

Dell PowerSwitch Data Center Implementation and Administration

Course Description

Course Duration

40 Hours

Overview

The Dell PowerSwitch Data Center Implementation and Administration course is part of the certification training path leading to Dell Certified Specialist, Networking. This Instructor-led course provides the learner with an understanding of Data Center Networking Products, features, and implementation.

Audience

This course is intended for professionals those who configure, manage, and troubleshoot Dell Data Center Networking products. This course is delivered through instructor-led training with hands-on activities.

Prerequisite Knowledge/Skills

The pre-requisite for this course is that the student must have completed the Associate course Dell Networking Concepts and Features.

Course Objectives

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

- List the Dell Networking Data Center products and its features
- Describe uplink failure detection, its use cases, UFD components and configuration requirements.
- Configure and verify of VRRP, VLT OSPF, PBR, BGP and VRF.
- Describe network timing concepts. Configure and verify NTP, PTP and SyncE in OS10.
- Explain the concepts relating to IP Multicast technology, Identify the steps required to configure multicast I/O into an existing network environment using OS10.
- Describe the basic operations of QoS and use cases for QoS. Configure and verify QoS in OS10.
- Need for SmartFabric Services. Configuring and verifying Leaf-spine network using SmartFabric Services.

Course Outline

The content of this course is designed to support the course objectives.

- Dell PowerSwitch Data Center Implementation and Administration
 - Data Center Networking Overview
 - Virtual Router Redundancy Protocol(VRRP)

DELL Technologies

1 Dell Way
Round Rock Texas 78682

Dell PowerSwitch Data Center Implementation and Administration

Course Description

Course Duration

40 Hours

- Virtual Link Trunking
- Failure Detection
- Open Shortest Path First(OSPF)
- Border Gateway Protocol(BGP)
- Policy-Based Routing(PBR)
- Virtual Routing and Forwarding(PBR)
- Security
- Timing Protocols
- Multicast
- Quality of Service(QoS)
- SmartFabric Services and OMNI

Course Delivery Modes and Product Version Information

Refer to the **Product Version Description** document for a list of Delivery Modes and product versions covered by this course.

Copyright © 2022 Dell Inc. or its subsidiaries. All Rights Reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be the property of their respective owners. Published in the USA.

DELL Technologies

1 Dell Way
Round Rock Texas 78682