

HPE Networking Interoperability HK656S (00293859)

HPE course number	HK656S
Course length	4 days
Delivery mode	ILT
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The HPE Networking Interoperability course helps network engineers design and implement multivendor networks that include HPE A-Series, HPE 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.

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Course description

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

Audience

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

Certifications and related examinations

- HPE ASE—Network Infrastructure (2011)
- HPE0-Y32 Designing and troubleshooting Open Standards Networks

Prerequisites

Required:

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

Benefits to you

HPE Networking Interoperability outlines the key differences between HPE 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.

Detailed course outline

Module 1: 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 HPE A-Series, HPE E-Series, and Cisco switches
- VLAN configuration on HPE A-Series, HPE E-Series, and Cisco switches
- Aggregated links between HPE 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)

Next steps

- Troubleshooting HPE Networks
HK655S (00249474)

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