

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.

PARTICIPANTS

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.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

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.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

- 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.