

Training: Aruba Aruba ClearPass Fundamentals



TRAINING TERMS

2021-08-25 | 3 days | Virtual Classroom
2021-10-25 | 3 days | Virtual Classroom
2021-10-25 | 3 days | Warszawa
2021-12-13 | 3 days | Kraków
2021-12-13 | 3 days | Virtual Classroom

TRAINING GOALS:

The Aruba ClearPass Fundamentals instructor-led course prepares participants with foundational skills in Network Access Control using the ClearPass product portfolio. This 3-day course includes 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 Aruba ClearPass Essentials course, and is designed to build the learner's foundational knowledge in authentication and access control using ClearPass.

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. Participants will learn how to configure access control logic within the Policy Manager. Understand how to use ClearPass Guest to configure a convenient yet secure public access network. Participants will explore device profiling. In addition, this course covers integration with external Active Directory servers and Monitoring.

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.

Target Audience

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.

CONSPECT:

- 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
- 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

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Aruba Networks.

This course prepares you also for such related Aruba Networks certifications: **Aruba Certified ClearPass Associate (ACCA)** available at Pearson VUE test centers.

TRAINER:

Aruba Networks Certified Trainer.