



HPE Core/Distribution Network Technologies using ProVision Software HK741S

HPE course number	HK741S
Course length	4 days
Delivery mode	ILT
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HPE Core/Distribution Network Technologies using ProVision Software describes techniques for designing and implementing resilient switched and routed converged networks based on the HPE FlexNetwork, ProVision ASIC switches. These networks will be capable of fulfilling the “triple play” requirement of supporting voice, video, and data transmissions on a unified infrastructure.

Why HPE Education Services?

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Audience

Networking Professionals who design, deploy, manage, and configure edge solutions based on HPE FlexNetwork technologies utilizing the ProVision CLI based products.

Certifications and related examinations

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

Prerequisites

Required:

- HPE Access Layer Network Technologies using ProVision Software HK651S (ILT or VILT) or equivalent networking experience

Recommended:

- HPE Switching and Routing Technology experience

Course objectives

HPE Core/Distribution Network Technologies using ProVision Software will provide network engineers and technicians with the knowledge and skills necessary to configure HPE ProVision switches supporting network redundancy at Layer 2 and Layer 3, networks supporting IPv4 and IPv6 as well as OSPFv2 and OSPFv3 and IP multicast supported network systems. The concepts presented are reinforced with hands-on experience configuring HPE FlexNetwork ProVision based ASIC switches in a lab environment.

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

Detailed course outline

Module 1: Topics covered

- HPE FlexNetwork using ProVision ASIC networking products and technologies
- Providing redundant links and default gateways with MSTP/VRRP
- Designing and implementing IPv4 networks
- Designing and implementing OSPFv2 routing
- Designing and implementing Layer 2 and Layer 3 QoS
- Designing and implementing IGMP, PIM-Sparse, PIM-Dense
- Designing and implementing QinQ
- Designing and implementing IPv6, OSPFv3, DHCPv6

Next steps

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

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