

# Implementing Network Security (IANS)

ID IANS Preis 4'950.– € (exkl. MwSt.) Dauer 5 Tage

## Zielgruppe

Typical candidates for this course are network engineers responsible for implementing security controls on enterprise networks. Learners can describe the network security stack (firewall, proxy, remote access, IDS/IPS, access control, NTA, UEBA).

## Empfohlenes Training für die Zertifizierung zum

HPE Aruba Networking Certified Professional - Network Security (ACP-NS)

## Voraussetzungen

The following knowledge is recommended for this seminar:

Aruba recommends that the candidate has attended the [Network Security Fundamentals \(ANSF\)](#) course prior to attending this professional level course. Or have equivalent experience and knowledge of network security fundamentals.

## Kursziele

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

### 1. Protect and Defend

- Define security terminologies
- PKI
- Zero Trust Security
- WIPS & WIDS
- Harden devices
- Securing network infrastructure
- Securing L2 & L3 protocols
- Secure a WLAN
- Deploy AAA with CPPM
- Secure a wired LAN
- Deploy AAA with CPPM
- Deploy 802.1x
- Deploy certificate based authentication for users & devices
- Secure the WAN
- Understand Aruba's SD-Branch for automating VPN

- deployment
- Design and deploy VPN with Aruba's VIA client
- Classify endpoints
- Deploy endpoint classification to devices
- Integrate ClearPass and CPDI

### 2. Analyze

- Threat detection
- Investigate Central alerts
- Interpret packet captures Evaluate endpoint postures
- Troubleshooting
- Deploy and analyze results from NAE scripts
- Endpoint classification
- Analyze endpoint classification data to identify risks
- Analyze endpoint classification data on CPDI

### 3. Investigate

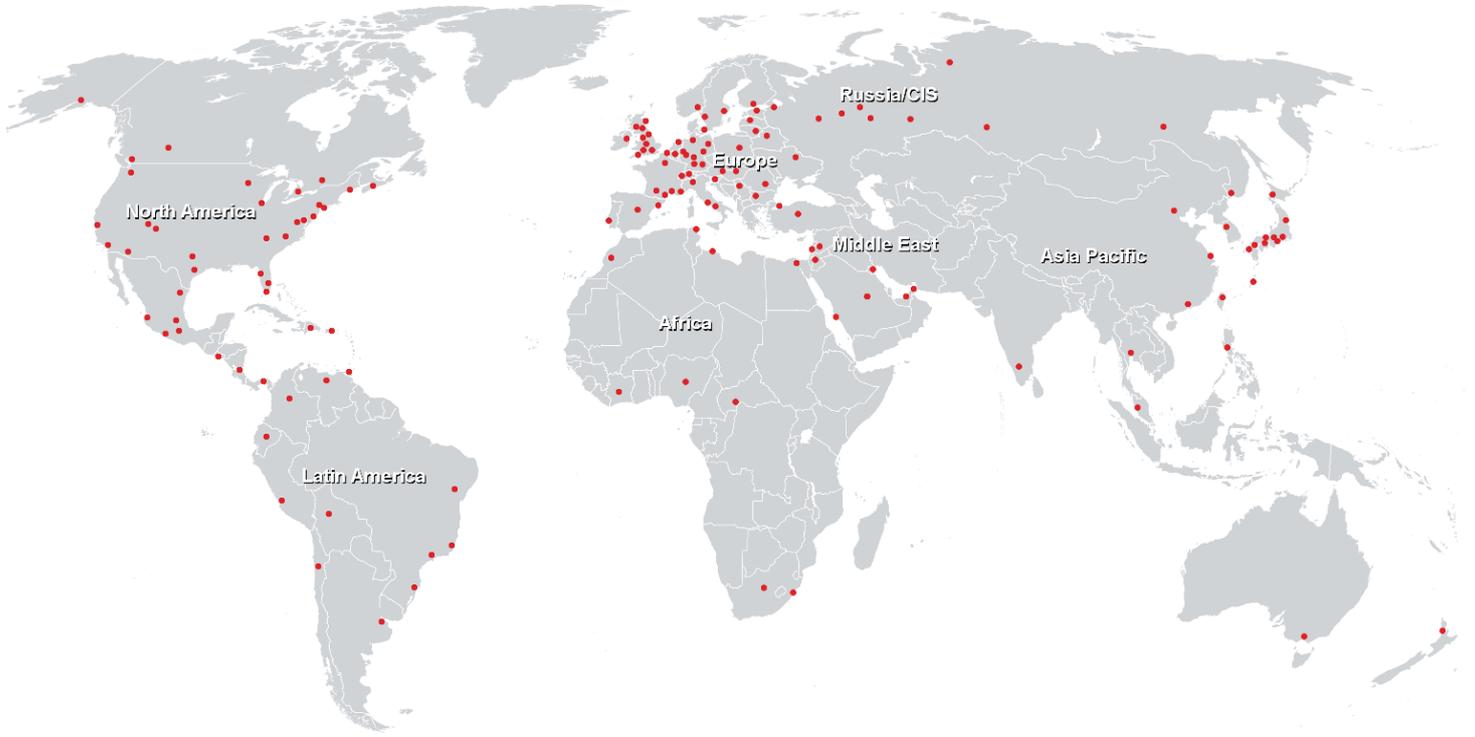
- Forensics
- Explain CPDI capabilities of showing network conversations on supported Aruba devices

## Kursinhalt

- HPE Aruba Networking Security Strategy and ClearPass Fundamentals
- Deploy Trusted Certificates
- Implement Certificate-Based 802.1X
- Implement Advanced Policies on the Role-Based AOS Firewall
- Evaluate Endpoint Posture
- Implement a Trusted Network Infrastructure
- Implement 802.1X and Role-Based Access Control on AOS-CX
- Implement Dynamic Segmentation on AOS-CX Switches
- Monitor with Network Analytics Engine (NAE)
- Implement WIDS/WIPS
- Use CPPM and Third-Party Integration to Mitigate Threats
- Implement Device Profiling with CPPM
- Device Profiling with HPE Aruba Networking
- Deploy ClearPass Device Insight
- Integrate Device Insight with CPPM
- Use Packet Captures To Investigate Security Issues
- Secure Remote and Branch Access
- Configure HPE Aruba Networking Gateway IDS/IPS

- Use HPE Aruba Networking Central Alerts

## Weltweite Trainingscenter



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

info@flane.ch, <https://www.flane.ch>