



# Announcing DES-4121 Specialist – Implementation Engineer, PowerEdge Exam update

The **DES-4121 exam** that supports the Specialist – Implementation Engineer, PowerEdge Version 1.0 certification **will be retired on September 03, 2020**. This exam will be replaced by a new exam DES-4122 with simulation testing contents and the Specialist-level **credential version** will revise **from 1.0 to 2.0**.

The replacing exam and certification cover the latest generations of PowerEdge servers and enables the skills to install, administrate, and troubleshoot the systems.

## **How will this impact me?**

If you have taken or plan to take the *Dell PowerEdge Installation, Management and Diagnostics* course **May 31, 2020** please plan to take the **DES-4121** exam before **September 04, 2020**.

- [\*\*View the DES-4121 exam description and practice test \(effective until September 03, 2020\) »\*\*](#)
- [\*\*View the DES-4122 exam description and practice test \(effective on or after September 04, 2020\) »\*\*](#)

Your credential 'Specialist – Implementation Engineer, PowerEdge Version 1.0' once achieved, will not expire. As a certified Dell Technologies Proven Professional, you will continue to gain access to exclusive program benefits.

## Specialist - Implementation Engineer, PowerEdge Version 1.0

### Certification Description



[Proven Professional Website](#)

[Education Services 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 Associate level certifications\*
  - CompTIA Server+
  - Dell Certified Associate – PowerEdge
  - Dell Certified Professional – PowerEdge
  - Associate - PowerEdge Version 1.0
2. Pass the following Implementation Exam
  - [DES-4121 Specialist - Implementation Engineer, PowerEdge Exam](#)

Note: These details reflect certification requirements as of March 30, 2018.

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-4121 Specialist - Implementation Engineer PowerEdge Exam **retiring on September 03, 2020**

### Exam Description



#### Overview

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

This exam focuses on deploying, configuring, maintaining 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 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:

- PowerEdge Rack Servers
- PowerEdge Tower Servers

#### Duration

90 Minutes  
(60 Questions)

**Pass Score: 63**

#### Practice Test

Exam [DES-4121](#)

#### Exam Topics

Topics likely to be covered on this exam include:

##### Install (29%)

- Interpret System Hardware Configuration
- Install Server hardware, Update firmware
- Perform initial server/hardware setup

##### Configure (33%)

- Configure Server Storage, System Setup iDRAC, LifeCycle Controller

##### Maintain (16%)

- Perform server firmware updates
- Install and configure support and management tools

##### Troubleshoot (22%)

- Troubleshoot hardware and Configuration issues

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:

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Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000  
In North America



1-866-464-7381

**Please complete either of the following courses**

Course Title	Course Number	Mode	Available
Dell PowerEdge Installation, Management and Diagnostics	SV_SYS_1083 / ES102SVR00119	eLearning + Virtual Instructor-Led	March 2018

**Dell Technologies Partner and Customer audiences:**

**Please complete either of the following courses**

Course Title	Course Number	Mode	Available
Dell PowerEdge Installation, Management and Diagnostics	DESPR-818-3525 / DESILT-818-3524 / DESILT-818-3525 / DESNOLT-818-6466	Private CR / Classroom / Virtual Classroom / On-Demand Course	March 2018

Note: These exam description details reflect contents as of **March 30, 2018**.

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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Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.

## Specialist - Implementation Engineer, PowerEdge Version 2.0 will be effective from September 04, 2020

### Certification Description



[Proven Professional Website](#)

[Education Services 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:

3. 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
4. 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

## DES-4122 Specialist - Implementation Engineer PowerEdge Exam

### Exam Description



#### Part 1:

##### Duration

90 Minutes  
(54 Questions)

##### Pass Score

63%

#### Part 1:

##### Duration

30 Minutes  
(6 Questions)

##### Pass Score

66%

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

#### Practice Test

Exam [DES-4122](#)

#### [Simulator Demo](#)

#### Dell Inc.

Hopkinton  
Massachusetts  
01748-9103  
1-508-435-1000

#### 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 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:

- 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, IDSDM, 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, and 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 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 either of the following courses**

Course Title	Course Number	Mode	Available
Dell EMC PowerEdge Installation, Administration and Troubleshooting	ES102SVR01827	On Demand	06/25/20

**Dell Technologies Partner and Customer audiences:**

**Please complete one of the following courses**

Course Title	Course Number	Mode	Available
Dell PowerEdge Installation, Management and Diagnostics	DESPR-818-3525 / DESILT-818-3524 / DESILT-818-3525 / DESNOLT-818-6466	Private CR / Classroom / Virtual Classroom / On-Demand Course	7/15/20

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

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