



Course overview

Accelerated Migrating and Troubleshooting HP Enterprise Networks
(HL040_00314301)

The Accelerated Migrating & Troubleshooting HP Enterprise Networks course is a 5-day course combining the Troubleshooting HP Enterprise Networks and Migrating to an Open Standards Network courses. The course focuses on the advantages of using open-standard protocols on contemporary networks. It teaches network designers and network engineers how to migrate proprietary protocols to open-standard protocols and then helps them develop migration strategies that reduce both risk and downtime.

Additional course description

The Troubleshooting HP Enterprise Networks part of this accelerated course focuses on the advanced switching and routing features required in enterprise level networks. It teaches based on an established troubleshooting methodology support engineers and network engineers how to troubleshoot enterprise level networks based on established core and backbone Layer-2 and Layer-3 technologies such as MPLS and BGP4.

This course is equivalent to The Learning Center 00314301 Accelerated Migrating & Troubleshooting HP Enterprise Networks course from the ExpertOne program

Audience

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

Certifications and Related Examinations

- HP Master ASE - Wireless Networks Integrator V1
- HPO-Y27: Deploying HP Enterprise Wireless Networks

Course title:	Accelerated Migrating and Troubleshooting HP Enterprise Networks
HP product number:	HL040_00314301
Category/Subcategory:	HP Networking
Course length:	5 days
Level:	Advanced
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.

Prerequisites

To attend the Accelerated Migrating & Troubleshooting HP Enterprise Networks course it is recommended that the candidate has one of the following active certifications:

- HP ProCurve MASE Campus LANs [2010]
- HP ASE NI [2011]
- CCIE Routing & Switching
- H3CSE

Course objectives

After completing this course, you should be able to:

- Identify the proprietary Layer 2 and Layer 3 protocols being used.
- Migrate the network to the open-standards counterpart for each proprietary protocol.
- Develop step-by-step migration strategies for networks while reducing potential downtime
- Upgrade existing access-layer, distribution, and core switches, based on the Layer 2 or Layer 3 protocols they support
- Troubleshoot enterprise level networks running advanced routing and switching protocols like BGP and MPLS, including L2VPN and L3VPN

Why education services from HP?

- Unmatched technical expertise and support for HP products and technologies
- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Comprehensive curriculum of job-specific training leading to vendor certification
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Top 20 training provider and content development – www.TrainingIndustry.com
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide
- Award winning Virtual classrooms (SmallBiz Windows Collaboration Product of the Year 2010) and Virtual Labs for a real hands-on experience

Next steps

- HP Enterprise Wireless Networks, Rev.12.21 (HL047_00435092)

Detailed course outline

Migrating a Cisco Network to Open Standards

Migrating Edge Devices

- Migrating the Edge in a Cisco Network
- Converting the Configuration of a Cisco Edge Device to an HP Device (optional lab)

Migrating and Expanding the Distribution Layer with HP A-Series

- Migrating a Distribution Layer from Cisco to HP A-Series Devices

Migrating and Expanding the Distribution Layer with HP E-Series

- Migrating a Distribution Layer from Cisco to HP E-Series Devices

Migrating Border Gateway Protocol

Troubleshooting Methodologies and Practices

Intelligent Resilient Framework

- IRF Troubleshooting and Problem Resolution

BGP Troubleshooting and Problem Resolution

MPLS L3VPN

- MPLS L3VPN Troubleshooting and Problem Resolution

Rapid Ring Protection Protocol—Basic Concepts

- RRPP Troubleshooting and Problem Resolution

MPLS L2VPN

- MPLS L2VPN Troubleshooting and Problem Resolution

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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HL040s E.00 - Rev. 11.31

