

Dell Technologies

Dell PowerEdge Foundations 2023

D-PE-FN-23

Certification Description



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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 knowledgebase/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.

Exam Overview

This exam 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 on this exam include but are not limited to:

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

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

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.

Duration

90 minutes

Recommended Training

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

| 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.

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