



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Implementing Aruba OS-CX Switching

CODE:	LENGTH:	PRICE:
ARU_IACS	40 Hours (5 days)	kr35,000.00

## Description

This course teaches you how to implement and operate enterprise level Aruba campus switching solutions. Hand-on labs give you experience with ArubaOS-Switches, including securing access, redundancy technologies such as Multiple Spanning Tree Protocol (MSTP), link aggregation techniques including Link Aggregation Protocol (LACP) and switch virtualization with HPE's Virtual Switching Framework (VSF).

You will also learn to configure dynamic routing with Open Shortest Path First (OSPF) and Border Gateway Protocol (BGP), network optimization via Quality of Service (QoS), IP multicast routing leveraging Protocol Independent Multicast (PIM), and protecting the network using Access Control Lists (ACLs). This course is approximately 30% lecture and 70% hands on lab exercises.

This course also prepares candidates to take the Aruba Certified Switching Professional (ACSP) v1 certification exam.

## Objectives

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

- Implement spanning tree protocol and loop protections
- Ensure redundancy for a network's default gateway by configuring VRRP on Aruba switches
- Implement and manage an VSF fabric
- Deploy ArubaOS switches in single-area and multi-area OSPF systems
- Use Internet Group Management Protocol (IGMP) to optimize forwarding of multicasts within VLANs
- Implement PIM-DM to route multicast traffic
- Establish and monitor BGP sessions between your routers and ISP routers
- Define ACLs and identify the criteria by which ACLs select traffic
- Configure ACLs on ArubaOS switches to select given traffic
- Implement 802.1X on ArubaOS switch ports

## 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

## Course Contents

Introduction to Aruba Solutions Data Link Layer Redundancy Technologies Virtual Router Redundancy Protocol (VRRP) Aruba Backplane Stacking and Advanced Virtual Switch Framework (VSF) Advanced Open Shortest Path First (OSPF) Internet Group Management Protocol (IGMP) Border Gateway Protocol (BGP) Access Control Lists (ACLs) MAC Authentication Captive Portal and Other Guest Options Integrating with Aruba Mobility Solutions Secure Device Management Quality of Service (QoS) Additional Security Features

## Session Dates

På begäran, [kontakta oss](#)

## Ytterligare information

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