

Deploying the Mobile-First Campus using ArubaOS-Switches

Hersteller-ID: H0LK6S

Trainings-ID: H0LK6S

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Das nehmen Sie mit

This course introduces network professionals to the basic features of modern networks such as VLANs, redundancy technologies such as MSTP, Backplane Stacking, link aggregation technologies like LACP, static IP routing, and dynamic routing with OSPF, ACLs, Multicast, and an introduction to BGP.

The learner will experience both theory and hands on experience utilizing real hardware for lab exercises through our remote lab facility. The learner will configure and monitor ArubaOS-Switch products using open standard technologies. You will work with layer 2 technologies, such as Multiple Instance Spanning Tree (MSTP) and Link-Aggregation (Trunks). You will also learn about Backplane Stacking. Layer 3 technologies, such as static routes, Open Shortest Path First (OSPF) with Multi-Area implementations, and Border Gateway Protocol (BGP), along with multicast solutions leveraging Protocol independent Multicast (PIM) both dense and sparse modes.

Nach Abschluss dieses Seminars haben die Teilnehmer Wissen zu folgenden Themen:

- Protect devices with local and remote authentication using telnet, SSH, web, and SNMP access
- Navigate the ArubaOS-Switch CLI and manage the flash file system
- Upgrade the ArubaOS-Switch switch operating system
- Configure VLANs on ArubaOS-Switches
- Implement basic routing on directly connected VLANs or links
- Configure a ArubaOS-Switches for DHCP server and DHCP relay

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- Interpret ArubaOS-Switches logs
- Understand how different varieties of spanning tree are implemented on ArubaOS-Switches
- Configure multiple spanning tree and apply STP security features
- Differentiate between static and dynamic link aggregation
- Configure and troubleshoot link aggregation on ArubaOS-Switches
- Identify applications for static and dynamic routing
- Configure single-area OSPF routing
- Understand the basic operation of HPE's Backplane Stacking technologies
- Configure and verify a simple backplane stacking topology
- Differentiate applications for two-and three-tier network designs
- Identify an appropriate VLAN design based on a given scenario
- Based on a given scenario, choose appropriate link types and redundancy solutions
- Use best practices for IP addressing and OSPF routing when implementing a network design

Zielgruppen

IT professionals who will deploy and manage networks based on HPE's ArubaOS-Switches



Termine & Optionen

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