HPE Aruba Networking Central Boot Camp (ANCBC)

ID ANCBC **Price** CHF 4,950.—(excl. VAT) **Duration** 5 days

Who should attend

Ideal candidates for this course typically include networking professionals who are looking to explore HPE Aruba Networking Central cloud-based networking solutions and want to understand its features, functionality, and management tools.

This course is part of the following Certifications

HPE Advanced Product Certified - HPE Aruba Networking Central (AAPC-ANC)

Prerequisites

- Basic understanding of networking concepts, including switching, VLANs, IP addressing, and routing fundamentals.
- Familiarity with enterprise network environments, such as wired and wireless LAN infrastructures.
- General knowledge of network management tools and web-based interfaces, with prior exposure to network monitoring or administration being beneficial.

Course Objectives

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

- Explain the relationship between HPE GreenLake and HPE Aruba Networking Central and their use for cloud-based network management.
- Apply HPE Aruba Networking Central architecture and features to address modern network needs.
- Implement HPE Aruba Networking Central floor plan management.
- Explore HPE Aruba Networking Central API capabilities.
- Utilize the comprehensive monitoring, reporting, and troubleshooting functionalities of HPE Aruba Networking Central.
- Explore switch management options on HPE Aruba Networking Central.
- Perform AOS-CX switch onboarding.
- Configure and manage AOS-CX switches.
- Configure switch features necessary for a branch office or a single building network.
- Monitor and troubleshoot a wired network using HPE Aruba Networking Central.
- List the features in AOS-10.
- Create groups and users.
- Add and configure access points and gateways.
- Describe and configure tunnel forwarding modes.
- Describe and configure microbranch.
- Describe and implement cloud services.

Course Content

HPE Aruba Networking Central overview

- HPE GreenLake architecture
- HPE Aruba Networking product portfolio
- Switch management overview
- Monitoring and troubleshooting features

HPE Aruba Networking Central architecture

- Navigation
- Hierarchy

Floor Plan Manager and topology

Monitoring HPE Aruba Networking Central

- Monitoring sites
- Network monitoring
- Client monitoring
- Application monitoring

Troubleshooting

- Methodology
- Tools and resources
- Audit Trail
- AI Insights
- Alerts

HPE Aruba Networking Central API capabilities

- API overview
- REST API overview
- Generating and managing access tokens
- Make API calls in the HPE Aruba Networking Developer

Hub

Administration and reporting

- Identity and access control
- Resource restrictions policy
- User audit logs
- Certificate management
- Manage reports

Basics of switch management

- Onboarding a switch
- Switch configuration profiles
- API and GUI

Switch system configuration

- Common system configurations
- Source interface and SNMP configuration
- Switch administration and system details
- Switch firmware recommendations

Configuring VLANs

- LANs and VLANs
- Creating a VLAN profile
- Named VLAN profile

Ports and link aggregation

- LAG concepts and prerequisites
- Switch port configuration
- LAG configuration

Loop prevention methods

- Loops in a network switch
- Loop prevention mechanisms
- STP anomaly recommender

Switch high availability

- Introduction to VSF
- VSF configuration and management
- VSF monitoring and troubleshooting
- HPE Aruba Networking Virtual Switching eXtension

Configuring SVIs

- Routing
- Layer 3 routing
- Layer 3 analysis
- Inter VLAN routing and multilayer switch
- Multilayer interface type
- Configuring SVI in HPE Aruba Networking Central

Routing fundamentals

- Introduction to routing
- Static routes
- Virtual Routing and Forwarding

WLAN fundamentals and RF basics

- RF bands and channels
- 802.11 standards and amendments
- RF basics
- Antenna technology
- Radio technologies
- RF transmit power
- WLAN mobility

HPE Aruba Networking security-first, AI-powered networking

- Network challenges at the edge
- AI-powered analytics
- Built-in security
- Automation and orchestration

AOS-10 architecture

- Product line
- Supported hardware

AOS-10 access points

- Difference from Instant APs
- What is AirMatch?
- What is ClientMatch?
- Groups
- Configuring WLAN on AOS-10 APs only
- Monitoring

HPE Aruba Networking user roles

- HPE Aruba Networking firewall
- Roles, policies, and rules
- Role derivation example
- Identity-based HPE Aruba Networking firewall
- Access control rules
- Application rule
- Aliases
- Global and WLAN policies

Deployments with gateways

- When to use gateways

- AOS-10 gateway modes
- AP to gateway connections
- Tunnel orchestration
- Switch to gateway connections
- Gateway to gateway tunnels
- Gateway cluster
- Cluster configuration
- Cluster monitoring
- Deployment with gateways

Tunnel forwarding mode

- Tunnel orchestrator
- Configuring tunneled SSIDs
- Mixed forwarding mode

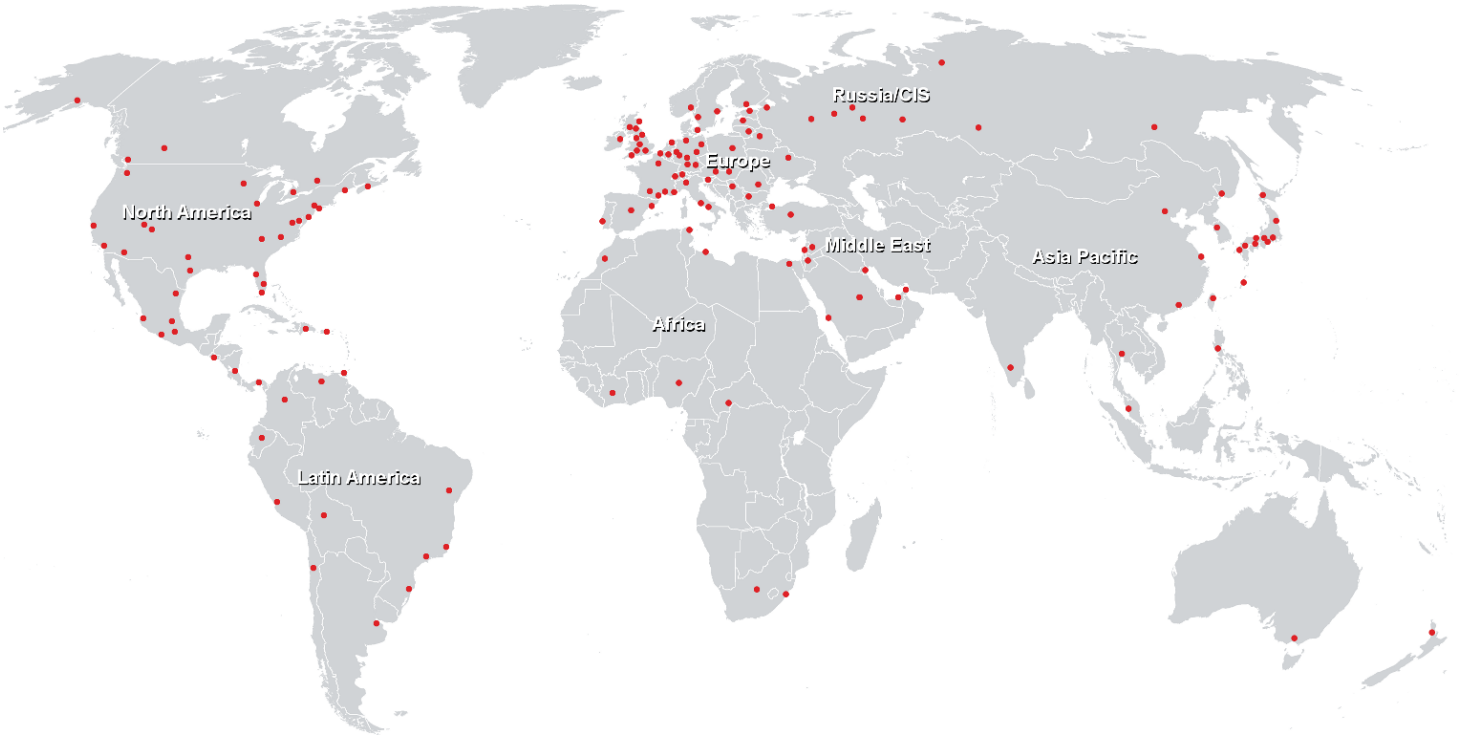
Microbranch

- Microbranch configuration
- Policy-based routing

Cloud services

- WAN link bandwidth requirement
- Live upgrade service
- AP upgrade
- Gateway upgrade
- Key management
- HPE Aruba Networking Central licensing

Training Centres worldwide





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