

Advanced Campus Access for Switching



Online Course

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Advanced Campus Access for Switching

Course Modules

1. Troubleshooting overview

- Troubleshooting methodologies
- Debug commands
- Packet capture
- IP SLA
- NAE

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2. VSX & L2 Technologies

- VSX
- MC-LAG
- VSX-MAD
- VSX Advanced features
- VSX Troubleshooting

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3. L3 Routing - OSPF

- Static routing
- OSPF Single-Area
- OSPF Multi-Area
- OSPF Advanced features
- OSPF Troubleshooting



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4. BGP

- BGP Concepts
- BGP Advertisements
- BGP Metrics and tuning
- Route Control
- BGP Troubleshooting

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5. IP Multicast

- IGMP
- PIM-SM
- PIM-DM (only theory)
- Troubleshooting

6. QoS

- Traffic Classification
- Marking
- Traffic Scheduling
- Remarking



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7. Gateway Deployment

- ZTP
- OTP
- Manual Activate
- Forwarding modes
 - o Tunneled mixed
 - o Local VLANs
 - o VLAN decision rules for local forwarding



8. 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

9. UBT

- Wired Authentication with the Gateway
- Wired zones (gws)
- UBT modes 1.0 / 2.0



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10. Security

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

11. 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

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