

Aruba ClearPass Fundamentals

COURSE DETAILS

Course Code:	AR-ACF
Current Version:	20.11
Delivery Type:	Instructor-Led
Duration:	3 days

PREREQUISITES

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

COURSE CONTENT

The Aruba ClearPass Fundamentals course prepares participants with foundational skills in Network Access Control using the ClearPass product portfolio. This 3-day course 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 course. 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.

COURSE 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.
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COURSE OUTLINE

Introduction 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
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- 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

Configuring Services

- Service Selection Logic.
- Implementation of Effective Services in ClearPass

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

WHO SHOULD ATTEND

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. Aruba recommends that students have at least an understanding of basic access layer networking, the function of ACLs and firewall rules.