

Managing Wired Networks with HPE Aruba Networking Central (AR-MWC)

Course Description

This course is a comprehensive 2-day program designed to equip IT professionals with the essential knowledge and skills for managing, monitoring, and optimizing wired networks using HPE Aruba Networking Central. Throughout this course, participants will focus on all aspects of implementing campus HPE Aruba Networking AOS-CX switches with HPE Aruba Networking Central. You will learn how to onboard your switches, configure various features, and effectively monitor and troubleshoot the wired network. This will be achieved through a combination of theoretical concepts, practical demonstrations, and hands-on labs. Get ready to enhance your network management skills and unlock the full potential of networking with HPE Aruba Networking Central!

Course Duration:

2 Days

Prerequisites:

The suggested prerequisites for this course are to attend the Network Management with HPE Aruba Networking Central, Rev. 25.41 course.

Objectives:

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

- 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

Course Outline:

- Introduction to switch management using HPE Aruba Networking Central
 - Overview of HPE Aruba Networking Central and HPE GreenLake
 - Introduction to switch management and troubleshooting features
- Basic of switch management
 - Switch onboarding
 - Switch configuration profiles
 - API and GUI
- Switch system configuration
 - Common system configuration
 - 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
 - LAN concepts and prerequisites
 - Switch port configuration
 - LAG configuration
- Loop prevention methods
 - Loop in a network switch
 - Loop prevention
 - Enabling Spanning Tree Protocol
 - STP anomaly recommender
- Switch high availability
 - Introduction to VSF
 - VSF configuration and management
 - VSF monitoring and troubleshooting
 - HPE Aruba Networking Virtual Switching eXtension
- Switch Virtual Interfaces
 - Routing
 - Inter-VLAN routing and multilayer switch
 - Layer 3 routing
 - Layer 3 analysis
 - Multilayer interface types
 - DHCP helper address
 - DHCP attacks
 - DHCP snooping
 - Configuring SVI and HPE Aruba Networking Central
- Routing fundamentals
 - Introduction to routing
 - Static routes
 - Virtual Routing and Forwarding

Who Should Attend

Ideal candidates are networking IT professionals or technical marketing professionals looking to expand their knowledge and skill set on the HPE Aruba Networking Central platform.