Szkolenie: HPE
Configuring HPE FlexFabric Technologies for Comware Devices

FORMA SZKOLENIA | MATERIAŁY SZKOLENIOWE | CENA | CZAS TRWANIA
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Stacjonarne | Tradycyjne | 3900 PLN NETTO* | 3 dni
Stacjonarne | Tablet CTAB | 4500 PLN NETTO* | 3 dni
Metoda dlearning | Tradycyjne | 3900 PLN NETTO* | 3 dni
Metoda dlearning | Tablet CTAB | 4500 PLN NETTO* | 3 dni

* (±VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE
Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

DOSTĘPNE TERMINY
2020-11-18 | 3 dni | TRYB ZDALNY

Cel szkolenia:

This course introduces network professionals to the basic features of modern networks such as VLANs, redundancy technologies such as MSTP, IRF, link aggregation technologies like LACP, static IP routing, and dynamic routing with OSPF. In this course, participants will learn how these technologies are implemented in the HPE Comware 7 switch platform, and will have opportunities to practice configuring these features, monitor their functionality, and design a solution based on provided criteria. This course is approximately 40 percent lecture and learning activities and 60 percent hands-on lab activities.

At the conclusion of this course, you should be able to:

- Protect devices with local and remote authentication using telnet, SSH, web, and SNMP access
- Navigate the HPE Comware CLI and manage the flash file system
- Upgrade the Comware switch operating system
- Configure VLANs on HPE Comware switches
- Implement basic routing on directly connected VLANs or links
- Configure a Comware switch for DHCP server and DHCP relay
- Interpret Comware logs
- Understand how different varieties of spanning tree are implemented on Comware switches
- Configure multiple spanning tree and apply STP security features
Differentiate between static and dynamic link aggregation
Configure and troubleshoot link aggregation on HPE switches
Identify applications for static and dynamic routing
Configure single-area OSPF routing
Understand the basic operation of HPE’s Intelligent Resilient Framework (IRF)
Identify IRF’s advantages when compared with other technologies that manage redundant paths
Describe how the Multi-Active Detection (MAD) protocol deals with an IRF split stack
Configure and verify a simple IRF topology
Identify an appropriate VLAN design based on a given scenario
Based on a given scenario, choose appropriate link types and redundancy solutions
Use best practices for IP addressing and OSPF routing when implementing a network design

Audience:
This course is intended for network or systems administrators, network engineers, and consultants who plan to deploy HPE Comware 7 switches into a new or existing network.

Plan szkolenia:

- Introduction
  - Welcome to Configuring HPE FlexFabric Technologies for Comware Devices
  - Course schedule
  - Introductions

- Basic Setup
  - Accessing the console of an HPE Comware switch
  - Levels of access and privilege levels
  - CLI introduction and navigation
  - Basic configuration
  - Interface configuration
  - Troubleshooting

- Protecting Management Access
  - Applying password protection to local and remote authentication
  - Associating user roles with password and scheme authentication
  - Implementing remote management with telnet, SSH, web, and SNMP access

- Management of Software and Configuration Files
  - Understanding the boot up process of the HPE switches
  - Understanding how to use the flash file system on the HPE switches
- Upgrading the operating systems on the HPE switches
- Managing configuration files on the HPE switches

- **VLANs**
  - Reviewing VLANs and the various types of VLAN
  - Understanding when to use each of the three VLAN port types
  - Configure VLANs and assign IP addresses to VLAN interfaces
  - Implementing basic routing on directly connected VLANs
  - Verify connectivity within and between VLANs

- **IP Services**
  - Implementing DHCP server and DHCP relay on Comware switches
  - Implementing secure NTP on Comware switches
  - Understanding and configuring basic logging options
  - Implementing DNS to resolve names to addresses

- **Spanning Tree Protocol**
  - Overview of pre-2004 IEEE 802.1D standard
  - Overview of RSTP
  - Overview of PVST+
  - Overview and configuration of MSTP on Comware switches
  - Configuration of STP security features on Comware switches

- **Link Aggregation**
  - Reviewing problems with STP and load sharing with STP
  - Introducing link aggregation
  - Comparing and contrasting the different link aggregation types
  - Configuring and verifying link aggregation on Comware switches

- **IP Routing**
  - VLANs and routing
  - Static routing
  - Dynamic routing with RIP
  - Dynamic routing with OSPF
  - Single area OSPF configuration

- **Intelligent Resilient Framework (IRF)**
  - Understanding the technologies and concepts involving IRF
  - Understanding the advantages that IRF provides
  - Describing a split stack and how the Multi-Active Detection (MAD) protocol deals with this problem
  - Configuring a simple IRF topology
Verifying and troubleshooting an IRF topology

Wymagania:

This course is recommended for students who need to deploy HPE FlexFabric technologies based on Comware. It does not require completion of any previous HPE networking courses

- Network experience is required

Poziom trudności

Certyfikaty:

After completing the course, participants receive a certificate of completion of an authorized HP course.

Prowadzący:

Authorized HP Trainer.