Training: Aruba
Implementing Campus Access

TRAINING GOALS:

This course teaches you the advanced skills necessary to implement and operate enterprise-level Aruba Campus Access solutions. You will build on the skills you learned at the Associate level to configure, secure, and manage modern, open standards-based wired and wireless network solutions using Aruba's switching, mobility, security, and management technologies. In this course, participants learn about technologies including but not limited to: secure port access with Aruba's dynamic segmentation, redundancy technologies such as Multiple Spanning Tree Protocol (MSTP), link aggregation techniques, including Link Aggregation Control Protocol (LACP) and switch virtualization with Aruba's Virtual Switching Extension (VSX) and Aruba's Virtual Switching Framework (VSF). This course is approximately 50% lecture and 50% hands-on lab exercises.

Objectives

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

- Build a Wired Infrastructure with Aruba Switches
- Configure Aruba Switches with VSX
- Configure routing using OSPF
- Manage Aruba Switches using Aruba Central
- Deploy Aruba Gateways
- Build Aruba overlay wireless networks
- Configure Enterprise WLAN using Aruba Gateways
- Configure Guest WLAN using Aruba Gateways
- Configure PSK WLAN using Aruba Gateways
- Configure Authentication on the Wired Access Layer
- Understand Group Based Policies
- Configure security and availability features
- Monitor the network using Aruba Central
- Configure Traffic Optimization and QOS

Target Audience

The ideal candidate has 2 to 5 years' experience with Aruba portfolio and an understanding of the implications of their actions on the network, impact and risk of change management. They have a distinguished understanding of different protocols across vendors, performance optimization across

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network disciplines, and a basic understanding of API calls and configuration. They can identify and fix configuration issues.

CONSPECT:

- Introduction to Aruba Solutions
- Building the Wired infrastructure
- Building the Wireless infrastructure with Aruba Gateways
- Introducing the Aruba Tunneled WLAN Architecture
- Wireless Authentication using 802.1X
- Guest or Captive Portal
- Wireless Authentication for IOT PSK SSID
- Gateway Forwarding Modes
- Gateway Cluster Deployments
- Authentication on the Wired access layer
- Building a VXLAN tunnel and use GBP
- Security / Availability features
- Traffic optimization and QOS
- Monitoring
- Troubleshooting (to be integrated in other lab activities)

REQUIREMENTS:

It is recommended that candidates have proficient networking experience or attend Aruba's Campus Access Fundamentals to glean knowledge on Aruba's Campus Access design solution.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Aruba Networks.

This course prepares you additionally to the Aruba Certified Campus Access Professional certification exam

https://certification-learning.hpe.com/tr/datacard/Certification/ACP-CamAcss

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TRAINER:

Aruba Networks Certified Trainer.

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