

ClearPass Essentials HOLJ7S

HPE course number	HOLJ7S
Course length	5 days
Delivery modes	ILT, VILT
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The ClearPass Essentials 6.5 instructor led course provides participants with a foundation in Network Access Control using the ClearPass product portfolio. This 5-day classroom session includes both modules and labs covering major features of the ClearPass portfolio. Students will learn how to set up ClearPass as a AAA server and configure the Policy Manager, Guest, OnGuard, and OnBoard feature sets. In addition, the content will cover integration with external Active Directory servers, Monitoring, and Reporting, as well as deployment best practices.

Why HPE Education Services?

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Audience

This class prepares students for the Aruba Certified ClearPass Professional (ACCP) examination.

Prerequisites

Before attending this course, students must have:

- Familiarity with Network Standards, basic routing and switching knowledge, RADIUS, 802.1X, and AAA experience.

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Detailed course outline

Intro to ClearPass

- Intro to ClearPass
 - Set up and installation
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ClearPass for AAA

- Intro to ClearPass for AAA
 - Authentication and security concepts
 - NADs
 - 802.1x with local user
 - Lab 2—Troubleshooting
 - Insight reporting
 - Lab 3—Insight reporting
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External Authentication

- Active directory
 - Lab 4—802.1x with AD
 - External Auth Deep Dive
-

Guest

- Intro to Guest
 - Configuring NADs for Guest
 - Lab 5—Guest
 - Guest Manager Deep Dive
 - Web Login Deep Dive
 - Sponsor approval
 - Sponsor approval
 - MAC caching
 - Lab 7—MAC caching
-

OnBoard

- Intro to OnBoard
 - Lab 8—OnBoard
 - Basic OnBoard setup
 - OnBoard Deep Dive
 - Single SSID OnBoarding
 - Dual SSID OnBoarding
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Endpoint Analysis

- Intro to profiling
 - Lab 9—Profiling on Guest networks
 - Endpoint Analysis Deep Dive
 - Lab 10—Profiling on 802.1x networks
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Posture

- Intro to posture
 - Lab 11—Posture health collection
 - OnGuard Deep Dive
 - Lab 12—Posture enforcement
 - Lab 13—Wired 801x
-

Operations and Admin users

- Operations
 - Admin users
 - Lab 14—TACACS+ Admin
-

Clustering and Redundancy

- Clustering
 - Redundancy
 - Lab 15—Clustering and Redundancy
 - Licensing
 - Single Sign-On
 - ClearPass Exchange
 - Final Case Study
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Appendix modules— Printouts

- AppA—Intro to certificates
- AppB—Licensing alerts and enforcement
- AppC—Cisco Switch NAD
- AppD—Guest hotspot
- AppE—Posture with NAP
- AppF—Airgroup
- AppG—QuickConnect

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