DELL Technologies

Dell PowerSwitch Data Center Deploy 2023

Certification Description

DELL Technologies

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Certification Overview
This certification validates the ability to perform intermediate skill level tasks in installing, configuring, maintaining, and troubleshooting Dell PowerSwitch Data Center Networking products.

Certification Requirements
To successfully complete this certification, a candidate must:

1. Have a sufficient knowledgebase/skill set through hands-on product experience and/or by consuming the recommended training.

2. Pass the Dell PowerSwitch Data Center Deploy 2023 Exam.

Note: These details reflect certification requirements as of May 19, 2023.

The Proven Professional Program periodically updates Certifications to reflect technical currency and relevance. Please check the Proven Professional website regularly for the latest information.

Dell Technologies Partners: Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Competencies provide partners with the ability to deliver services under their own brand or co-deliver with Dell Technologies. Tiered partners are eligible to obtain Services Competencies upon completing the specific requirements outlined in the [Services Competencies Matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

Exam Overview

This exam focuses on concepts related to the Data Center environment and
Dell Networking's S-Series and Z-Series products. Focus is on Dell Networking SmartFabric OS10-based protocols and features.

Products

Products likely to be referred to on this exam include but are not limited to:

- Dell Networking S-Series Switches
- Dell Networking Z-Series Switches

Exam Topics

Topics likely to be covered on this exam include:

Network Overview (5%)
- Identify the main components within the Data Center portfolio
- Review common Data Center networking topologies

FHRP (10%)
- Identify VRRP components
- Outline VRRP operation and behavior
- Configure and verify the operation of VRRP in OS10

Link Redundancy (20%)
- Describe the components that makeup a VLT configuration
- Configure and verify the operation of VLT in OS10
- Outline the components of UFD
- Configure and verify the operation of UFD in OS10

IP Routing (20%)
- Describe the components of OSPF
- Review the operation and behavior OSPF
- Configure and verify a single area of OSPF topology
- Outline the main components in BGP
- Configure and verify the operation of BGP
- Describe Policy-Based Routing (PBR) basic operations
- Configure and verify the operation of PBR

Security (10%)
- Configure and verify ACLs in OS10
- Outline the components of AAA security
- Configure and verify the operation of AAA Security in OS10

Data Center Technologies (30%)
- Describe the operation and use case for VRF
- Configure and verify the operation of VRF in OS10
- Outline the basic operation of QoS
- Review traffic identification, marking and prioritization in QoS
- Configure and verify the operation of QoS in OS10
- Outline the basic operation of IP Multicast
- Configure and verify IGMP and PIM protocols
- Configure and verify the operation of Multicast in OS10
- Outline the operation of NTP, PTP, and Synch-E
- Configure and verify the operation of Network timing protocols

Network Automation (5%)
- Describe the rationale for network automation
- Examine the components within Smart Fabric Services and OMNI
- Configure and verify operation of SFS and OMNI

The percentages after each topic above reflects the approximate distribution of the total question set across the exam.

Duration

90 minutes

Recommended Training

The following training is recommended for candidates preparing to take this exam.

Course Title	Course Number	Modality	Available
Dell PowerSwitch Datacenter Implementation and Administration	ESNETS04300	Classroom	2/3/2022
Dell PowerSwitch Datacenter Implementation and Administration	ESNETD04301	On Demand	1/19/2023

Note: These exam description details reflect contents as of May 19, 2023.