HPE Aruba Networking ClearPass Advanced Configuration (CPAC)

ID CPAC **Price** 4,950.— €(excl. VAT) **Duration** 5 days

Who should attend

Ideal candidates include network professionals who are looking to build their advanced knowledge of ClearPass.

Prerequisites

- HPE Aruba Networking ClearPass Configuration (CPC) 25.23

Course Objectives

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

- Deploy a complete and resilient Network Access Control (NAC) security solution based on HPE Aruba Networking ClearPass.
- Understand the HPE Aruba Networking ClearPass logic to handle different authentication events.
- Implement a secure network that follows the principles of the Zero Trust Security (ZTS) architecture.

Course Content

Public Key Infrastructure

- Describe PKI infrastructure
- Evaluate the advantages and disadvantages of public and private PKIs
- Understand best practices for public and private certificates on ClearPass

ClearPass cluster

- The licensing module for ClearPass
- Request certificates for RADIUS and HTTPS
- Upgrade the ClearPass system
- Run and secure backups

Upgrade ClearPass cluster

- Describe ClearPass cluster upgrade procedures
- Analyze best practices on cluster updates

Cluster troubleshooting

- Revise common upgrade failures
- Assess and troubleshoot failed cluster upgrades

Enrollment over Secure Transport

- Define EST
- EST's main components
- Configure and monitor ETS

RadSec

- Describe RadSec, its main components and characteristics
- Configure RadSec
- Troubleshoot RadSec

ClearPass access request process

- Describe the service classification and match process
- The process of an access request
- Perform services troubleshooting

Creating services and rules manually

- Describe the process of manually creating a service and its dependencies
- Manually configure new services, enforcement policies and profiles
- Explore the different parts of a service and best practices of naming convention and maintenance

Dual SSID OnBoard

- Compare single and dual SSID device onboarding
- The benefits of dual SSID onboarding
- Configure dual SSID onboarding
- Managing usercertificates

Implementing MPSK

- MPSK concept
- Configure MPSK with user self-registration
- Configure MPSK for a device group
- Troubleshooting MPSK

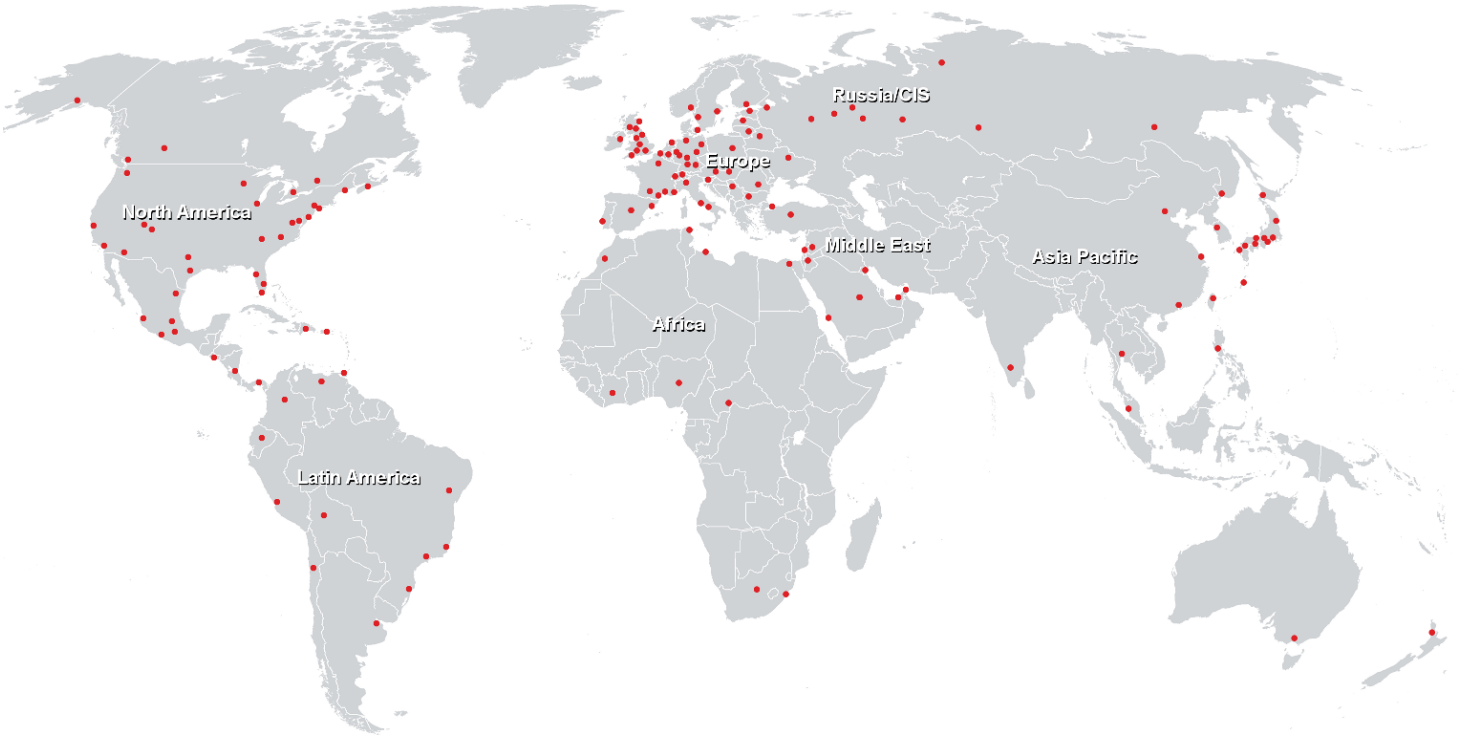
Wired onboarding/profiling

- Onboarding process for wired devices
- Configure services for wired devices onboard
- Troubleshoot wired authentication and profiling

Dynamic Segmentation - BYOD, employee, and guest

- Concepts of dynamic segmentation
- ClearPass functions related to dynamic segmentation
- Configure downloadable user roles to support dynamic segmentation

Training Centres worldwide





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