



ClearPass Essentials CPEVL HOLJ9S

The ClearPass Essentials Lab provides an opportunity to practice the concepts learned in the ClearPass Essentials e-learning modules. Viewing the e-learning modules is a prerequisite for scheduling a lab session. You will practice these skills under the guidance of an online instructor using ClearPass equipment in the Aruba Remote Lab.

HPE course number	HOLJ9S
Course length	5 days
Delivery mode	ILT/VILT
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Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and (ISC)²
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

Audience

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

Prerequisites

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

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

Detailed course outline

Module 1: Intro to Clearpass	<ul style="list-style-type: none">• Intro to Clearpass• Setup and Installation
Module 2: Clearpass for AAA	<ul style="list-style-type: none">• Intro to Clearpass for AAA• Authentication & Security Concepts• NADs• 802.1x with Local User• Lab 2—Troubleshooting• Insight reporting• Lab 3—Insight Reporting
Module 3: External Authentication	<ul style="list-style-type: none">• Active Directory• Lab 4—802.1x with AD• External Auth Deep Dive
Module 4: Guest	<ul style="list-style-type: none">• Intro to Guest• Configuring NADs for Guest• Lab 5—Guest• Guest Manager Deep Dive• Web Login Deep Dive• Sponsor Approval• MAC Caching• Lab 7—MAC Caching
Module 5: OnBoard	<ul style="list-style-type: none">• Intro to OnBoard• Lab 8—OnBoard• Basic OnBoard Setup• OnBoard Deep Dive• Single SSID OnBoarding• Dual SSID OnBoarding
Module 6: Endpoint Analysis	<ul style="list-style-type: none">• Intro to Profiling• Lab 9—Profiling on Guest networks• Endpoint Analysis Deep Dive• Lab 10—Profiling on 802.1x networks
Module 7: Posture	<ul style="list-style-type: none">• Intro to Posture• Lab 11—Posture Health Collection• OnGuard Deep Dive• Lab 12—Posture Enforcement• Lab 13—Wired 801.x
Module 8: Operations & Admin Users	<ul style="list-style-type: none">• Operations• Admin Users• Lab 14—TACACS+ Admin
Module 9: Clustering & Redundancy	<ul style="list-style-type: none">• Clustering• Redundancy• Lab 15—Clustering & Redundancy

Course data sheet

Module 10: Licensing

Module 11: Single Sign-On

Module 12: Clearpass Exchange

Module 13: Final Case Study

Appendix Modules: printouts

- AppA—Intro to Certificates
 - AppB—Licensing Alerts & Enforcement
 - AppC—Cisco Switch NAD
 - AppD—Guest Hotspot
 - AppE—Posture with NAP
 - AppF—Airgroup
 - AppG—QuickConnect
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