

# Dell PowerEdge Foundations 2023

## Certification Description



### [Proven Professional Website](#)

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

### Certification Overview

This certification validates the ability to understand servers and their associated technologies, networking, applications, maintenance, and security specifically for Dell PowerEdge Server products.

### Certification Requirements

To successfully complete this certification, a candidate must:

1. Have a sufficient knowledge base/skill set through hands-on product experience and/or by consuming the Recommended Training.
2. Pass the [Dell PowerEdge Foundations 2023 Exam](#)

Note: These details reflect certification requirements as of **November 24, 2023**.

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

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

### Dell Technologies

1 Dell Way  
Round Rock Texas 78682

## Dell PowerEdge Foundations 2023 Exam

### Exam Description



#### Exam Overview

This certification validates the ability to understand servers and their associated technologies, networking, applications, maintenance, and security specifically for Dell PowerEdge Server products.

#### Products

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

- PowerEdge Rack Servers
- PowerEdge Tower Servers
- PowerEdge Modular Servers
- PowerEdge Cloud Servers

#### Duration

90 Minutes  
(42 Questions)

#### Pass Score

63%

#### Practice Test

[D-PE-FN-23](#)

#### Exam Topics

Topics likely to be covered on this exam include:

##### Introduction to Servers (30%)

- Describe the different types of servers
- Identify storage components
- Navigate to storage menu using the iDRAC UI
- Explain RAID concepts
- Create virtual disk using the iDRAC UI
- Explain server system setup
- Reboot server into system setup and create RAID storage
- Attach virtual memory and install the Windows operating system

##### Server Networking (11%)

- Distinguish between the types of roles and applications that servers perform
- Differentiate between the different types of Ethernet cables, the Ethernet speeds, Ethernet standards, and Network Daughter Cards (NDC)
- Describe the internet protocols and IP addressing and how to configure an IP address
- Understand the different types of network services
- Describe Virtualization and its benefits in the server infrastructure

##### Server Maintenance (46%)

- Differentiate between server components
- Identify the different server management applications
- Describe server power distribution
- Explain server environments and maintenance
- Explain how servers are monitored for benchmark performance using unique tools
- Understand server troubleshooting tasks
- Manage server configuration and apply change management

#### Dell Technologies

1 Dell Way  
Round Rock Texas 78682

### Server Security (13%)

- Define server security
- Explain how to accomplish server security
- Understand data backup (e.g. data backup plans, data backup policies, and backup execution.)
- Analyze storage solutions

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

### Exam Preparation

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.

### Recommended Training

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

#### Please complete the following course:

Course Title	Course Number	Modality	Available
Dell PowerEdge Server Concepts Introduction to Servers	ESSVRD05641	On Demand	5/5/2023

Note: These exam description details reflect contents as of **November 24, 2023**.

Copyright © 2023 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell, EMC, Dell EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners. Published in the USA [09/23]

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