HPE Aruba Networking ClearPass Advanced Configuration (CPAC)

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

Course Overview

In the 5-day HPE Aruba Networking ClearPass Advanced Configuration course, you will learn how to design, deploy, and troubleshoot several aspects of the ClearPass security product. This course includes both instructional modules and hands-on labs to teach you about advanced features of the ClearPass portfolio.

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

Detailed Course Outline

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About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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