

# Course : Aruba - Aruba Network Security Essentials (ANSF)

Official AA-ANSF course, Aruba exam preparation

*Practical course - 4d - 28h00 - Ref. AN1*

*Price : 2890 € E.T.*

With this training, you'll learn about common security threats and vulnerabilities, and important security technologies. You'll learn how to create a trusted network infrastructure with mobility solutions and HPE Aruba Networking switches. You'll learn about implementing security at the edge with AAA, basic roles and firewall policies, dynamic segmentation, endpoint classification, basic threat detection technologies, and much more.

## Teaching objectives

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

- ✓ Defining safety terminology
- ✓ Reinforcing safety devices
- ✓ Securing a WLAN
- ✓ Sécuriser un LAN câblé
- ✓ Classify endpoints
- ✓ Detecting threats
- ✓ Troubleshooting the network
- ✓ Classifying endpoints
- ✓ Performing a forensic analysis

## Intended audience

Network engineers or support technicians with six months to a year's networking experience in wired and wireless environments.

## Prerequisites

A basic understanding of networking and safety concepts is recommended for this course.

### PARTICIPANTS

Network engineers or support technicians with six months to a year's networking experience in wired and wireless environments.

### PREREQUISITES

A basic understanding of networking and safety concepts is recommended for this course.

### 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.

### 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.

## Practical details

### Teaching methods

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

## Course schedule

### 1 Security threats and Aruba's security strategy

- Threat overview.
- Stages of attack.
- Aruba's security strategy.

### 2 Security technologies

- Regulatory compliance.
- Symmetrical encryption and hash authentication.
- Asymmetrical encryption and digital certificates.
- TLS.
- Authentication, authorization, accounting (AAA).

### 3 Reinforcing AOS-CX switches

- Overview of hardening.
- Implement out-of-band management.
- Securely authenticate managers.
- Physical security and other reinforcement measures.

### 4 Strengthening of AOS systems

- Block administrative access.
- Locking services.
- Use CPSec.

### 5 Secure LAN protocols

- Spanning Tree protections.
- DHCP snooping and ARP protection.
- Secure routing technologies.

### 6 Network authentication and encryption technologies

- Network authentication.
- WLAN security, encryption and authentication.

### 7 Edge security with HPE Aruba Networking

- Apply WPA3-Enterprise.
- Apply 802.1X on the wired network.

### 8 Role-based authentication and access control system

- Role-based firewall strategy.
- Dynamic segmentation.

### 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](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## 9 Terminal identification and classification

- Introduction to terminal classification.
- DHCP Fingerprinting with ArubaOS Mobility devices.
- Aruba ClearPass Policy Manager Device Profiler.
- ClearPass Device Insight.

## 10 Branch security

- Introduction to Aruba SD-Branch solutions.

## 11 Threat detection and forensics

- Understanding forensics.
- Analyze ArubaOS WIP events.

## 12 Troubleshooting and monitoring

- Introduction to troubleshooting authentication problems.
- Using ClearPass tools to solve common problems.
- Packet Capture.
- Monitoring.

## Options

### Certification : 460 € HT

This HPE Aruba Networking Security Fundamentals, Rev. 24.41 training course teaches you the basic concepts of security and prepares you to take the exam to obtain the "ACA - Network Security" (ACA-NS) certification.

#### [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 : 30 June, 15 Dec.

### PARIS LA DÉFENSE

2026 : 30 June, 15 Dec.