



Announcing DES-4122 Specialist – Implementation Engineer, PowerEdge Exam Retirement

The **Specialist – Implementation Engineer, PowerEdge Version 2.0** certification (DES-4122) was replaced on September 29, 2023, by a new certification offering. The new certification is **Dell PowerEdge Operate 2023** (D-PE-OE-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 or are scheduled to complete the aligned training before September 29, 2023 or previously attempted the exam for the **Specialist – Implementation Engineer, PowerEdge Version 2.0** certification, plan to take the DES-4122 exam by **November 20, 2023**.

As of October 2, 2023, the PowerEdge Installation, Administration and Troubleshooting instructor led course will be updated to PowerEdge Features, Administration and Troubleshooting. The new PowerEdge Features, Administration and Troubleshooting course includes the same PowerEdge skills and has been updated to include the next generation of PowerEdge Servers. This new course will be one of the aligned trainings to prepare for the new Dell PowerEdge Operate 2023 exam.

- [View the DES-4122 exam description and practice test »](#)

Once achieved, your credential, Specialist – Implementation Engineer, PowerEdge 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 PowerEdge Operate 2023** (D-PE-OE-23): Find the new offering [here](#).



Specialist - Implementation Engineer, PowerEdge 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 EMC PowerEdge Server products.

Certification Requirements

To complete the requirements for this certification you must:

1. Achieve one of the following certifications*
 - Dell Certified Professional – PowerEdge (*Existing valid credentials only. Not available to earn anymore*)
 - Associate - PowerEdge Version 1.0
 - Associate - PowerEdge Version 2.0
 - Specialist – Implementation Engineer, PowerEdge Version 1.0
2. Pass the following Implementation Exam
 - [DES-4122 Specialist - Implementation Engineer, PowerEdge Exam](#)

Note: These details reflect certification requirements as of **February 18, 2022**.

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.

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.

Dell Inc.
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Massachusetts
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1-508-435-1000
In North America
1-866-464-7381



DES-4122 Specialist - Implementation Engineer, PowerEdge Exam

Exam Description



Part 1:

Duration

90 Minutes
(54 Questions)

Pass Score

63%

Part 2:

Duration

30 Minutes
(6 Simulations)

Pass Score

66%

A passing score is required on both parts of this exam.

Practice Test

Exam [DES-4122](#)

[Simulator Demo](#)

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Overview

This exam is a qualifying exam for the **Specialist - Implementation Engineer, PowerEdge** track.

This exam focuses installing, administering, and troubleshooting Dell EMC PowerEdge server products.

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 further study and train. 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:

- PowerEdge Rack Servers
- PowerEdge Tower Servers

Exam Topics

Topics likely to be covered on this exam include:

Server Platforms (7%)

- Define chassis form factors and numbering protocol, plus Tags
- Identify server features, specifications, and their roles, and FRUs

Server Components (25%)

- Define the different processor and memory modes, memory options, and memory configurations
- Identify power options and redundancy features, thermal features, and Liquid cooling
- Explain how expansion cards are connected and the features of the GPU, NDC and OCP options
- Define storage options, RAID levels, PERC, iDSDM, and BOSS

Server Management and Configuration Tools (18%)

- Define the function of the iDRAC, login procedures, licensing, and connection methods
- Explain configuration options and Virtual Console/Media in iDRAC9
- Define the function of the LCC, access methods, and options
- Explain the role and features of the System Setup Utility and the iDRAC BIOS settings
- Explain Configuration Validation

Server Troubleshooting and Maintenance (27%)

- Explain troubleshooting guidelines, and identify LCD/LEDs and indicators



- Identify issues using the iDRAC dashboard, logs, the iDRAC troubleshooting section, and LCC options
- Explain Easy Restore, diagnostic utilities, and hardware diagnostic options
- Explain at-the-box management options

Server Security (10%)

- Define the role and function of the Trusted Platform Module
- Identify the iDRAC9 security options
- Define the role of Root of Trust, Boot Guard and Automatic BIOS recovery
- Explain the features and uses of BIOS/UEFI Recovery and the Secure Boot Certificate

Systems Management (13%)

- Describe server maintenance and update in PowerEdge system
- Identify the function of OpenManage Server Administrator
- Identify the function of the iDRAC Service Module
- Define the role of SupportAssist Enterprise and explain how to run a collection and examine the contents
- Define the role of OpenManage Enterprise, its architecture and UI

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.

Dell Technologies Employees, Partner and Customer audiences:

Please complete one of the following courses

Course Title	Course Number	Mode	Available
Dell EMC PowerEdge Installation Administration and Troubleshooting	ES102SVR01827	On Demand	01/6/22
	ESSVRS02244	Virtual Classroom	01/17/22

Note: These exam description details reflect contents as of **February 18, 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.

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