BLACKBIRD FOR TRAINING

Installation, Storage & Compute with Windows Server (M55341)

24 – 28 May 2027
Barcelona (Spain)



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Introduction

Server infrastructure is a core component of modern organizational environments, supporting business applications, data services, and operational continuity. As digital systems continue to expand, the ability to properly install servers, manage storage resources, and optimize compute performance has become essential for maintaining reliability and efficiency. Poor configuration, insufficient resource management, or unplanned downtime can directly affect productivity and service quality.

The Installation, Storage & Compute with Windows Server M55341 course is designed to address these operational challenges by providing structured and practical knowledge focused on server deployment and infrastructure management. The course targets system administrators, infrastructure specialists, technical team leaders, and managers who are responsible for maintaining stable and secure server environments. It is especially suitable for professionals with foundational experience who want to strengthen their practical capabilities.

The practical value of this course lies in its focus on real server environments and operational scenarios. Participants gain the skills required to deploy server systems, manage storage architectures, and control compute resources effectively. These capabilities help organizations improve resource utilization, reduce operational risk, and support scalable and resilient infrastructure platforms.

Course Objectives

The Installation, Storage & Compute with Windows Server M55341 course aims to strengthen intermediate-level skills related to server infrastructure management. The objectives focus on applied knowledge that supports daily operational responsibilities.

- Understand enterprise server architecture and operating system fundamentals.
- Perform server installation using structured best practices.
- Manage and organize storage resources efficiently.
- Control and optimize compute and processing resources.
- Build stable and scalable server environments.
- Analyze and resolve common server-related issues.
- Support high availability and operational continuity.
- Prepare for professional certification pathways related to server technologies.



Course Outlines

Day One: Server Installation and Initial Configuration Fundamentals

- Review of enterprise server infrastructure concepts.
- Understanding hardware and software installation requirements.
- Performing structured server installation procedures.
- Configuring core server roles and services.
- Managing initial system settings and security baselines.
- Practical exercises based on installation scenarios.

Day Two: Storage Management and Data Architecture

- Understanding storage types and enterprise use cases.
- Configuring disks and storage volumes.
- Managing logical storage structures.
- Optimizing storage efficiency and capacity usage.
- Protecting data integrity and availability.
- Analysis of practical storage management scenarios.

Day Three: Compute Resource Management and Optimization

- Understanding how compute resources operate within servers.
- Monitoring resource utilization and performance indicators.
- Allocating and balancing workloads effectively.
- Adjusting system settings to improve responsiveness.
- Identifying and resolving performance bottlenecks.
- Practical exercises focused on resource optimization.

Day Four: High Availability and Performance Optimization

- Understanding high availability concepts in server environments.
- Designing systems to minimize downtime.
- Improving server performance under varying workloads.
- Handling planned and unplanned service interruptions.
- Implementing continuity and recovery strategies.
- Reviewing case-based availability planning scenarios.



Day Five: Integrated Implementation and Final Evaluation

- Comprehensive review of all course topics.
- Implementing an end-to-end server management scenario.
- Integrating installation, storage, and compute components.
- Evaluating system stability and operational performance.
- Assessing understanding through applied technical activities.
- Summarizing key concepts and identifying next development steps.

Why Attend This Course: Wins & Losses!

- Designed specifically for intermediate-level professionals.
- Improves server infrastructure reliability and efficiency.
- Reduces system downtime and operational disruptions.
- Supports business continuity and service stability.
- Provides practical knowledge aligned with real environments.
- Applicable across multiple organizational sectors.
- Enhances readiness for advanced infrastructure roles.
- Strengthens technical team performance and consistency.

Conclusion

The Installation, Storage & Compute with Windows Server M55341 course provides a structured and practical framework for managing server infrastructure in modern organizations. It is designed for professionals with intermediate experience who seek to deepen their operational skills and improve infrastructure reliability.

By combining server installation, storage management, and compute optimization, the course enables participants to build resilient and scalable systems. The emphasis on applied scenarios ensures that learning outcomes translate directly into improved operational performance.

Overall, this course represents a valuable step for individuals and organizations aiming to strengthen infrastructure stability, reduce operational risk, and support sustainable digital operations.

