

Specialist - Implementation Engineer, PowerEdge Version 2.0

Certification Description



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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 September 04, 2020.

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 Inc.
Hopkinton
Massachusetts
01748-9103
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 external chassis features and their roles, chassis options and FRUs

Server Components (25%)

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

Server Management and Configuration Tools (18%)

- Define the function of the iDRAC, login procedures, the iDRAC8 UI, licensing, and connection methods
- Identify the differences between iDRAC8 and iDRAC9, explain configuration options and Virtual Console/Media
- Define the function of the LCC, access methods, and options
- Explain the role of the System Setup Utility, options and iDRAC BIOS settings

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 Boot Guard
- Explain the features and uses of BIOS/UEFI Recovery and the Secure Boot Certificate

Systems Management (13%)

- Define the role of Systems Management, methods and protocols
- Identify the function of OpenManage Server Administrator
- Identify the function of the iDRAC Service Module
- Define the role of SupportAssist Enterprise, plus explain how to run a collection and examine the contents
- Define the role of OpenManage Essentials and OpenManage Enterprise and identify differences between them

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:

Please complete one of the following courses

Course Title	Course Number	Mode	Available
Dell EMC PowerEdge Installation Administration and Troubleshooting	ES102SVR01827	On Demand	6/25/20
	SV_SYS_1083	Virtual Classroom	7/25/20

Dell Technologies 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	9/4/20
	ESSVRS02244	Virtual Classroom	9/4/20
	ESSVRP02246	Private Classroom	9/4/20

Note: These exam description details reflect contents as of **September 04, 2020**.

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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