

ClearPass Advanced Labs (CPA) 6.5, Rev. 16.41

Course description

This course prepares participants who are familiar with ClearPass products to master their knowledge through a series of challenging lab exercises, under the guidance of an Aruba Instructor. In this course, participants are presented with customer case studies, and are required to design ClearPass services, and integrate network devices to meet the customer's requirements.

Ideal candidate for this course

Ideal candidates are networking professionals who are familiar with ClearPass products, and are looking to master their ClearPass implementation skills across various Network Access Infrastructure Devices.

Topics

- **Data and Management Port Configuration**

- Hardware and Data Management Ports
- Best Practices
- Services Routing and Tech Note

- **Guest Authentication**

- Web Login Process
- Pre Auth Check
- Self Registration Process
- Registration Back End

- **Posture and OnGuard**

- OnGuard Agents
- Policy Flow
- Posture Tokens
- Access Tracker Output
- WebAuth Service
- OnGuard Dissolvable Agent Workflow

- **SQL Basic Knowledge**

- What is SQL
- Common Commands
- Connecting ClearPass Database

- **External SQL Database**

Query Database
Building Authorization Source
Use New Authorization Source
How to add

- **Cisco WLC Initial Setup**

- Set
- Disable
- Configure

Course ID	01058673
HPE product number	HOLJ9
Course format, Typical duration	ILT - Instructor Led, 5 days
Skill level	Advanced
Delivery languages	English
Lab required	Yes
Related certifications	<ul style="list-style-type: none"> • Aruba Certified ClearPass Expert (ACCX)
In preparation for these exams	<p>Selected items from this course are included in these exams:</p> <ul style="list-style-type: none"> • Aruba Certified ClearPass Expert Practical Exam

[Register for this course.](#)
Register for this course in the Training calendar. Click the "Register" link to get started.

- **Instant vs Controller**
 - Aruba Instant
 - Aruba Controller

- **Cisco Switch NAD**
 - Cisco 802.1x Wired Service
 - Global Configuration
 - Port Configuration

- **Cisco WLC vs Aruba Controller**
 - Cisco WLC
 - Aruba Controller

- **Cisco Wired Guest**
 - Cisco Switch Global Configuration
 - Cisco Switch Port Configuration
 - Cisco Switch RADIUS Attributes
 - Cisco Switch Guest Authentication

- **3rd Party MDM**
 - Other Collectors
 - Profiling Fingerprint Updates
 - 3rd Party MDM
 - Using Profiling Data in Enforcement
 - Profiling on 802.1x Networks

- **ClearPass Cluster**
 - ClearPass Cluster
 - Virtual IP
 - HTTPS Server Certificate
 - Radius Server Certificate
 - Multiple Server Deployments

- **ClearPass 6.3 to 6.4 update**
 - Platform: Unified Notification
 - CPPM: MDM Server will not Overwrite Endpoints
 - OnGuard: Dissolvable Agent
 - Onboard: Ubuntu Linux Support
 - Onboard: Chromebook Support - Features
 - Guest: Admin UO Refactoring
 - Guest: HCG Mode
 - Guest: Social Network Logins

- **ClearPass 6.4 to 6.5 Update**
 - Platform
 - Profiler
 - CPPM
 - OnGuard
 - Onboard
 - Guest

Objectives

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

- Understand ClearPass Policy Design
- Perform Integration of NAD Devices
- Implementing Tailoring for Customer Requirements
- Troubleshoot and Report
- Documenting all work

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](#)

© Copyright 2020 Hewlett Packard Enterprise. The information contained herein is subject to change without notice. The only warranties for HPE products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HPE shall not be liable for technical or editorial errors or omissions contained herein.

Information is as of November 2019, Revision 4