+33 (0)1 48 10 09 46
formation@ambient-it.net
140 Avenue Jean Lolive 93500 Pantin - France

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Sign Up

Aruba Networking ClearPass Configuration (CPC) HPE Training

5 days (35 hours)

Overview

HPE Aruba Networking ClearPass is a network access control solution that secures user and device connections in the enterprise. With Policy Manager and the Guest, OnGuard, and Onboard features, ClearPass enables centralized authentication, access policies, posture control, and device provisioning.

Our HPE Aruba Networking ClearPass Configuration training will help you develop a solid foundation in the ClearPass portfolio and apply that knowledge to real-world configurations tailored for enterprise networks.

You will learn how to configure AAA services and authentication sources, utilize endpoint profiling, define roles, and implement consistent access controls.

Upon completion of the course, you will be able to deploy a ClearPass network access solution and configure guest access, wired authentication, OnGuard posture policies, and Onboard provisioning.

This training also covers certificate management and administrative operations, backups, log collection, and ClearPass Device Insight reporting to help you troubleshoot issues encountered during operations.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Implement a ClearPass network access solution in an enterprise environment
- Design and implement effective services and controls in ClearPass
- Troubleshoot issues related to a ClearPass solution

Target Audience

- Network professionals seeking to expand their fundamental knowledge of the ClearPass product portfolio.

Prerequisites

- At least one to two years of experience deploying enterprise network solutions.

Technical Prerequisites

- A computer equipped with a browser compatible with the ClearPass interfaces used during the workshops
- A stable network connection allowing access to the training environment
- An account for accessing the ClearPass hands-on lab environment with the necessary permissions for configurations

Curriculum for our HPE Aruba Networking ClearPass Configuration (CPC) training

[Day 1 - Morning]

Introduction to HPE Aruba Networking ClearPass

- Network Access Control
- ClearPass Use Cases
- The ClearPass System

AAA

- Explanation of AAA
- Authentication Sources

[Day 1 - Afternoon]

External Devices

- Network Access Devices
- Messaging Services
- External Context Servers

Endpoint Profiling

- Introduction to Profiling
- Profiling Collector

[Day 2 - Morning]

Roles and

Application

- Services
- Application
- ClearPass Roles

Service Configuration

- Service Selection Rules
- Creating Services

[Day 2 - Afternoon] Web Service

Configuration

- Content Manager
- Skins
- Web Page Editor

Guest Authentication

- Captive Portal Process
- Web Logins
- Guest Accounts
- Guest Access with MAC Authentication

[Day 3 - Morning]

Self-registration for guest access

- Self-Registration Experience
- Self-Registration Configuration
- Self-Registration Process

[Day 3 - Afternoon] Wired

Authentication

- Wired Access
- Wired Application
- Profiling on Wired Ports

[Day 4 - Morning] OnGuard

Configuration

- Introduction
- Posture Policies
- OnGuard Software Agent
- Monitoring the OnGuard Software

OnGuard in the Application

- OnGuard Workflow
- OnGuard Application

[Day 4 - Afternoon]

ClearPass Onboard Software Provisioning

- Configuring Certificate Authorities
- Portal Configuration
- Configuring Services

[Day 5 - Morning]

ClearPass Onboard Software Administration

- Certificate Management
- User and Device Management
- Certificate Revocation and OCSP

Administrative Operations

- Licenses
- Certificates
- Updates and Improvements
- Backups
- Log Collection

[Day 5 - Afternoon]

Administrative

Access

- Administrator Access to NADs
- Administrator Access to Policy Manager
- Guest Operator Logins

ClearPass Device Insight Reports

- Alerts
- Reports
- Administration

Target Companies

This training is designed for both individuals and businesses—large and small—that wish to train their teams in new, advanced IT technologies or to acquire specific industry knowledge or modern methodologies.

Placement at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Hands-On Workshop: 60% Hands-On, 40% Theory. Training materials distributed in

digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.

Training organization registered under number 11 75 54743 75. This registration does not constitute state accreditation.
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