DELLTechnologies

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.
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

DELL Technologies

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 <u>both</u> parts of this exam.

Practice Test
Exam DES-4122

Simulator Demo

Dell Inc.
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America
1-866-464-7381

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.