

Deploying HP FlexNetwork Core Technologies Rev. 14.31

Course Summary

Description

Deploying HP FlexNetwork Core Technologies provides you with a comprehensive set of networking skills which will increase your capability to simplify the journey to a unified campus network. Upon course completion, you will be able to successfully implement and troubleshoot enterprise-level HP FlexNetwork solutions.

Comprehensive labs are included, and learners will have hands-on experience with Comware and ProVision switches, including configuring HP switches supporting Layer 2 and Layer 3 network redundancy, dynamic routing with OSPF and BGP, network optimization via QoS, and IP multicast routing supported network systems. Additionally, you will extend your knowledge of Intelligent Resilient Framework (IRF) and how switch virtualization technology simplifies network design and operation. HP Intelligent Management Center (IMC), which allows network engineers and technicians to quickly and easily configure Quality of Service (QoS) and end-user authentication technologies, is featured throughout the course.

Objectives

By the end of the course, students will be able to:

- Explain the HPE FlexNetwork Architecture.
- Understand and configure advanced dynamic routing protocols like multi-area OSPF and BGP.
- Configure and implement Router Redundancy with VRRP.
- Configure and implement Data Link Layer Redundancy with Spanning Tree protocols, UDLD/DLDP and Distributed Trunking.
- Configure and implement advanced network virtualization with IRF such as ISSU.
- Configure and implement Network Security with ACLs and Port Authentication.
- Deploy and manage the network with HPE Intelligent Management Center (IMC).
- Configure and implement network optimization technologies such as QoS.
- Configure and implement Multicasting with IGMP, PIM Spars and PIM Dense Mode.

Audience

IT Professionals who deploy enterprise/core solutions based on HP products and technologies, including HP Reseller Systems Engineers, Customer IT Staff, HP System Engineers, and HP Services Field and Call Center Support Engineers.

Prerequisites

FlexNetwork Solutions V2, **OR** Network Infrastructure (2011) is required.

Duration

40 hours