

Aruba Switching Fundamentals, Rev. 16.41 - 1077931

Course Summary

Description

This course teaches you the fundamental skills necessary to configure and manage modern, open standards-based networking solutions. This course consists of approximately 20% lecture and 80% hands-on lab exercises to help you learn how to implement and validate small to medium enterprise network solutions. This 3-day course prepares network professionals for the Aruba Certified Switching Associate (ACSA) V1 exam. In this course, participants learn about ArubaOS switch technologies including: VLANs, secure access, redundancy technologies such as MSTP, link aggregation techniques including LACP, and switch virtualization with Aruba's Virtual Switching Framework (VSF). You also learn about IP Routing including static and dynamic IP routing with OSPF. This course teaches you how to deploy Aruba wireless Access Points and configure Aruba Instant Access Point (IAP) Clustering technology. It also teaches you how to configure, manage and monitor the network with the Aruba AirWave management solution.

Topics

After you successfully complete this course, expect to be able to: Explain how Aruba networking solutions meet customers' requirements Explain how Aruba AirWave provides unified wireless and wired network management Describe in-band management and out-of-band management Complete the initial setup on ArubaOS switches Control access to switches for both in-band and out-of-band management Manage software and configuration files on ArubaOS switches Explain use cases for VLANs and configure port-based VLANs on ArubaOS switches Understand and configure Rapid Spanning Tree Protocol (RSTP) Understand and configure Multiple Spanning Tree Protocol (MSTP) Differentiate between different types of link aggregation and understand the benefits of Link Aggregation Control Protocol (LACP) Configure and troubleshoot link aggregation on ArubaOS switches Configure static routes on ArubaOS switches and interpret IP routing tables Configure a basic Open Shortest Path First (OSPF) solution Describe how Virtual Switching Framework (VSF) works and the advantages that it provides Configure and verify a simple VSF fabric Describe the basics of wireless communications and 802.11 standards Define a wireless LAN (WLAN) and differentiate between wireless security options Configure basic settings on Aruba Instant APs Configure AirWave management settings on an IAP cluster Configure SNMP v2c settings on ArubaOS switches Discover ArubaOS switches in AirWave and bring switches and IAPs under monitoring and management Implement zero touch provisioning (ZTP) for Aruba IAPs and ArubaOS switches

Audience

Ideal candidates are IT Professionals who deploy small-to- medium scale enterprise network solutions based on Aruba products and technologies.

Prerequisites

For a refresh watch these videos: - HP Networking Fundamentals Video Series - OSI Model, Rev. 13.31 (course ID 00764936) - HP Networking Fundamentals Video Series - Binary, Rev. 13.31 (course ID

00764942) - HP Networking Fundamentals Video Series - Data Flows, Rev. 13.31 (course ID 00765397)
- HP Networking Fundamentals Video Series - IP Addressing, Rev. 13.31 (course ID 00766100) - HP
Networking Fundamentals Video Series - IP Subnetting, Rev. 13.31 (course ID 00764933) - HP
Networking Fundamentals Video Series - TCP/UDP, Rev. 13.31 (course ID 00765415) - HP Networking
Fundamentals Video Series - VLANs, Rev. 13.31 (course ID 00764953) - HP Networking Fundamentals
Video Series - Routing, Rev. 13.31 (course ID 00764946) - HP Networking Fundamentals Video Series -
Spanning Tree, Rev. 13.31 (course ID 00764948)

Duration

3 Days