DELL POWEREDGE FEATURES, ADMINISTRATION AND TROUBLESHOOTING WITH IDRAC 10

Course Code: 821608

Learn to identify system features, perform essential administrative tasks, and apply effective troubleshooting techniques on Dell PowerEdge servers

This three-day instructor-led course provides an overview of Dell PowerEdge servers across the 15th, 16th, and 17th generations.

Participants will learn to identify system features, perform essential administrative tasks, and apply effective troubleshooting techniques on Dell PowerEdge servers.

The course delivers best practice information through a combination of instructor-led training and hands-on lab activities using iDRAC 10.

Practical skills are reinforced through scenario-based training to ensure real-world applicability.

Note: The D-PE-OE-01 certification exam is not included
Updated March2026

What You'll Learn

Upon successful completion of this training, participants should be able to:

- Identify PowerEdge platforms and distinguish their external and internal physical features.
- Explore server processor, memory, power, and storage settings using the iDRAC user interface.
- Examine cooling systems, I/O cards, and security configurations through the iDRAC user interface.
- Analyze the features and functions of Dell PowerEdge management and monitoring interfaces, including iDRAC and related tools.
- Manage virtual media and virtual console, configure lockdown mode, create virtual disks through iDRAC user interface.
- Interpret visual indicators, logs and memory errors.
- Recovery features such as Parts Replacement Configuration and Easy Restore enable restoration of system functionality after firmware or boot-related failures.
- Applying fault isolation tools to effectively pinpoint issues across different server generations, ensuring accurate and efficient troubleshooting.

- Evaluate vendor-specific GPU diagnostic tools and utilities to verify GPU detection, power delivery, and thermal conditions.

Who Needs to Attend

- System administrators and support engineers responsible for deploying, configuring, managing, and troubleshooting Dell PowerEdge servers in enterprise environments.

Prerequisites

Basic understanding of Dell Technologies.

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VIRTUAL CLASSROOM LIVE	$2,400 USD	3 Day

Virtual Classroom Live Outline

Features

- PowerEdge Portfolio
- Chassis Design
- iDRAC Introduction
- 17G vs 16G Major Components
- Power Supply Unit
- Storage
- Thermal: Air Cooling
- Thermal: 16G and 17G Liquid Cooling
- Network and I/O Cards
- PCIe Expansion Card
- PowerEdge Security

Administration

- Management and Monitoring Interface
- Out-of-Band Management Utilities
- In-Band Management Utilities
- iDRAC: Functionality
- RAID Level Migration
- GPU Management
- Liquid Cooling

Troubleshooting

- Guidelines and Resources
- Visual Indicator
- Recovery Option
- Logs
- Fault Isolation Tool

- Memory Event Logging
- GPU Troubleshooting Tools

Virtual Classroom Live Labs
- Labs provided by Dell for this course

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.