



HPE Core/Distribution Network Technologies using ProVision Software HK741S

| | |
|---|--------------------------|
| HPE course number | HK741S |
| Course length | 4 days |
| Delivery mode | ILT |
| View schedule, local pricing, and register | View now |
| View related courses | View now |

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?

- 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

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

Learn more at
hpe.com/ww/learnnetworking

Follow us:



© Copyright 2015–2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries and is used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community. Pivotal and Cloud Foundry are trademarks and/or registered trademarks of Pivotal Software, Inc. in the United States and/or other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. All other third-party trademark(s) is/are property of their respective owner(s).

c04588423, December 2016, Rev. 1