

Implementing Aruba ClearPass, Rev. 20.11

Course description

The Implementing Aruba ClearPass instructor-led course takes a deeper look at the ClearPass product portfolio. This 3-day classroom session includes both instructional modules and hands-on labs to lead participants through the implementation and configuration of a ClearPass Network Access Control solution. This course is designed to advance the learner's knowledge ClearPass features and administration. This is the second of two sections in the ClearPass Essentials course and is designed to advance the learners knowledge of a complete ClearPass solution.

This course starts out with wired authentication and Dynamic Segmentation then changes focus to ClearPass functionality and administration. Participants will learn how to setup a ClearPass Cluster with High Availability, and configure OnGuard endpoint compliance and Onboard BYOD features. In addition, this course Monitoring and Reporting, as well as deployment best practices.

Ideal candidate for this course

Ideal candidates include network professionals who are looking to build upon their foundational knowledge of the ClearPass product portfolio. This course would be beneficial for customers who are seeking to expand their ClearPass installation to take advantage of all its features, as well as engineers and technicians wanting to implement a ClearPass solution.

Suggested prerequisites

We recommend that students attend the Aruba ClearPass Fundamentals 3 Day Course, or achieve the Aruba Certified ClearPass Associate (ACCA) certification.

Topics

- **Intro to ClearPass Services**
 - Review of ClearPass Fundamentals
 - Review of Authentication Services

- **OnGuard**
 - Introduction to Posture and Health Checks.
 - Configuring And Monitoring OnGuard
 - Managing the OnGuard Agent

- **OnGuard Enforcement**
 - OnGuard Enforcement Workflow.
 - Incorporating System Health Validation Into Services

- **Onboard Provisioning**
 - Introduction to BYOD
 - Configuring Internal Certificate Authorities
 - Building an Onboard Portal

- **Onboard Administration**

Course ID	0001131307
Course format, Typical duration	Select one: ILT - Instructor Led, 3 days VILT - Virtual Instructor Led, 3 days
Skill level	Intermediate
Delivery languages	English
Lab required	Yes
Related certifications	<ul style="list-style-type: none"> • Aruba Certified ClearPass Professional (ACCP)
In preparation for these exams	Selected items from this course are included in these exams: <ul style="list-style-type: none"> • Aruba Certified ClearPass Professional Exam
<p>Register for this course.</p> <p>Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.</p>	

- Managing Client Certificates.
 - Managing BYOD Users and Devices
 - Certificate Revocation and OCSP
- **ClearPass Cluster**
 - Database Configuration and Sync
 - Configuring Policy Manager Zones
 - Configuring Server High-availability
- **Administrative Access**
 - TACACS Authentication
 - Administrative Profiles for ClearPass Policy Manager
 - ClearPass Guest Operator Profiles
- **Administrative Operations**
 - Licensing
 - Understanding Certificates in ClearPass
 - Updates and Upgrades.
 - Server Backups
 - Technical Support and Logs
- **Insight Reports**
 - The Insight Dashboard.
 - Searching Insight Data
 - Alert Configuration and Watchlist.
 - Configuring Custom Reports.
 - Insight Administration
- **Wired Port Authentication**
 - 802.1X for access layer switch ports
 - Profiling on Wired Network
 - Configuration of Dynamic Segmentation
- **Aruba Downloadable User Roles**
 - Downloadable User Role Enforcement in ClearPass
 - Aruba Controller/Gateway configuration
 - Aruba Switch configuration
 - Troubleshooting

Objectives

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

- Monitor and troubleshoot ClearPass services
- Configure Authentication for Wired Access
- Configure Dynamic Segmentation for Aruba switches
- Deploy Aruba Downloadable User Roles
- Deploy a scalable ClearPass cluster
- Select and install security certificates within the cluster
- Manage licenses, upgrades, and backups of ClearPass servers
- Configure posture and health checks to ensure the security of your network client's
- Build enforcement based on effective health check results
- Set up and manage an effective self-service BYOD solution using ClearPass Onboard
- Configure Administrative Access to ClearPass Modules and Network Infrastructure Devices
- Configure custom reports and alerts in the Insight module

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](#)

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