic Analyzer (NTA), Compliance and Intelligent Policy Center, report management, and VXLAN management. The hands-on lab exercises utilize HPE IMC working with edge devices including HPE Comware, Aruba AOS and CX and Cisco switches. This course is approximately 40 percent lecture and learning activities, and 60 percent hands-on lab activities.

This course is the combination of:

- HQ7C1S: HPE Intelligent Management Center - Managing and Monitoring your Network
- H61N0S: HPE Intelligent Management Center - Securing Network and Performance Management

Course objectives

By the end of this class, you should be able to:

- Understand the HPE IMC installation process and how to initially access HPE IMC
- Understand how to add devices into HPE IMC using auto discovery
- Understand the different views in HPE IMC and how they can be utilized
- Understand the Configuration Centre and how it can be used for configuration management
- Understand how alarms and traps are generated in HPE IMC
- Understand how HPE IMC can be used to manage, monitor and configure VLANs.
- Understand how HPE IMC can be used for performance management
- Understand how HPE IMC can be used for virtualization resource management
- Understand how to troubleshoot HPE IMC
- Implement and deploy Access Control Lists (ACLs) using HPE IMC ACL management
- Configure and use the HPE IMC Network Traffic Analyzer module
- Configure and deploy Compliance Policy Center configuration
- Create and schedule reports

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- Configure and deploy static VXLAN tunnels using HPE IMC VXLAN Management

Audience

This course is for network administrators and engineers who plan to deploy, manage, monitor and configure their network using the HPE Intelligent Management Center software platform.

Plan szkolenia:

- Module 1: HPE Intelligent Management Center Introduction
  - Introduction
  - HPE Intelligent Management Center design
  - HPE vLabs access
- Module 2: Installation and Initial Access
  - Processes on the HPE Intelligent Management Center server
  - How to login to HPE Intelligent Management Center
  - Licensing structure
  - Difference between an HPE Intelligent Management Center operator and an HPE Intelligent Management Center user
  - Operator groups and how they can be mapped to operators
  - How to install an HPE Intelligent Management Center module
  - How to configure display tiling
- Module 3: Adding Devices
  - How to configure devices before you add into HPE Intelligent Management Center
  - How to configure access service templates
  - How to use “auto discovery” to add devices to HPE Intelligent Management Center
  - How to use “add device” to add devices to HPE Intelligent Management Center
  - How to use “check access settings” and interpret the output
  - How to install and use DBman
- Module 4: Trap Management
  - How traps are received and processed by HPE Intelligent Management Center
  - How to view and understand traps in HPE Intelligent Management Center
  - How traps are filtered in HPE Intelligent Management Center
  - How HPE Intelligent Management Center is used to create a trap definition
  - How to import MIBS in HPE Intelligent Management Center
  - Escalate a trap (event) to an alarm
- Module 5: View Management
  - Access and manage the network topology

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- Access the IP topology view
- Appreciate the difference between the IP view and IP topology view
- Create a custom view
- Create a port group view
- Create a custom view
- Create a data center topology

- Module 6: Configuration Management
  - How to backup and baseline firmware
  - How to backup, baseline, and compare configurations
  - How to schedule backups
- Module 7: Alarms and Events
  - Understand the alarm window information
  - How alarms are acknowledged and recovered
  - How to edit the home screen
  - How to cause an event to become an alarm
- Module 8: VLAN Management
  - How to manage global and device VLAN information
  - Know the steps to deploy a VLAN
- Module 9: Performance Management
  - Describe the types of performance metrics that a network administrator can monitor using HPE Intelligent Management Center
  - Analyze the performance characteristics being tracked by HPE Intelligent Management Center
  - View, interpret, and configure performance widgets in the HPE Intelligent Management Center home window
  - Describe the difference between global index settings and individual device monitoring settings
  - Configure individual device monitoring settings
  - Use topology maps to access device performance metrics
  - Configure topology maps to display specific performance metrics
  - Describe the difference between global index data and real time monitoring data
  - Configure real time performance data
- Module 10: Virtualization Management
  - An introduction to virtualization
  - Add virtual hosts to HPE Intelligent Management Center
  - Use Virtual Resource Manager (VRM)
  - An introduction to managing virtual devices in VRM

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- Module 11: ACL Management
  - Describe the HPE IMC ACL management functionality
  - Configure ACL using HPE IMC ACL management
  - Deploy and test ACL usage
- Module 12: Network Traffic Analyzer (NTA)
  - Describe sFlow protocol
  - Describe Network Traffic Analyzer module functionalities
  - Configure NTA analysis tasks
- Module 13: Compliance Center and Intelligent Policy Center.
  - Describe HPE IMC Compliance Center functionality
  - Configure HPE IMC Compliance Center tasks
- Module 14: Reporting
  - Explain HPE IMC reporting possibilities
  - Generate reports using HPE IMC reporting
- Module 15: VXLAN Management
  - Explain VXLAN management possibilities
  - Configure VXLANs using VXLAN management module

Wymagania:

Prior to this course, students should have some networking experience to get the most from this training course. They should:

- Understand networking
- Understand IPv4 addressing
- Have some knowledge of the CLI commands on HPE Aruba Switches (AOS and CX), HPE Comware v7 and Cisco (this knowledge is beneficial, but not required)
- Understand file architecture on HPE Comware and Aruba, including Telnet/SSH, and start up and saved configurations
- Understand SNMP configuration
- Understand traps and how they are configured on the switches

Poziom trudności



Certyfikaty:

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

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Prowadzący:

Authorized HPE Trainer.

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