

Aruba ClearPass Fundamentals, Rev. 20.11

Course description

The Aruba ClearPass Fundamentals instructor-led course prepares participants with foundational skills in Network Access Control using 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 the first of two sections in the complete ClearPass Essential course, and is designed to build the learner's foundational knowledge in authentication and access control using ClearPass. The complete ClearPass Essentials course is available in a 5-day instructor-led option. This course is primarily focused on ClearPass fundamentals, but provides the basics on the device configuration required when considering the interaction between the Network Access Control Device and ClearPass.

Ideal candidate for this course

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

This course would be beneficial for customers who are seeking greater knowledge of the ClearPass product that they have purchased. We recommend that students have at least an understanding of basic access layer networking, the function of ACL's and firewall rules.

Topics

- **Intro to ClearPass**
 - Basic Concepts of Network Access Control
 - ClearPass Use Cases

- **Authentication, Authorization, Accounting**
 - Authentication Basics
 - Multi-Level Client Authorization
 - Radius Accounting
 - Configuration of Authentication Sources Including LADP and Active Directory

- **External Connectivity**
 - Configuring Network Access Devices
 - Configuring Email Messaging Servers
 - Aruba Security Exchange Integration
 - Integration with Enterprise Mobile Managers

- **Endpoint Profiling**
 - Device Type Identification
 - Profiling Collectors

- **Roles and Enforcement.**
 - Introduction to Services
 - Implementation of Enforcement Logic.
 - ClearPass Role Assignment

Course ID	0001131308
Course format, Typical duration	Select one: ILT - Instructor Led, 3 days VILT - Virtual Instructor Led, 3 days
Skill level	Foundational
Delivery languages	English
Lab required	No
Related certifications	<ul style="list-style-type: none"> • Aruba Certified ClearPass Associate (ACCA)
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 Associate Exam (inactive on August 03, 2020)
<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>	

- **Configuring Services**
 - Service Selection Logic.
 - Implementation of Effective Services in ClearPass
- **Wired Authentication**
 - Wired Access Control
 - Enforcement on Wired Networks.
 - Endpoint Profiling on Wired Networks
- **Configuring Web Services**
 - Custom Web Content
 - ClearPass Skins Web Templates
 - Custom Informational Webpages
- **Introduction to Guest**
 - Guest Access with Captive Portal.
 - Web-Based Authentication
 - Guest Access with MAC Caching.
 - Guest Account Management
- **Guest Access with Self Registration.**
 - The Self-Service Guest Access Experience.
 - Configuring a Self-Registration Portal.
 - Configuring Self-Registration with Internal Sponsorship

Objectives

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

- Set up ClearPass as a AAA server
- Configure authentication sources including integrating with Microsoft Active Directory
- Build effective access enforcement policies
- Understand and troubleshoot 802.1X access services
- Configure custom informational webpages
- Configure a personalized guest access solution including, simple web logins as well as self-service guest access.
- Understand how to configure a simple wired access solution using ClearPass.

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

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