



Course overview

HP Networking Interoperability (HK656_00293859)

The HP Networking Interoperability course helps network engineers design and implement multivendor networks that include HP A-Series, HP E-Series, and Cisco switches. The course focuses on the key differences between platforms, such as VLAN configuration, Spanning Tree Protocol (STP), Open Shortest Path First (OSPF), link aggregation, and Network Address Translation (NAT). Network engineers will learn how to identify compatibility problems and evaluate the pros and cons of each possible solution for a given network environment.

Course description

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This course is equivalent to The Learning Center 00293859 HP Networking Interoperability course from the ExpertOne program

Audience

Professionals who design, implement, and maintain network solutions based on HP and Cisco technologies, including systems engineers, systems designers, customer IT staff, HP services field and call center support engineers.

Certifications and Related Examinations

- HP ASE - Network Infrastructure [2011]
- HP0-Y32 Designing & Troubleshooting Open Standards Networks

Prerequisites

Required:

- Implementing HP E-Series Networks or Implementing A-Series Networks, or Cisco CCNP level training.

Course title:	HP Networking Interoperability
HP product number:	HK656_00293859
Category/Subcategory:	HP Networking
Course length:	4 day ILT, 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.

Benefits to you

HP Networking Interoperability outlines the key differences between HP A-Series, E-Series, and Cisco switches and helps network engineers understand the issues that can arise when these switches are operating on the same network. By designing solutions in class and practicing implementation through hands-on labs, network engineers learn how to design and configure highly functional multivendor networks. They also learn how to identify and resolve problems on existing multivendor networks.

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)
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Top 20 training provider and content development – www.TrainingIndustry.com
- Comprehensive curriculum of job-specific training leading to vendor certification
- Global training with more than 90 training locations worldwide
- More than 30 years of Education Consulting
- Award winning Virtual classrooms (SmallBiz Windows Collaboration Product of the Year 2010) and Virtual Labs for a real hands-on experience

Next steps

- Troubleshooting HP Networks (HK655_00249474)

Detailed course outline

Topics covered

Areas of interoperability on multivendor networks:

- Multiple Spanning Tree Protocol (MSTP)
- Rapid Spanning Tree Protocol (RSTP)
- Differences between Per VLAN Spanning Tree Plus (PVST+) and MSTP
- Management of HP A-Series, HP E-Series, and Cisco switches
- VLAN configuration on HP A-Series, HP E-Series, and Cisco switches
- Aggregated links between HP switches and Cisco switches
- Network Address Translation (NAT)
- Quality of service (QoS) for proper traffic prioritization
- Host Standby Router Protocol (HSRP) and Virtual Router Redundancy Protocol (VRRP)

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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