

Dell PowerEdge Features, Administration, and Troubleshooting

Overview:

This three-day instructor-led course (formerly known as Installation, Administration, and Troubleshooting) will assist the participant to successfully install, manage, and troubleshoot Dell PowerEdge servers, providing best practice information via instructor-led training and hands-on activities. This course is maintained to include the latest generations of Dell PowerEdge rack and tower servers. For the students new to servers, we recommend successfully completing Dell PowerEdge Server Concepts prior to taking this course. This course is part of the recommended training for the Dell PowerEdge Operate 2023 certification. (Certification exam not included.)

Audience:

This course is intended for individuals who install, manage, and troubleshoot Dell PowerEdge servers.

Course Objectives

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

- Identify the function of server components.
- Perform PowerEdge administration activities.
- Use the iDRAC UI troubleshooting tools

Course Outline

The content of the Features course is designed to support the course objectives:

- Chassis Features
- iDRAC Introduction
- Processors
- Memory
- Power
- Storage
- Air Cooling
- Liquid Cooling
- Networking and I/O Cards
- PCIe Expansion Cards

- Server Security

The content of the administration course is designed to support the course objectives:

- Management and Monitoring Interfaces
- In-Band Management Utilities
- Out-of-Band Management Tools
- Attaching Virtual Media
- Configuring Storage
- Configuring Networking
- Configuring User Access
- Configure Lockdown Mode
- Configure Group Management

The content of the troubleshooting course is designed to support the course objectives:

- Guidelines and Resources
- Visual Indicators
- Recovery Options
- Logs
- Fault Isolation Tools
- Memory
- GPU