Windows Server Installation, Storage and Compute Training

Duration: **5 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

Overview

This five-day course is designed primarily for information technology (IT) professionals who have some experience with Windows Server. It is designed for professionals who will be responsible for managing storage and compute by using Windows Server 2025, and who need to understand the scenarios, requirements, and storage and compute options that are available and applicable to Windows Server 2025.

Much of the course is based on configuration using the new Windows Admin Centre and Windows PowerShell.

Prerequisites

Participants should have:

- A basic understanding of networking fundamentals.
- An awareness and understanding of security best practices.
- A basic understanding of Active Directory Domain Services (AD DS) concepts.
- Basic knowledge of server hardware.
- Experience supporting and configuring Windows client operating systems, such as Windows 8, Windows 10 or Windows 11.

Target Audience

This course is intended for IT professionals who have some experience working with Windows Server, and who are looking for a single five-day course that covers storage and compute technologies in Windows Server 2025. This course will help them update their knowledge and skills related to storage and compute services for Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 and Windows Server 2022.

Candidates suitable for this course would be:

- Windows Server administrators who are relatively new to Windows Server administration and related technologies, and who want to learn more about the storage and compute features in Windows Server 2025. This course is also suitable for understanding Windows Server 2012 R2 and later.
- IT professionals with general IT knowledge, and who are looking to gain knowledge about Windows Server, especially around storage and compute technologies in Windows Server 2025. This course is also suitable for understanding Windows Server 2012 R2 and later.

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What You Will Learn

By the end of this course, learners will be able to:

- Prepare and install Windows Server 2025 including Server Core, and optional features on demand
- Prepare for Hybrid integration with Microsoft Azure
- Implement Azure ARC and onboarding on-premises devices
- Plan a server upgrade and migration strategy
- Describe the various storage options, including partition table formats, basic and dynamic disks, file systems, virtual hard disks, and drive hardware, and explain how to manage disks and volumes
- Describe enterprise storage solutions, and select the appropriate solution for a given situation
- Plan for data migration and implement Storage Migration Service and Storage Replica
- Implement and manage Storage Spaces and Data Deduplication
- Implement secure file sharing using SMB over QUIC
- Install and configure Hyper-V, and configure and manage virtual machines
- Deploy, configure, and manage Windows Subsystem for Linux (WSL)#
- Plan, create, and manage a failover cluster
- Implement failover clustering for Hyper-V virtual machines
- Implement Hyper-V Replica
- Install and configure Windows Admin Centre