



Day 1: Introduction to Dell™ PowerEdge™ Blade Servers 1.1 Overview of Blade Servers

- 1.1.1 Advantages and Benefits
- 1.1.2 Key Components

1.2 Dell™ PowerEdge™ Blade Server Models

- 1.2.1 Comparison of Models
- 1.2.2 Choosing the Right Model

1.3 Blade Server Hardware Overview

- 1.3.1 Blade Enclosures
- 1.3.2 Blade Modules
- 1.3.3 Interconnects and Networking

Day 2: Blade Server Configuration 2.1 Initial Hardware Setup

- 2.1.1 Rack Mounting
- 2.1.2 Power and Cabling

2.2 Blade Server BIOS Configuration

- 2.2.1 Accessing BIOS
- 2.2.2 BIOS Settings and Best Practices

2.3 RAID Configuration and Storage

- 2.3.1 RAID Levels
- 2.3.2 Storage Best Practices

Day 3: Operating System Installation and Configuration 3.1 OS Installation Methods

- 3.1.1 Installation from CD/DVD
- 3.1.2 Network Installation

3.2 OS Configuration and Optimization

- 3.2.1 Device Drivers
- 3.2.2 Performance Tuning



Day 4: Troubleshooting and Diagnostics 4.1 Common Blade Server Issues

- 4.1.1 Power and Hardware Failures
- 4.1.2 Network and Connectivity Problems

4.2 Using Dell Diagnostics

- 4.2.1 Running Diagnostic Tests
- 4.2.2 Interpreting Diagnostic Results

4.3 Remote Management and Monitoring

- 4.3.1 iDRAC Configuration
- 4.3.2 Remote Console Access

Day 5: Advanced Topics and Best Practices 5.1 High Availability and Redundancy

- 5.1.1 Failover and Clustering
- 5.1.2 Redundant Power and Networking

5.2 Firmware and Driver Updates

- 5.2.1 Importance of Updates
- 5.2.2 Update Methods

5.3 Security Considerations

- 5.3.1 Server Hardening
- 5.3.2 Access Control

5.4 Best Practices and Future Trends

- 5.4.1 Performance Optimization
- 5.4.2 Blade Server Trends

Conclusion and Certification 6.1 Recap and Review

- 6.1.1 Key Takeaways
- 6.1.2 Questions and Discussion

6.2 Certification Exam (if applicable)

- 6.2.1 Exam Format



- 6.2.2 Passing Criteria