



Course overview

HP Fast Track for Network Technologies using ProVision Software (HL321s)

This course is an accelerated combination of HP Access Layer Network Technologies using ProVision Software (HK651s) and HP Core/Distribution Network Technologies using ProVision Software (HK741s).

Course Description

The HP ProVision Access Layer Fast Track Networks takes from getting started with the HP ProVision switches, and moves you from the basics to describe techniques for designing and implementing resilient switched and routed converged networks based on the HP 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.

Audience

Professionals who design and deploy SMB and enterprise-edge solutions based on HP technologies, including HP reseller systems engineers, customer IT staff, HP system engineers, HP services field and call center support engineers

Prerequisites

Recommended:

- Getting Started with HP Switching and Routing v. 10.41 (WBT)
- HP Network Design Principles (PDF)

Benefits to you

Fast Track HP ProVision Networks will provide network engineers and technicians with the knowledge and skills necessary to configure HP 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 E-Series ProVision ASIC switches in a lab environment.

Why education services from HP?

- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Top 20 training provider and content development – www.TrainingIndustry.com

Course title:	HP Fast Track for Network Technologies using ProVision Software
HP product number:	HL321s
Category/Subcategory:	HP Networking
Course length:	5 days, 50% lecture and 50% lab activities
Level:	Intermediate
Delivery language:	English
To order:	You can order this course online at http://www.hp.com/learn/networking . At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

- Award winning Virtual classrooms (SmallBiz Windows Collaboration Product of the Year 2010) and Virtual Labs for a real hands-on experience
- Global training with more than 90 training locations worldwide
- Comprehensive curriculum of job-specific training leading to vendor certification
- More than 30 years of Education Consulting
- Unmatched technical expertise and support for HP products and technologies
- Training you need, when and where you need it with our Virtual Instructor Led Training (VILT, formerly RAIL)

Detailed course outline

Topics Covered

- Configure basic setup parameters
- Configure and verify VLANs and IP Services
- Configure static routes

- Configure and verify Link Aggregation
- Configure Spanning Tree
- 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

For more information

To locate country contact information and to learn more about education services, please visit our worldwide web site at **<http://www.hp.com/learn/networking>**.

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