



CloudHarmonics
COMMITTED TO YOUR SUCCESS

Aruba Networks: Clear Pass Essentials Course v6.7 - (CPE)

Duration

5 Days

Cost

USD 3200 or 16 Aruba credits or 2 Aruba voucher

SKU: CH-Aruba-ClearPass-Virtual

The Clearpass Essentials 6.7 instructor-led course prepares participants with foundational skills in Network Access Control using the ClearPass product portfolio. This 5-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 enhance the learner's foundational knowledge in authentication and access control.

This course is primarily focused on ClearPass, 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 setup ClearPass and 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, OnGuard endpoint compliance and Onboard BYOD features and configuration. In addition, this course covers integration with external Active Directory servers, Monitoring and Reporting, as well as deployment best practices.

This class prepares students for the Aruba Certified Clearpass Professional (ACCP) exam

Scope and Target Audience

Scope:

- Course level: Advanced
- Course duration: 5 Days
- Course format: Combines lecture with hands-on labs
- Platform supported: Aruba ClearPass product portfolio

Target Audience:

- Ideal candidates include network professionals 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, as well as engineers and technicians wanting to implement a ClearPass solution.

Prerequisites

Participants in this course should have a basic understanding of the following concepts and protocols:

- Familiarity with Network Standards and terminology, VLANs and IP Protocols
- Routing & Switching
- RADIUS, 802.1X authentication, AAA
- LDAP and AD experience
- WLANs

Agenda

This class is comprised of thirteen modules focusing on a thorough overview of the Aruba ClearPass product portfolio.

- **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
- **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**
- **OnGuard**
- **Introduction to Posture and Health Checks**
- **Configuring And Monitoring OnGuard**
- **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**
- 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

1 Free Day of VSandbox now offered to all students!

Additional Details

<https://www.cloudharmonics.com/course-details/1250?code=>

For more information, please contact training@cloudharmonics.com.
www.cloudharmonics.com - 408-498-9206