Using AI in HPE Aruba Networking

Category: AI, Data & Analytics | **Vendor:** HPE Aruba Networking

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This two-day instructor-led course provides network professionals with the knowledge and hands-on experience needed to leverage AI-driven solutions in HPE Aruba Networking environments. Participants will learn how to apply conversational AI and prompt engineering techniques to streamline network configuration, deployment, and troubleshooting.

Through a series of hands-on lab exercises, attendees will explore AI-enhanced methods for managing HPE Aruba AOS-CX switches and Campus Access Networks. The course emphasizes real-world applications of AI to optimize network efficiency, automate troubleshooting, and improve operational workflows.

About This Course

Introduction to AI-assisted networking with ChatGPT

- Comparing AI machine learning (ML) versus deep learning (DL)
- Understanding neural networks in deep learning algorithms
- Understanding algorithm training and optimization
- Comparing validation and overfitting
- Examining AI products and implementations in the industry

Configuring VSX, VSF, L2, and port access with AI

- VSX technology overview
- VSF stacking overview
- MSTP and loop protection
- DHCP snooping and ARP inspection
- Wired Access Control

Implementing L3 routing protocols and technologies with AI

- OSPF overview
- BGP overview
- VRF and IVRL overview
- VNBT in EVPN-VXLAN fabric

Using AI for network automation and scripting

- Explain APIs and work with REST API
- Describe and use API Tools
- Introduction to Python automation with AOS-CX and Central APIs
- Using ChatGPT to generate and troubleshoot automation scripts
- Python and ChatGPT for network configuration management
- OpenAI API Platform overview
- Describe HPE Aruba Networking, AOS-CX and OpenAI SDKs

- HPE Aruba Networking Central AI

Real-world troubleshooting and case studies with AI

- Use show commands, diagnostic tools, debug and packet capture for troubleshooting
- ChatGPT-assisted interpretation of network logs and errors
- Common troubleshooting scenarios with AI-assisted solutions
- Diagnosing VSX, VSF and L2 issues with ChatGPT
- Routing misconfiguration and convergence troubleshooting
- Debugging OSPF and BGP issues using AI-assisted insights
- Case studies of network issues and AI-driven resolutions

Who Should Attend

Ideal candidates for this course have a strong understanding of HPE Aruba Networking technologies and products. They should have a professional-level knowledge of HPE Aruba Networking AOS-CX switching.

Prerequisites & Entry Requirements

General Prerequisites:

Implementing AOS-CX Switching (ICXS)

Learning Outcomes

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

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

- Understand and utilize conversational AI to enhance network operations.
- Apply prompt engineering techniques to optimize AI responses for network-related tasks.
- Configure and troubleshoot network protocols using AI-assisted methodologies.
- Use AI tools for HPE Aruba Networking network automation and scripting.

Detailed Course Outline

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Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Using AI in HPE Aruba Networking?

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 2-day Using AI in HPE Aruba Networking course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Using AI in HPE Aruba Networking training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Using AI in HPE Aruba Networking?

Yes, we provide corporate training, dedicated training, and closed classes for Using AI in HPE Aruba Networking. 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: Using AI in HPE Aruba Networking, Aruba Artificial Intelligence, UAIA

Q: Why choose Nexus Human for Using AI in HPE Aruba Networking?

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 Using AI in HPE Aruba Networking training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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