



HPE Core/Distribution Network Technologies using Comware Software HK742S

HPE course number	HK742S
Course length	5 days
Delivery mode	ILT
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The HPE Core/Distribution Network Technologies using Comware Software course prepares learners on how to implement HPE Comware products into network solutions based on HPE FlexNetwork architecture.

Course description

The HPE Core/Distribution Network Technologies using Comware Software course describes techniques for designing and implementing resilient switched and routed converged networks based on the HPE Comware switches.

The HPE Comware switches play an important role in the HPE FlexNetwork, the only converged networking architecture that spans from the virtualized data center to the virtual workplace for cloud, multimedia, and mobile services with integrated security solutions. This training will provide network engineers and technicians with the knowledge and skills necessary to configure HPE Comware switches supporting network redundancy at Layer 2 and Layer 3, networks supporting IPv4 and IPv6 as well as OSPFv2 and OSPFv3 and IP multicast routing supported network systems. Intelligent Resilient Framework (IRF) will also be covered in this training. This course prepares candidates for the Accredited Solutions Expert (ASE) certification within the HPE ExpertOne program.

in the A-Series switches such as IPv6 routing. Also an introduction to BGP is included in this new version.

Furthermore this new version includes information on the A-Series switch architecture. The courseware provides an in-depth technical background on the covered topics.

Audience

Professionals who design, implement, and support enterprise level network solutions based on HPE Comware switches and technologies, including systems engineers, systems designers, customer IT staff, HPE services field and call center support engineers.

Certifications and related examinations

- HPE ASE—FlexNetwork Integrator
- HPE0-Y47—Deploying HPE FlexNetwork Core Technologies.

What's new

This version of the HPE Core/Distribution Network Technologies using Comware Software course covers IPv6 features available

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Prerequisites

Required:

- HPE Access Layer Network Technologies using Comware Software, Rev 10.41 (ILT)
- HPE Switching and Routing Technologies, Rev. 10.41 (WBT)

Recommended:

- Basic knowledge on dynamic routing protocols, redundancy protocols and multicasting protocols is recommended, but not required.

Is highly recommended that the candidate is familiar with:

- How to perform basic configuration and switch setup on HPE Comware switches
- How to configure Layer 2 technologies such as STP, Link Aggregation and VLANs on HPE Comware switches
- How to configure basic IP Routing like static routing and RIP on HPE Comware switches
- How to configure IRF on HPE Comware switches

Benefits to you

This training prepares learners on how to implement HPE Comware products into network solutions based on HPE FlexNetwork architecture.

Detailed course outline

Module 1: Topics covered

After completing this course, you should be able to:

- Deploying and configuring HPE A-Series
- Designing, implementing, and troubleshooting routed and bridged networks using industry-standard protocols, focusing on OSPF, VRRP, and MSTP
- Designing and implementing “triple play” networks using HPE prioritization and QoS features
- Designing and implementing networks via the following multicasting technologies; IGMP, PIM Dense, and PIM Sparse
- Designing and implementing IPv6 and OSPFv3
- Designing and implementing IRF.

Next steps

- Accelerated Interoperability and Troubleshooting HPE Networks—HL039S
- Building HPE FlexFabric Data Centers—H8D03S

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