Training: Aruba
Configuring HPE Aruba Networking ClearPass

TRANING TERMS

2026-11-30 | 5 days | Virtual Classroom
2026-12-07 | 5 days | Virtual Classroom

TRAINING GOALS:

This course provides participants the foundational skills in Network Access Con-trol using the Aruba ClearPass product portfolio. This 5-day course includes both instructional modules and labs to teach participants about the major fea-tures in the ClearPass portfolio. Participants will learn how to setup ClearPass as an AAA server, and configure the Policy Manager, Guest, OnGuard and Onboard feature sets. In addition, this course covers integration with external Active Directory servers, Monitoring and Reporting, as well as deployment best practices. The student will gain insight into configuring authentication with ClearPass on both wired and wireless networks.

Objectives

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

- Implement a ClearPass network access solution
- Design and apply effective services and enforcement in ClearPass
- Troubleshoot a ClearPass solution

Target Audience

Ideal candidates include network professionals who are looking to build their foundational knowledge of the ClearPass product portfolio.

CONSPECT:

- Introduction to ClearPass
  - BYOD
  - High Level Overview
  - Posture and Profiling

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- Guest and Onboard
- AAA
  - Policy Service Rules
  - Authentication Authorization and Roles
  - Enforcement Policy and Profiles
- External Devices
  - Network Access Devices
  - Messaging Services
  - External Context Servers
- Endpoint Profiling
  - Introduction to profiling
  - Profiling collectors
  - External collectors and profilers
- Roles and Enforcement
  - Services
  - Enforcement
  - ClearPass roles
- Configuring Services
  - Service selection rules
  - Creating services
- Configuring Web Services
  - Content Manager
  - Skins
  - Web page editor
- Guest Authentication
  - Captive portal process
  - Web logins
  - Guest accounts
  - Guest access with MAC authentication
- Guest Access Self-Registration
  - Self-registration experience
  - Configuring self-registration
  - Self-registration process
- Wired Authentication
  - Wired access
  - Wired enforcement

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- Profiling on wired ports
- Downloadable User Roles
  - Requirements for DUR
  - DUR enforcement profiles
- Dynamic Segmentation
  - What is Dynamic Segmentation?
  - How it works
  - Configuring Dynamic Segmentation
- OnGuard Configuration
  - Postures
  - Posture policies
  - OnGuard Agent
  - Monitoring OnGuard
- OnGuard in Enforcement
  - OnGuard workflow
  - OnGuard enforcement
- Onboard Provisioning
  - Configuring certificate authorities
  - Portal setup
  - Configuring services
- Onboard Administration
  - Managing certificates
  - Managing users and devices
  - Certificate revocation and OCSP
- Administrative Operations
  - Licenses
  - Certificates
  - Updates and upgrades
  - Gathering logs
- ClearPass Cluster
  - Cluster structure
  - Policy Manager zones
  - High availability
- Administrative Access
  - Admin access to NADs
  - Admin access to Policy Manager

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- Guest operator logins
- Insight Reports
  - Alerts
  - Reports
  - Administration

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Aruba Networks.

TRAINER:

Aruba Networks Certified Trainer.

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