

Aruba Networking ClearPass Configuration, Rev. 25.21

Duration: 5 Days

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.

Target Audience:

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

Course 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

Course Outlines:

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 OSCP

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

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