HPE Aruba Networking ClearPass Advanced Configuration

Category: Networking & Security | **Vendor:** HPE Aruba Networking

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

In the 5-day HPE Aruba Networking ClearPass Advanced Configuration course, you will learn how to design, deploy, and troubleshoot several aspects of the ClearPass security product. This course includes both instructional modules and hands-on labs to teach you about advanced features of the ClearPass portfolio.

About This Course

Public Key Infrastructure

- Describe PKI infrastructure
- Evaluate the advantages and disadvantages of public and private PKIs
- Understand best practices for public and private certificates on ClearPass

ClearPass cluster

- The licensing module for ClearPass
- Request certificates for RADIUS and HTTPS
- Upgrade the ClearPass system
- Run and secure backups

Upgrade ClearPass cluster

- Describe ClearPass cluster upgrade procedures
- Analyze best practices on cluster updates

Cluster troubleshooting

- Revise common upgrade failures
- Assess and troubleshoot failed cluster upgrades

Enrollment over Secure Transport

- Define EST
- EST’s main components
- Configure and monitor ETS

RadSec

- Describe RadSec, its main components and characteristics
- Configure RadSec
- Troubleshoot RadSec

ClearPass access request process

- Describe the service classification and match process
- The process of an access request
- Perform services troubleshooting

Creating services and rules manually

- Describe the process of manually creating a service and its dependencies
- Manually configure new services, enforcement policies and profiles
- Explore the different parts of a service and best practices of naming convention and maintenance

Dual SSID OnBoard

- Compare single and dual SSID device onboarding
- The benefits of dual SSID onboarding
- Configure dual SSID onboarding
- Managing usercertificates

Implementing MPSK

- MPSK concept
- Configure MPSK with user self-registration
- Configure MPSK for a device group
- Troubleshooting MPSK

Wired onboarding/profiling

- Onboarding process for wired devices
- Configure services for wired devices onboard
- Troubleshoot wired authentication and profiling

Dynamic Segmentation - BYOD, employee, and guest

- Concepts of dynamic segmentation

- ClearPass functions related to dynamic segmentation
- Configure downloadable user roles to support dynamic segmentation

Who Should Attend

Ideal candidates include network professionals who are looking to build their advanced knowledge of ClearPass.

Prerequisites & Entry Requirements

General Prerequisites:

- HPE Aruba Networking ClearPass Configuration (CPC)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

- Deploy a complete and resilient Network Access Control (NAC) security solution based on HPE Aruba Networking ClearPass.
- Understand the HPE Aruba Networking ClearPass logic to handle different authentication events.
- Implement a secure network that follows the principles of the Zero Trust Security (ZTS) architecture.

Detailed Course Outline

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Frequently Asked Questions

Q: What delivery options are available for HPE Aruba Networking ClearPass Advanced Configuration?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day HPE Aruba Networking ClearPass Advanced Configuration course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the HPE Aruba Networking ClearPass Advanced Configuration training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for HPE Aruba Networking ClearPass Advanced Configuration?

Yes, we provide corporate training, dedicated training, and closed classes for HPE Aruba Networking ClearPass Advanced Configuration. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: HPE Aruba Networking ClearPass Advanced Configuration, Aruba Security, CPAC

Q: Why choose Nexus Human for HPE Aruba Networking ClearPass Advanced Configuration?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your HPE Aruba Networking ClearPass Advanced Configuration training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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