

DELL POWEREDGE FEATURES, ADMINISTRATION AND TROUBLESHOOTING

Course Code: 821608

This course is part of the recommended training path leading to the Dell Technologies specialist certification for PowerEdge Implementation Engineers.

This course is a three-day instructor led training. The training instructs the participant on successfully installing, managing, and troubleshooting Dell PowerEdge servers, providing best practice information.

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What You'll Learn

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

- Demonstrate knowledge of key server components.
- Identify hot swap components.
- Describe the role and features of the iDRAC9 and Lifecycle Controller.
- Access and navigate the iDRAC9 and Lifecycle Controller user interfaces to configure and manage PowerEdge servers.
- Configure RAID storage using the iDRAC user interface, Lifecycle Controller and OMSA.
- Backup and restore the server profile.
- Update component firmware.
- Perform SupportAssist Collections using iDRAC9.
- Install OpenManage Server Administrator (OMSA) and the iDRAC Service Module (iSM).
- Use the iDRAC to validate hardware health status.
- Troubleshoot system issues using available diagnostic tools.

Who Needs to Attend

This course is intended for System Administrators and others who install, configure, manage, and troubleshoot Dell EMC PowerEdge Rack and Tower products.

Prerequisites

Suggested prerequisite course:

- Dell EMC PowerEdge Server Concepts

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VIRTUAL CLASSROOM LIVE

\$3,120 CAD

3 Day

Virtual Classroom Live Outline

- **Portfolio Overview**
 - ☒ High level view of 13G, 14G and 15G Dell EMC PowerEdge servers
 - ☒ Specifications- 13G, 14G, and 15G servers
- **Server Components**
 - ☒ Processors and Memory
 - ☒ Power and Cooling
 - ☒ Expansion and Networking
 - ☒ Storage and GPU
- **Server Security**
 - ☒ Trusted Platform Module
 - ☒ Silicon-Based Hardware Root-of-Trust (ROT)
 - ☒ Boot Guard
 - ☒ BIOS/UEFI Recovery and Secure Boot/Erase
- **Configuration Validation**
 - ☒ Configuration Validation Process
 - ☒ Hardware Configuration Error Messages
- **Server Administration**
 - ☒ Server Management in iDRAC
 - ☒ Manage server using the Lifecycle Controller
 - ☒ System Setup Utility
 - ☒ System Management Software
 - ☒ GPU Management
 - ☒ System LCD/ LEDs
 - ☒ Server Maintenance and Update
- **Server Troubleshooting**
 - ☒ Troubleshooting using System Management Tools
 - ☒ Troubleshooting Hardware Issue
 - ☒ At-the-Box Management

Mar 2 - 4, 2026 | 9:00 AM - 5:00 PM CST

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