



## Windows Server Installation and Configuration



12 - 16 August 2024  
Paris (France)



# Windows Server Installation and Configuration

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## Introduction:

This training program provides participants with comprehensive knowledge and practical skills essential for effectively installing, configuring, and managing Windows Server environments. It empowers them to ensure the reliability, efficiency, and security of their server infrastructure.

## Program Objectives:

At the end of this program, participants will be able to:

- Understand the core components and functionalities of Windows Server.
- Learn techniques for installing and configuring Windows Server.
- Develop skills in managing and maintaining Windows Server environments.
- Gain insights into best practices for optimizing server performance and security.
- Enhance capabilities in troubleshooting and resolving server-related issues.

## Targeted Audience:

- System Administrators.
- IT Professionals.
- Network Administrators.
- IT Support Specialists.
- Server Engineers.

## Program Outline:

### Unit 1:

#### Introduction to Windows Server:

- Overview of Windows Server and its key features.
- Understanding different editions and versions of Windows Server.
- Core components and architecture of Windows Server.

- Exploring the Windows Server interface and tools.
- Basic server roles and features.

## Unit 2:

### Installation and Configuration:

- Planning and preparing for Windows Server installation.
- Step-by-step installation process of Windows Server.
- Configuring initial server settings and options.
- Setting up server roles and features.
- Installing and managing server updates and patches.

## Unit 3:

### Managing Windows Server Environments:

- User and group management.
- Implementing and managing Active Directory.
- Configuring and managing file and storage services.
- Setting up and managing network services.
- Automating administrative tasks using PowerShell.

## Unit 4:

### Optimizing Server Performance and Security:

- Best practices for optimizing server performance.
- Configuring and managing security settings.
- Implementing and managing Windows Firewall.
- Monitoring server performance and resource usage.
- Performing regular backups and disaster recovery planning.

## Unit 5:

## Troubleshooting and Maintenance:

- Common troubleshooting techniques and tools.
- Resolving hardware and software issues.
- Managing and troubleshooting network connectivity.
- Maintaining server health and performance.
- Case studies on server troubleshooting.