Hewlett Packard Enterprise

HPE Networking Technologies Fast Track using Comware Software HK816S

HPE course number	HK816S
Course length	5 days
Delivery mode	ILT
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The HPE Networking Technologies Fast Track using Comware Software is a 5-day remote delivery instructor-led training course. It is a fast track of the Migrating to HPE Networks A-Series Products course and the full version of the Advanced Enterprise Networks course. At the end of the course, students will possess the necessary skills to migrate to an HPE Networks A-Series data center solution, building on knowledge they have from Cisco.

Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)[2]
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

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

Audience

Customers and Partners who will install, configure, and maintain HPE Networking solutions.

Certifications and related examinations

- HPE ASE—Network Infrastructure (2011)
- HPE0-Y43—Implementing HPE Network Infrastructure Solutions

Prerequisites

This course requires that students use their existing theoretical and practical LAN/WAN knowledge to complete hands-on activities. Those that hold a CCNP or CCIE or have equivalent Cisco product and technology specific knowledge such as OSPF, QoS, BGP, MPLS, and IPv6 will be best able to complete this course.

Course objectives

Upon successful completion of this course, the students will have the demonstrated ability to migrate from Cisco routing/switching environment to an HPE Networking A-Series routing/switching environment. Most particularly, they will master the deployment and configuration of the following protocols and services:

- Configuring and designing HPE Networking A-Series LAN/WAN solutions
- Routing, Switching, Routing Information Protocol (RIP), Open Shortest Path First (OSPF), quality of service (QoS), Border Gateway Protocol (BGP), MPLS, IPv6, IS-IS, VPLS
- STP, RSTP, MSTP, access control list (ACL), network address translation (NAT) and Virtual Router Redundancy Protocol VRRP
- Differentiate the various routing/switching implementation between the two vendors
- Realize the benefits of non-propitiatory technologies
- Troubleshooting

Detailed course outline

Module 1: Topics Covered

- Identify features and hardware modules used
- Understand the hardware architecture of the HPE Networking A-Series routers and switches
- Understand various routing and switching implementations. HPE Education services are governed by the HPE Education Services Terms and Conditions
- Configure virtualization technology—IRF
- Design networks with RRPP (Resilient Ring Protection Protocol)
- Design and configure core and data center networks with the following protocols
  - BGP, OSPF
  - MPLS
  - VPLS
  - High Availability

Next steps

- HPE Core/Distribution Network Technologies using Comware Software, Rev. 11.41 HK742S (00646344)

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