

# Aruba ClearPass Essentials, Rev. 19.21

## Course description

This Instructor Led Training (ILT) course prepares participants with foundational skills in Network Access Control using the ClearPass product portfolio. This 5-day classroom session includes both modules and labs to teach participants about the major features of the ClearPass portfolio. Participants will learn how to setup ClearPass as a AAA server, and configure the Policy Manager, Guest, OnGuard and OnBoard feature sets. In addition, this course covers integration with external Active Directory servers, Monitoring and Reporting, as well as deployment best practices.

## Ideal candidate for this course

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

## Topics

- **Intro to ClearPass**
  - BYOD
  - High Level Overview
  - Posture and Profiling
  - Guest and Onboard
- **ClearPass for AAA**
  - Policy Service Rules
  - Authentication Authorization and Roles
  - Enforcement Policy and Profiles
- **Authentication and Security Concepts**
  - Authentication Types
  - Servers
  - Radius COA
  - Active Directory
  - Certificates
- **Intro to NAD**
  - NAD Devices
  - Adding NAD to ClearPass
  - Network Device Groups
  - Network Device Attributes
  - Aruba Controller as NAD
  - Aruba Switch
  - Aruba Instant
- **Monitoring and Troubleshooting**
  - Monitoring
  - Troubleshooting
  - Logging
  - Policy Simulation
- **ClearPass Insight**

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| <b>Course ID</b>   | 01124970  |
| <b>Course format, Typical duration</b>   | <b>Select one:</b><br>ILT - Instructor Led, 5 days<br>VILT - Virtual Instructor Led, 5 days   |
| <b>Skill level</b>   | Intermediate  |
| <b>Delivery languages</b>  | English   |
| <b>Lab required</b>  | No  |
| <b>Related certifications</b>  | <ul style="list-style-type: none"> <li>• <a href="#">Aruba Certified ClearPass Associate (ACCA)</a></li> <li>• <a href="#">Aruba Certified ClearPass Professional (ACCP)</a></li> <li>• <a href="#">Aruba Certified ClearPass Expert (ACCX)</a></li> </ul>  |
| <b>In preparation for these exams</b>  | <p>Selected items from this course are included in these exams:</p> <ul style="list-style-type: none"> <li>• <a href="#">Aruba Certified ClearPass Associate Exam</a></li> <li>• <a href="#">Aruba Certified ClearPass Professional Exam</a></li> <li>• <a href="#">Aruba Certified ClearPass Expert Written Exam</a></li> <li>• <a href="#">Aruba Certified ClearPass Expert Practical Exam</a></li> </ul> |
| <p><u><a href="#">Register for this course.</a></u><br/>Register for this course in the Training calendar. Click the "Register" link to get started.</p> |   |

- Insight Dashboard
- Insight Reports
- Insight Alerts
- Insight Search
- Insight Administration
- Insight Replication
  
- **Active Directory**
  - Adding AD as Auth Source
  - Joining AD domain
  - Using AD services
  
- **External Authentication**
  - Multiple AD domains
  - LDAP
  - Static Host Lists
  - SQL Database
  - External Radius Server
  
- **Guest**
  - Guest Account creation
  - Web Login pages
  - Guest Service configuration
  - Self-registration pages
  - Configuring NADS for Guest
  - Guest Manager Deep Dive
  - Web Login Deep Dive
  - Sponsor Approval
  - MAC Caching
  
- **Onboard**
  - Intro to Onboard
  - Basic Onboard Setup
  - Onboard Deepdive
  - Single SSID Onboarding
  - Dual SSID Onboarding
  
- **Profiling**
  - Intro to Profiling
  - Endpoint Analysis Deep Dive
  
- **Posture**
  - Intro to Posture
  - Posture Deployment Options
  - OnGuard Agent Health Collection
  - OnGuard workflow
  - 802.1x with Posture using Persistent/dissolvable agent
  - OnGuard web Login
  - Monitoring and Updates
  
- **Operation and Admin Users**
  - Operations
  - Admin Users
  
- **Clustering and Redundancy**
  - Clustering
  - Redundancy
  - LAB
  
- **Licensing**

- ClearPass Licensing
- Base License
- Applications
  
- **Single Sign-On**
  - Deployment Options
  - ClearPass Admin Login SSO
  - Access Network SSO
  - ASO-Auto-Sign On
  - Configuration and Demo
  
- **ClearPass Exchange**
  - Intro
  - Examples
  - General HTTP Palo Alto Firewall
  - Configuration
  
- **Case Study**
  - Objectives
  - Discussion
  - Advanced Labs Overview

## Objectives

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

- Ability to setup ClearPass as a AAA server
- Demonstrate Configuration Guest, Ongurad, Onboard and Profiling features
- Integrate with External AD Server
- Understand Monitoring and Reporting
- Demonstrate Scaling and deployment of best practices

## 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](#)

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Information is as of November 2019, Revision 2