HPE aruba networking

HPE Aruba Networking ClearPass Configuration

Course description

The 5-day HPE Aruba Networking ClearPass Configuration course prepares you with foundational skills in Network Access Control using the ClearPass product portfolio. This course includes both instructional modules and labs to teach you about the major features of the ClearPass portfolio. You will learn how to set up 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.

Course ID	0001212504
Course format, Typical duration	**Select one:** ILT - Instructor Led, 5 days VILT - Virtual Instructor Led, 5 days WBT - Web Based, Self Paced, 5 days
Skill level	Foundational
Delivery languages	English
Lab required	No
Register for this course. Register for this course in the Training calendar. Click the "Register" link to get started.	

Ideal candidate for this course

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

Topics

- **Introduction to HPE Aruba Networking ClearPass**
  - Network Access Control
  - ClearPass use cases
  - ClearPass system

- **AAA**
  - AAA explained
  - Authentication sources

- **External devices**
  - Network access devices
  - Messaging services
  - External context servers

- **Endpoint profiling**
  - Introduction to profiling
  - Profiling collector

- **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
  - Profiling on wired ports

- **OnGuard configuration**
  - Introduction
  - Posture policies
  - OnGuard Software agent
  - Monitoring OnGuard Software

- **OnGuard in enforcement**
  - OnGuard workflow
  - OnGuard enforcement

- **ClearPass Onboard Software provisioning**
  - Configuring certificate authorities
  - Portal setup
  - Configuring services

- **ClearPass Onboard Software Administration**
  - Managing certificates
  - Managing users and devices
  - Certificate revocation and OCSP

- **Administrative operations**
  - Licenses
  - Certificates
  - Updates and upgrades
  - Backups
  - Gathering logs

- **Administrative access**
  - Admin access to NADs
  - Admin access to Policy Manager
  - Guest operator logins

- **ClearPass Device Insight reports**
  - Alerts
  - Reports
  - Administration

Objectives

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

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

How to register

View the Certification and Learning Global Training Calendar to register for the training offerings that best meets your needs.

Policies, fees and cancellations

Course fees may vary. Fees are established and collected by the training center that delivers the course. Cancellation fees may apply. Contact your HPE Authorized Training Partner for their respective policies.

For more information

Contact our program