HPE Networking Private 5G overview

Course overview

This one-day, intermediate-level course is designed to help you understand the HPE Networking Private 5G solutions and how they provide all the components an enterprise needs to deploy a dedicated, secure private 5G network for exclusive use and can be managed alongside their existing Wi-Fi network. You will learn how to deploy a solution that best matches the customer's needs.

It will also prepare you for the HPE Advanced Product Certified - HPE Networking P5G exam.

Course level

- Intermediate level

Intended audience

- Pre-sales and post-sales technical engineers

Prerequisites

- It is recommended that candidates familiarize themselves with HPE's Private 5G technology at HPE Private 5G

Related certifications

- HPE Advanced Product Certified - HPE Networking P5G (HPE6-A92)

Related products

- HPE Networking Private 5G

Recommended next courses

- NA

Course contents

Day 1

Module 01: Private 5G Overview

Explain the benefits of private 5G and key technologies

- Identify the benefits of private 5G
- Explain key technologies underpinning private 5G

Module 02: HPE Networking Private 5G Solution Overview

Identify the components of HPE Networking Private 5G solutions

- Describe the components of HPE Networking Private 5G Cloud, On-Prem, and Software solutions
- Explain the benefits of HPE Networking Private 5G solutions

Module 03: Architecture and Planning

Describe HPE Networking Private 5G solution architectures and planning requirements

- Provide an overview of solution architectures and redundancy options
- Identify infrastructure requirements

Module 04: Implementing HPE Networking Private 5G Cloud

Describe the steps to implement HPE Networking Private 5G Cloud

- Describe how to order HPE Networking Private 5G Cloud components
- Identify an example VLAN, subnet, and cabling plan
- Describe how to install and connect the core appliances
- Explain how to create and deploy a network
- Describe the process for provisioning subscribers

Module 05: Implementing HPE Networking Private 5G On-Prem

Describe the steps to implement HPE Networking Private 5G On-Prem

- Describe how to order HPE Networking Private 5G On-Prem components
- Identify an example VLAN, subnet, and cabling plan
- Describe how to install and connect the core appliances
- Explain how to create and deploy a network
- Describe the process for provisioning subscribers

Module 06: Implementing HPE Networking Private 5G Software + Hardware Solutions

Describe the deployment process for HPE Networking Private 5G Software + Hardware solutions

- Explain the overall deployment process and steps performed by HPE at the factory
- Describe how to help customers order the correct components
- Explain how to ensure the integration runs smoothly

Module 07: Deploying and Configuring HPE Networking Small-Cell Radios

Describe how to deploy and configure HPE Networking Small-Cell Radios

- Describe how to deploy radios and connect them to the network
- Explain how to complete initial configuration to connect to core (Cloud or On-Prem)
- Provide an overview of radio settings including NR cell settings, sync settings, and NR security settings
- Identify where to configure these settings for Cloud or On-Prem solutions

Module 08: Acceptance Testing, Monitoring, and Troubleshooting

Describe common acceptance testing, monitoring, and troubleshooting tasks for HPE Networking Private 5G

- Provide an overview of common acceptance testing tasks
- Explain how to view and interpret metrics and KPIs
- Troubleshoot common issues such as devices that cannot attach, issues with SIMs, issues with radios, and suboptimal performance

Resources

All access training pass
On-demand
Courses
Schedule
Learning paths
Certifications

Key contacts

Americas: networking.training.ams@hpe.com
Europe, Middle East, Africa: networking.training.emea@hpe.com
Asia Pacific & Japan: networking.training.apj@hpe.com

Visit HPE.com

Chat now

© Copyright 2026 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty.
Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Trademark acknowledgments, if needed. All third-party marks are property of their respective owners.

HEWLETT PACKARD ENTERPRISE

HPE.com