Advanced Campus Access for Switching (AACAS)

ID AACAS **Price** 4,950.— €(excl. VAT) **Duration** 5 days

Who should attend

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.

This course is part of the following Certifications

HPE Aruba Networking Certified Expert - Campus Access Switching (ACX-CAS)

Prerequisites

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

Course 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.

Course Content

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

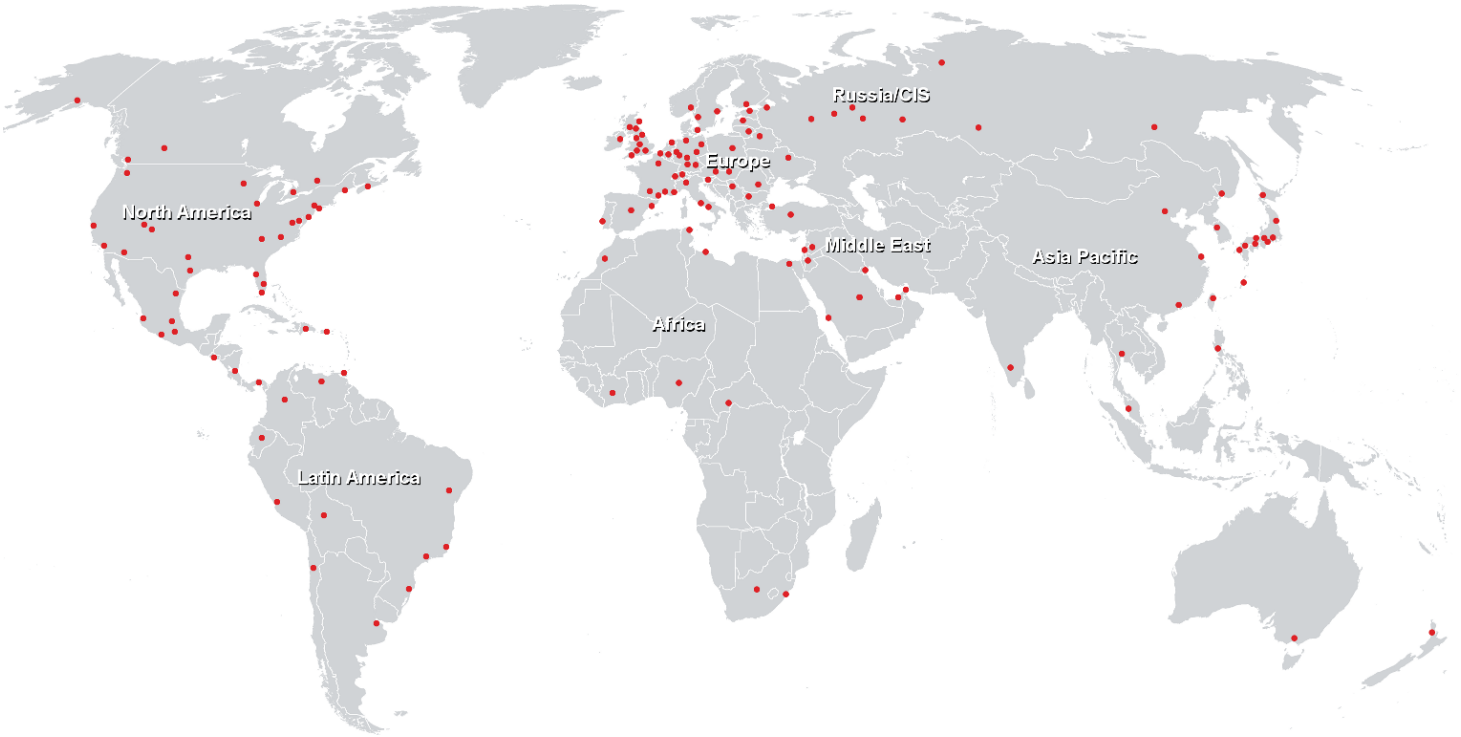
- Authentication caching / survivability
- Securing and hardening network devices
- Admin authentication

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

Training Centres worldwide





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