

Advanced Campus Access for Switching, Rev. 23.41

Course description

This course covers the highest level of expertise for HPE Aruba Networking wired and wireless solutions, including the ability to implement and optimize enterprise-level HPE Aruba Networking campus access solutions. Attending this training will enable you to interpret complex network architectures and customer requirements to implement, monitor, troubleshoot, and optimize multi-vendor network solutions. The course focuses on switching (80%) and mobility (20%) through approximately 30% of lectures and 70% of hands-on lab scenario-based exercises.

Training attendees are encouraged to use critical thinking skills to resolve complex issues in the environment that are beyond the expertise of the professional-level integrator. While performing primary tasks, candidates will also need to demonstrate the highest level of strategic thinking and problem-solving.

Ideal candidate for this course

Typical candidates for this course have 5+ years of experience with complex networks, mastery of configuration, and troubleshooting. They are very familiar with HPE Aruba Networking wired and wireless solutions, including the ability to implement and optimize enterprise-level HPE Aruba Networking campus access solutions.

Course ID	0001203923
Course format, Typical duration	Select one: VILT - Virtual Instructor Led, 5 days ILT - Instructor Led, 5 days
Skill level	Advanced (ADV)
Delivery languages	English
Lab required	Yes
Related certifications	<ul style="list-style-type: none"> HPE Aruba Networking Certified Expert - Campus Access Switching
In preparation for these exams	Selected items from this course are included in these exams: <ul style="list-style-type: none"> HPE Campus Access Switching Expert Practical Exam HPE Campus Access Switching Expert Written Exam
Register for this course. Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.	

Suggested prerequisites

The suggested prerequisites for this course are to attend the Implementing Aruba Campus Access Solutions course or pass the Aruba Certified Professional - Campus Access (ACP - Campus Access) certification exam.

Topics

- **Troubleshooting overview**
 - Troubleshooting methodologies
 - Debug commands
 - Packet capture
 - IP SLA
 - NAE
- **VSX & L2 Technologies**
 - VSX
 - MC-LAG
 - VSX-MAD
 - VSX Advanced features
 - VSX Troubleshooting
- **L3 Routing - OSPF**
 - Static routing
 - OSPF Single-Area
 - OSPF Multi-Area
 - OSPF Advanced features

- OSPF Troubleshooting
- **BGP**
 - BGP Concepts
 - BGP Advertisements
 - BGP Metrics and tuning
 - Route Control
 - BGP Troubleshooting
- **IP Multicast**
 - IGMP
 - PIM-SM
 - PIM-DM (only theory)
 - Troubleshooting
- **QoS**
 - Traffic Classification
 - Marking
 - Traffic Scheduling
 - Remarking
- **Gateway Deployment**
 - ZTP
 - OTP
 - Manual Activate
 - Forwarding modes
 - Tunneled mixed
 - Local VLANs
 - VLAN decision rules for local forwarding
- **Wired & Wireless Access Control**
 - 802.1X review
 - Describe options for Wired user role configuration
 - MAC authentication
 - Dot1x authentication
 - Concurrent authentication / priority
 - Special Roles
 - Special Cases
 - Troubleshooting
- **UBT**
 - Wired Authentication with the Gateway
 - Wired zones (gws)
 - UBT modes 1.0 / 2.0
- **Security**
 - Authentication caching / survivability
 - Securing and hardening network devices
 - Admin authentication
- **Building a VXLAN tunnel and use GBP**
 - Introduction
 - Static VXLAN (no EVPN)
 - GBP principle
 - Aruba Role configuration with GBP
 - Integration with Aruba Gateway
 - Orchestration with NetConductor
- **Mini-mock & Trouble Tickets**

Objectives

After you successfully complete this course, expect to be able to:

- Describe and execute best practice troubleshooting principles for a give scenario
- Use a proven problem-solving methodology
- Describe REST API, NAE, IP SLA, SNMPv3 and NetEdit troubleshooting tools
- Configure, validate and troubleshoot Network Virtualization features
- Configure and validate PBR
- Deploy and troubleshoot multi-area OSPF
- Deploy and troubleshoot BGP
- Deploy and troubleshoot Route Redistribution
- Deploy and troubleshoot VRF and Route Leaking
- Deploy and troubleshoot Multicast
- Deploy and troubleshoot QoS
- Deploy and troubleshoot Dynamic Segmentation
- Deploy and troubleshoot Network Security
- Deploy and troubleshoot IPv6
- Perform limited implementations and troubleshoot enterprise Aruba campus access wireless networks, remote-access, and multi-tenant environment.
- Configure and validate Aruba WLAN secure employee and guest solutions.
- Implement advanced services and security solutions.
- Manage and monitor Aruba the wireless pieces of the campus access solutions.
- Perform some advanced troubleshooting.

How to register

Click on this link to register for this course: <https://certification-learning.hpe.com/tr/TrainingCalendar?excludePartners=false&CourseId=0001203923>

Policies, fees and cancellations

Course fees may vary. Fees are established and collected by the training center that delivers the course. Cancellation fees may apply. Contact your HPE Authorized Training Partner for their respective policies.

For more information

[Contact our program](#)

© Copyright 2025 Hewlett Packard Enterprise. The information contained herein is subject to change without notice. The only warranties for HPE products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HPE shall not be liable for technical or editorial errors or omissions contained herein.

Information is as of January 2024, Revision 2