WS-011T00 Windows Server 2019 Administration

Price	Duration	Delivery Methods
$2,975.00	5 Days	VILT, Private Group

SATV Eligible

> The course teaches IT professionals the fundamental administration skills required to deploy and support Windows Server 2019 in most organizations.

Who Should Attend

This course is intended for Information Technology (IT) Professionals who have some experiencing working with Windows Server and are looking for a single five-day course that covers core administration components and technologies in Windows Server 2019.

Course Objectives

After completing this course, students will be able to:

- Use administrative techniques and tools in Windows Server 2019.
- Implement identity Services.
- Manage network infrastructure services.
- Configure file servers and storage.
- Manage virtual machines using Hyper-V virtualization and containers
- Implement high availability and disaster recovery solutions.
- Apply security features to protect critical resources.
- Configure Remote Desktop Services.

Click Here to View Course Online and Enroll

May 17 - May 21, 2021	8:00AM - 4:00PM Central	
5 Days	Virtual Instructor Led	**GTR**
Jun 07 - Jun 11, 2021	8:00AM - 4:00PM Central	
5 Days	Virtual Instructor Led	**GTR**
Jun 21 - Jun 25, 2021	8:00AM - 4:00PM Central	
5 Days	Virtual Instructor Led	**GTR**
Jul 19 - Jul 23, 2021	8:00AM - 4:00PM Central	
5 Days	Virtual Instructor Led	**GTR**
Aug 02 - Aug 06, 2021	8:00AM - 4:00PM Central	
5 Days	Virtual Instructor Led	**GTR**

- Configure a virtual machine-based desktop infrastructure deployment.
- Implement remote access and web services.
- Implement service monitoring and performance monitoring, and apply troubleshooting.
- Perform upgrades and migration related to AD DS, and storage.

Agenda

1 - WINDOWS SERVER ADMINISTRATION OVERVIEW

- Introducing Windows Server 2019
- Windows Server Core Overview
- Windows Server administration principles and tools overview

2 - IDENTITY SERVICES IN WINDOWS SERVER

- AD DS Overview
- Deploying Windows Server domain controllers
- Azure AD overview
- Implementing Group Policy
- Active Directory Certificate Services overview

3 - NETWORK INFRASTRUCTURE SERVICES IN WINDOWS SERVER

- Deploying and managing DHCP
- Deploying and managing DNS service
- Deploying and managing IPAM
- Remote Access Services in Windows Server

4 - FILE SERVERS AND STORAGE MANAGEMENT IN WINDOWS SERVER

- Volumes and File Systems in Windows Server
- Implementing sharing in Windows Server
- Implementing Storage Spaces in Windows Server
- Implementing Data Deduplication
- Implementing iSCSI
- Deploying Distributed File System

5 - HYPER-V VIRTUALIZATION AND CONTAINERS IN WINDOWS SERVER

- Hyper-V in Windows Server
- Configuring VMs
- Securing virtualization in Windows Server
- Containers in Windows Server

Aug 16 - Aug 20, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Aug 30 - Sep 03, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Sep 13 - Sep 17, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Sep 27 - Oct 01, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Oct 11 - Oct 15, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Oct 25 - Oct 29, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Nov 08 - Nov 12, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Nov 29 - Dec 03, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Dec 06 - Dec 10, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**
Dec 13 - Dec 17, 2021 **5 Days**	8:00AM - 4:00PM Central Virtual Instructor Led	**GTR**

- Overview of Kubernetes

6 - HIGH AVAILABILITY IN WINDOWS SERVER

- Planning for failover clustering implementation
- Creating and configuring failover cluster
- Overview of stretch clusters
- High availability and disaster recovery solutions with Hyper-V VMs

7 - DISASTER RECOVERY IN WINDOWS SERVER

- Hyper-V Replica
- Backup and restore infrastructure in Windows Server

8 - WINDOWS SERVER SECURITY

- Credentials and privileged access protection
- Hardening Windows Server
- JEA in Windows Server
- Securing and analyzing SMB traffic
- Windows Server update management

9 - RDS IN WINDOWS SERVER

- Overview of RDS
- Configuring a session-based desktop deployment
- Overview of personal and pooled virtual desktops

10 - REMOTE ACCESS AND WEB SERVICES IN WINDOWS SERVER

- Implementing VPNs
- Implementing Always On VPN
- Implementing NPS
- Implementing Web Server in Windows Server

11 - SERVER AND PERFORMANCE MONITORING IN WINDOWS SERVER

- Overview of Windows Server monitoring tools
- Using Performance Monitor
- Monitoring event logs for troubleshooting

12 - UPGRADE AND MIGRATION IN WINDOWS SERVER

- AD DS migration
- Storage Migration Service
- Windows Server migration tools