Course : Aruba - AOS-CX Switching Fundamentals (CXSF)

Official AA-CXSF course, Aruba exam preparation

Practical course - 5d - 35h00 - Ref. CXS
Price : 3690 € E.T.

With this training, you'll have the skills to configure and manage modern network solutions based on open standards using HPE Aruba Networking's **AOS-CX** routing and switching technologies. You'll learn how to implement and validate network solutions for SMBs. You will learn about **AOS-CX** switching technologies such as: VLANs, redundancy technologies (MSTP), link aggregation techniques, switch virtualization with HPE Aruba Networking Virtual Switching Framework (VSF).

🎯 Teaching objectives

At the end of the training, the participant will be able to:

- ✅ Identify HPE Aruba Networking switching portfolio products for different network types and sizes
- ✅ Install devices running the HPE Aruba AOS-CX network operating system
- ✅ Configure network segmentation using VLANs, STP and LAGs
- ✅ Demonstrate network efficiency with stacking, virtualization and routing such as OSPF
- ✅ Deploy secure management and maintenance methodologies

Intended audience
IT professional with six months' network experience.

Prerequisites
Il est recommandé de posséder des connaissances de base en réseau. Le cours et la certification Aruba Certified Network Technician (ACNT) sont une excellente introduction pour ce cours.

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

Course schedule

1 AOS-CX switching portfolio

- Network designs.
- Switching portfolio.

2 Switching fundamentals

- Switching contexts.
- Command Line Interface (CLI).
- Basic configuration.

3 Virtual local area networks (VLANs)

- Domain overview - Collision and diffusion.
- Overview of LANs and VLANs.
- Introduction to the 802.1Q protocol.
- Introduction to transfer tables.

4 Multiple Spanning Tree Protocol (MSTP)

- Purpose of the Spanning Tree.
- Redundant networks.
- Spanning Tree Protocol (STP).
- Rapid Spanning Tree Protocol (RSTP).
- Multiple Spanning Tree Protocol (MSTP).

5 Link aggregation

- Overview and interface requirements.
- Static and dynamic LAGs.
- Load sharing.

6 Switch stacking and expansion

- Operational plans.
- Virtual Switching Framework (VSF).

7 Layer 3 routing

- Introduction to routing.
- IP routes and default gateways.
- Inter-VLAN routing.
- Package delivery.

8 IP routing fundamentals

- Routing principles.
- Routing tables.

- Routing protocols.

⑨ Dynamic IP routing

- Introduction to OSPFv2.
- Neighborly relations.
- OSPF network types.

⑩ Qualité de service

- Introduction to Quality of Service (QoS).
- Package classification and marking.
- Queuing.
- Flow limitation.

⑪ Network security fundamentals

- Safety fundamentals.
- Port access.
- Captive portal.

⑫ Secure management and maintenance

- Secure management.
- Secure maintenance.

Options

Certification : 460 € HT

This course prepares you for the "HPE Aruba Networking Certified Associate - Switching" and "Aruba Certified Switching Associate" certifications. This course prepares you for the updated **ACA - Switching** certification exam based on **AOS-CX** switching (HPE6-A86).

Comment passer votre examen ?

The certification option comes in the form of a voucher or invitation that will allow you to take the exam at the end of the training course.

Dates and locations

REMOTE CLASS
2026 : 22 June, 7 Dec.

PARIS LA DÉFENSE
2026 : 22 June, 7 Dec.