TRAINING OFFERING

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Aruba OS-CX Switching Fundamentals

CODE:	LENGTH:	PRICE:
ARU_OSCX_FUN	40 Hours (5 days)	kr40,350.00

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.

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. It also prepares candidates to take the Aruba Certified Switching Associate (ACSA) v1 certification exam.

Audience

IT professionals looking to build their networking knowledge and gain insight to campus switching solutions. That also includes Aruba Certified Mobility certification holders wanting to combine the deployment of campus switching and mobility solutions.

Prerequisites

Experience and knowledge of the OSI Model, IP Addressing and Subnetting, TCP/UDP, VLANs, Spanning Tree and Routing would be beneficial.

Programme

Introduction to Aruba, a Hewlett Packard Enterprise Company
Describe market trends that are causing customers to transform in four key Transformation Areas
Describe how Aruba delivers the digital workplace
Switch CLI (Command Line Interface) Navigation
Describe out-of-band management
Complete the initial setup on ArubaOS switches
Verify configuration
Protecting Management Access
Explanation of in-band management
Protect in-band and out-of-band management access
Configure local authentication
Control the privilege level allowed to managers
Management of Software and Configurations
Overview of ArubaOS and file structures
Different methods for setting the software from which to boot
Software update
Saving and restoring configurations
VLANS
Explain use cases for VLANs
Configure port-based VLANs on ArubaOS switches, using appropriate tagging
Implement basic IP routing between directly connected VLANs or links
Spanning Tree Protocol (STP)
Understand and configure Rapid Spanning Tree Protocol (RSTP)
Understand how Multiple Spanning Tree Protocol (MSTP) provides load sharing and implement MSTP

Link Aggregation

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

IP Routing

Configure static routes on ArubaOS switches

Interpret IP routing tables

Configure a basic OSPF solution

Virtual Switching Framework (VSF)

Understand how VSF works and the advantages that it provides

Configure and verify a simple VSF fabric

Wireless for Small-to-Medium Businesses (SMBs)

Understand the basics of wireless communications and 802.11 standards

Define a WLAN and differentiate between wireless security options

Configure basic settings on Aruba Instant Access Point (IAP)

Form an Aruba Instant cluster

Aruba AirWave

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

Session Dates

På begäran, kontakta oss

Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.