

Campus Access Fundamentals, Rev. 26.31

Course description

This course builds the foundational knowledge, skills, and hands-on experience needed to configure and manage modern, open standards-based network solutions using HPE Aruba Networking wired, wireless, security, and management technologies. Topics include redundancy and resiliency features such as Multiple Spanning Tree Protocol (MSTP), loop protection, link aggregation (including LACP), and switch virtualization with HPE's Virtual Switching Framework (VSF). The course is delivered as approximately 60% lecture and 40% hands-on labs focused on implementing and validating small-to-medium enterprise network solutions. This five-day course prepares you for the HPE Aruba Networking Certified Associate - Campus Access exam.

Course ID	0001215478
Course format, Typical duration	Select one: ILT - Instructor Led, 5 days VILT - Virtual Instructor Led, 5 days
Skill level	Entry (ENT)
Delivery languages	English
Lab required	Yes
Related certifications	HPE Aruba Networking certified associate - Campus access
In preparation for these exams	Selected items from this course are included in these exams: HPE Network Campus Access Associate 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.	

Ideal candidate for this course

Ideal candidates for this course are people who need practical entry-level skills to design, configure, operate, or support modern campus LANs built with HPE Aruba Networking wired, wireless, security, and management products. Typical roles include: junior engineer, level 1 support, network operations engineer, and network technician.

Suggested prerequisites

- Introduction to HPE Aruba Networking Solutions
- Campus Access Design Essentials
- HPE Aruba Networking Campus Access Essentials

Topics

- **Introduction to HPE Aruba Networking Central**
 - Onboard devices in HPE GreenLake
 - Navigation
 - Hierarchy
 - Device functions
- **Device management**
 - API, CLI, and GUI configuration methods
 - Elements of device configuration
 - Configuration profiles
 - System configuration of a device
- **Switch connectivity fundamentals**
 - LANS and VLANs
 - Creating VLAN profiles
 - Switch port configuration
- **Loop prevention**
 - Loop prevention mechanisms
 - Configuring loop prevention mechanisms

- LAG concepts and prerequisites
- LAG configuration
- **Switch high availability**
 - Introduction to VSF
 - VSF configuration and management
 - VSF monitoring and troubleshooting
 - Introduction to VSX
 - Deployment scenarios
- **Layer 3 services**
 - Layer 3 routing
 - Layer 3 services
- **Routing fundamentals**
 - Introduction to routing
 - Static routes
 - Routing protocols
 - OSPF
- **AOS-10 architecture and bridged WLAN**
 - AOS-10 architecture
 - Bridge mode WLAN
 - AP uplink profile
 - Monitoring bridged clients
- **User roles**
 - User roles overview
 - Rules and policy application
 - Access and application roles
 - Aliases
- **Network security**
 - Introduction to AAA
 - 802.1X authentication
 - Roles and rules
 - Captive portal
 - Deployment overview
- **User Experience Insight**
 - UXI overview
 - UXI dashboard
 - UXI integration with HPE Aruba Networking Central
- **Floor Plan Manager and topology**
 - Floor Plan Manager
 - Floor plan dashboard
 - Topology
- **Monitoring**
 - Monitoring with HPE Aruba Networking Central
 - LED status
 - Simple Network Management Protocol
- **Troubleshooting using HPE Aruba Networking Central**
 - Troubleshooting methodology
 - Tools and resources
 - Audi Trail for troubleshooting
 - AI Insights recommendation

- Alerts
- **Administration**
 - Identity and access control
 - User audit logs
 - Certificate management
 - Manage reports
- **Network design**
 - Gathering information
 - RF planning
 - Wired considerations

Objectives

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

- Describe the architecture, components, and core features of HPE Aruba Networking campus access solutions, and explain how HPE GreenLake and HPE Aruba Networking Central fit into the overall offering.
- Configure and manage HPE Aruba Networking devices and services using CLI, GUI, and HPE Aruba Networking Central.
- Diagnose connectivity, performance, and authentication issues to leverage appropriate resources.
- Produce and validate low-level designs and implementation readiness artifacts from high-level designs and site surveys.
- Demonstrate effective use of HPE Aruba Networking Central features to configure, manage, monitor, and troubleshoot.

How to register

Click on this link to register for this course: <https://certification-learning.hpe.com/tr/TrainingCalendar?excludePartners=false&CourseId=0001215478>

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

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