



HP Unified Wired-Wireless Networks H4C82S

The wireless networking field is rapidly overtaking the traditional wired switched networks as the preferred layer one connectivity option with the proliferation of wireless only mobile devices and the growing expectations of users to have unfettered access anywhere anytime. HP Unified Wired-Wireless Networks will provide you with the skills and knowledge to design and implement a mobility solution with the HP Unified Wired and Wireless controller.

HP Unified Wired-Wireless Networks

Price USD \$2,400

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # H4C82S

Category Networking

Duration 3 days

Course description

The HP Unified Wired-Wireless Networks training course covers HP's Unified Wired and Wireless Access solution. Whether enabling mobility across the campus or the globe, HP's unified wired and wireless solution provides you with a single optimized and scalable unified network for secure and consistent access to business critical applications.

This course is approximately 60% hands-on labs and 40% lecture and learning activities.

Audience

- HP customers implementing HP Unified Wireless solutions
- IT professionals with wired LAN and/or wireless experience
- Network Engineers and Administrators

Prerequisites

- Networking experience required (suggested HP courses, HK651S, or H4C87S)

Course objectives

After completing this course, you will be able to:

- Describe the components of the HP FlexNetwork architecture
- Configure an HP Unified Wired-WLAN switch
- Describe the 802.11 standards and techniques used to propagate wireless transmissions
- Describe specific radio properties that you should understand when implementing a wireless network

- Respond to and mitigate threats of intrusion that exists in a wireless medium through establishing a security posture with strong authentication, privacy, and data integrity
- Upgrade and manage the licenses of the HP Unified Wired-WLAN controllers
- Describe and troubleshoot the AP discovery process and AP management
- Implement load balancing of clients
- Configure an appropriate AC redundancy solution
- Establish a guest solution utilizing HP portal authentication
- Describe WLAN optimization and troubleshooting solutions
- Explain the benefits of WSM and EAD as part of an overall IMC deployment tool

Next steps

- HP Education Course H4C85S - Implementing a Unified BYOD Solution using HP IMC 7

Course outline

Module 1: HPN FlexNetwork Architecture

After completing this module, you should be able to:

- Explain the strategy of controlled versus autonomous AP deployment
- Describe the components of a FlexNetworking architecture
- Configure the initial setup steps of a HP 830 Unified Wired-WLAN switch

Module 2: Wireless Features and Fundamentals

After completing this module, you should be able to:

- Describe the 802.11 standards and techniques used to propagate wireless transmissions
- Understand and explain the deployment options and terms surrounding wireless LANs
- Describe the different modes in which WLANs can operate

Module 3: HP Mobility Features and WLAN Security Basics

After completing this module, you should be able to:

- Describe specific radio properties that you should understand when implementing a wireless network
- Respond to and mitigate threats of intrusion that exists in a wireless medium through establishing a security posture with strong authentication, privacy, and data integrity
- Provide an overview and describe the main features of HP mobility

Module 4: Basic Configuration

After completing this module, you should be able to:

- Understand and demonstrate the fundamentals of using the HP Unified Wired-WLAN CLI
- Utilize the different privilege levels and authentication methods available with HP Unified Wired-WLAN devices
- Establishing remote access to the HP Unified Wired-WLAN device
- Upgrade and manage the licenses of the HP Unified Wired-WLAN controllers
- Configure and troubleshoot management interfaces
- View system files and establish system management practices
- Configure VLANs and IP interfaces
- Describe and troubleshoot the AP discovery process and AP management

Module 5: Wireless Services

After completing this module, you should be able to:

- Describe the components of a Wireless Service
- Recognize, respond to and mitigate wireless threats
- Understand the options available to clients when connecting to a wireless service

Module 6: Enterprise Implementation

After completing this module, you should be able to:

- Describe the requirements to enable roaming across the WLAN
- Implement load balancing of clients
- Configure an appropriate AC redundancy solution
- Establish a guest solution utilizing HP portal authentication
- Describe WLAN optimization and troubleshooting solutions
- Explain the benefits of WSM and EAD as part of an overall IMC deployment tool

Learn more at

hpe.com/us/training/networking