



Dell PowerEdge XE Operate

D-PEXE-OE-00



Exam Description:

Step into the future of high-performance computing and AI infrastructure with the PowerEdge XE Operate certification. Whether you're looking to deepen your technical expertise or unlock new career opportunities, this certification validates your foundational knowledge of Dell PowerEdge XE servers—the powerhouse behind cutting-edge HPC, AI, and Generative AI solutions. Validate critical skills in server management and monitoring, equipping you to support mission-critical workloads with confidence.

Whether you're deploying AI workloads or managing HPC clusters, this certification ensures you're equipped to keep PowerEdge XE systems running at peak performance.

Target Audience:

Individuals in IT-related roles who seek the knowledge and skills to manage and monitor a PowerEdge XE-series server in AI and HPC implementations: System Administrators, IT Infrastructure Engineers, Data Center Technicians, Technical Support Engineers, IT Consultants, AI/ML Engineers, HPC/AI Operations Specialists

Exam Details:

Duration: 90 mins # of Questions: 42 Available Languages: English, French

Recommended Training:

Course Title	Course Number	Modality	Duration
PowerEdge XE Administration	ESSVRD06905	On Demand	8h 00m
Dell PowerEdge Server Concepts	ESSVRD05641	On Demand	4h 30m

Exam Blueprint:

Scaling Solutions 19%

- Add a cluster and provision nodes
- Modify cluster configurations to accommodate increased workloads
- Integrate compute for GPU nodes into an existing system architecture
- Ensure compatibility with third-party tools and partner technologies
- Connect new nodes to the cluster
- Verify node readiness using iDRAC
- Verify node readiness using cluster management tools

System Continuity 10%

- Configure nodes to function within the cluster by applying specific hardware and network settings
- Perform testing to validate node performance
- Use monitoring tools to maintain uptime for critical AI workloads

Firmware Management 14%

- Log into the system using iDRAC
- Log into BMC
- Perform firmware updates
- Identify baseline firmware for all components
- Update firmware to ensure compatibility with partner technologies

System Monitoring 26%

- Stress test the GPU nodes
- Perform health checks of hardware components
- Use BMC dashboards to identify early warning signs
- Use the iDRAC dashboard to identify early warning signs
- Perform visual inspections in cases where automated monitoring is unavailable
- Monitor resource usage to optimize performance

Troubleshooting 26%

- Access system logs
- Interpret log file output
- Send log files to TechDirect
- Identify Critical alerts
- Use iDRAC diagnostic tools to pinpoint issues
- Use cluster logs to pinpoint issues
- Address hardware failures
- Correct errors in cluster configurations
- Replace faulty nodes

Security 5%

- Implement authentication at the switch level based on customer policies
- Implement security measures based on customer policies