DELLTechnologies

Announcing DES-5122 Specialist – Implementation Engineer, PowerSwitch Campus Exam Retirement

The **Specialist – Implementation Engineer, PowerSwitch Campus Version 2.0** certification (DES-5122) will be replaced on May 19, 2023 by a new certification offering. The new certification is **Dell PowerSwitch Campus Deploy 2023** (D-PCM-DY-23)

This certification is a part of the [new](#) Proven Professional framework focused on skill and outcome-based solutions certifications that was announced on February 6th.

How will this impact you?

If you have already taken the aligned training or previously attempted the exam for the **Specialist – Implementation Engineer, PowerSwitch Campus Version 2.0** certification, plan to take the DES-5122 exam by **June 23, 2023.**

- [View the DES-5122 exam description and practice test »](#)

Once achieved, your credential, Specialist – Implementation Engineer, PowerSwitch Campus Version 2.0, will not expire.

If you're just beginning your certification journey, choose one of the new exams that aligns closest with the skills and knowledge you're looking to develop.

- **Dell PowerSwitch Campus Deploy 2023** (D-PCM-DY-23) Exam Description and Practice Test Coming Soon »

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Specialist – Implementation Engineer, PowerSwitch Campus Networking Version 2.0
Certification Description

[Proven Professional Website](#)

Engage with your peers in our [Proven Professional Community](#).

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

Certification Requirements
To complete the requirements for this certification you must:

1. Achieve one of the following credentials
   - [Associate - Networking Version 1.0](#)
   - [Associate - Networking Version 2.0](#)
   - [Specialist - Implementation Engineer, Campus Networking Exam](#)

2. Pass the following Implementation Exam
   - [DES-5122 Specialist - Implementation Engineer, PowerSwitch Campus Exam](#)

Note: These details reflect certification requirements as of November 4, 2022.

Dell Technologies Partners: Achieving a certification validates capability; however, it does not imply authorization to deliver services. Services Delivery 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 delivery competencies upon completing the specific requirements outlined in the [enablement matrix](#). Only partners that have met these requirements should be delivering their own services in lieu of Dell Technologies Services.

Other Certification Recommendations
Once you have achieved this Certification you may be interested in:
   - [Specialist – Implementation Engineer, Data Center Networking](#)

*The Proven Professional Program periodically updates certification requirements. Please check the [Proven Professional CertTracker](#) website regularly for the latest information and for other options to meet the Associate level requirement.

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DES-5122 Specialist – Implementation Engineer, PowerSwitch Campus Networking Exam

Exam Description

Part 1:

Duration
90 Minutes
(~60 Questions)

Pass Score
63%

Part 2:

Duration
30 Minutes
(~6 Simulations)

Pass Score
66%

[Simulator Demo](#)

Practice Test
Exam [DES-5122](#)

Dell Technologies
1 Dell Way
Round Rock Texas 78682

Overview

This exam is a qualifying exam for the **Specialist – Implementation Engineer, Campus Networking** track.

This exam focuses on concepts related to the Campus environment and Dell EMC Networking's N-Series products. Focus is on DNOS6-based protocols and features.

Dell Technologies provides free practice tests to assess your knowledge in preparation for the exam. Practice tests allow you to become familiar with the topics and question types you will find on the proctored exam. Your results on a practice test offer one indication of how prepared you are for the proctored exam and can highlight topics on which you need to study and train further. A passing score on the practice test does not guarantee a passing score on the certification exam.

Products

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

- Dell Networking N-Series Switches

Exam Topics

Topics likely to be covered on this exam include:

Networking Overview (10%)
- Explain the typical end-to-end data flow of a Campus network
- Identify common Campus networking topologies
- Outline the major components within the Dell Campus network portfolio

First Hop Redundancy Protocol-FHRP (11%)
- Identify the components and use cases for Virtual Router Redundancy Protocol
- Describe the operation and behavior of the Virtual Router Redundancy Protocol
- Configure and verify the operation of the Virtual Router Redundancy Protocol

IPv6 Stacking (11%)
- Identify the components and use cases of an MLAG solution
- Describe the operation and behavior of the MLAG solution
- Configure and verify the operation of the MLAG solution

IP Routing (20%)
- Compare and contrast policy-based routing (PBR) and traditional routing
- Configure and verify the operation of PBR
- Identify the components and use cases of Open Shortest Path First (OSPF)

- Describe the operation and behavior of Single Area Open Shortest Path First
- Configure and verify a Single Area Open Shortest Path First (OSPF) topology

Security (12%)
- Configure and verify Access Control Lists (ACLs) in OS6
- Describe the benefits and use cases for authentication, authorization, and accounting (AAA)
- Compare and contrast authentication, authorization, and accounting (AAA)
- Configure and verify OS6 local and remote users for administrative accounts

Campus Services (20%)
- Identify the components and use cases in a PoE solution
- Configure and Troubleshoot Power over Ethernet (PoE)
- Identify the components and use cases in a VoIP solution
- Configure and verify the operation of the Voice VLAN on an OS6 Switch
- Compare and contrast Differentiated Services Code Points (DSCP) and 802.1p (CoS)
- Configure and verify Differentiated Services Code Points DSCP and 802.1p (CoS)

IPv6 (10%)
- Describe the types and functions of IPv6 addresses
- Describe the IPv6 address format and address abbreviation
- Configure and verify IPv6 address assignment

Stacking (6%)
- Identify the components and use cases for stacking
- Configure and verify the operation of stacking in OS6

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

Recommended Training
The following curriculum is recommended for candidates preparing to take this exam.

Please complete the following courses

Course Title	Course Number	Mode	Available
Dell PowerSwitch Campus Implementation and Administration	ESNETS04060	Classroom	9/29/2022
Dell PowerSwitch Campus Implementation and Administration	ESNETD04061	On Demand	10/3/2022

Note: These exam description details reflect contents as of November 4, 2022.

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