

Dell PowerEdge Operate 2023

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 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 Operate 2023 Exam.

Note: These details reflect certification requirements as of September 29, 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 perform intermediate skill level tasks in implementing, configuring, upgrading, maintaining, and troubleshooting Dell PowerEdge Server products.

Products

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

- PowerEdge Servers
- PowerEdge Components
- Out-of-Band Management Tools
- In-Band Management Tools
- Service Tools

Exam Topics

Topics likely to be covered on this exam include:

Server Portfolio and Features (10%)

- Define chassis form factors and numbering nomenclature
- Identify sever features and specifications
- Position the server in the market landscape

Server Components (26%)

- Define the different processor, 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, LOM, and OCP options
- Define storage options, Drives, PERC, IDSDM, and BOSS
- Analyze server security features

Server Management and Configuration Tools (14%)

- Define the function of the iDRAC, login procedures, licensing, and connection methods
- Explain the management interface options - LCC, racadm, OMSA, iSM, OME
- Define in-band and OOB management and at-the-box-management

System Administration (18%)

- Verify health status and iDRAC license
- Configure BIOS, Storage, virtual media, networking, user access, lockdown mode and group management

Server Troubleshooting (32%)

- Analyze the visual indicators on server components - system ID, PSU, and BLINK
- Explain Easy Restore, diagnostic utilities, and hardware diagnostic options
- Export an SCP file and run a log collection
- Explain Configuration Validation, crash capture, and minimum to POST
- Explain the server logs and memory error

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

Duration

120 minutes

Recommended Training

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

Course Title	Course Number	Modality	Available
Dell PowerEdge Features	ESSVRD05997	On Demand	8/28/2023
Dell PowerEdge Administration	ESSVRD05893	On Demand	8/28/2023
Dell PowerEdge Troubleshooting	ESSVRD05894	On Demand	8/29/2023

Note: These exam description details reflect contents as of September 29, 2023.

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