

WORKSHOP: WINDOWS SERVER 2019

DURATION: 2 DAYS

COURSE OVERVIEW

Learn about the new enhanced capabilities of the Windows 2019 starting from server virtualization, storage, software-defined networking, server management and automation, web and application platform, access to information protection, virtual desktop infrastructure, and many more.

COURSE OBJECTIVES

After Completing this course you should be able to:

1. Understand the new features of Windows Server 2019
2. Understand how the business or End users will benefit from the new features.

COURSE CONTENT

Module 1: Windows Subsystem for Linux

1. Architecture and Security
2. WSL integration with Windows - file systems, networking, processes
3. Empower your developers with Windows Subsystem for Linux
4. Update Management

Module 2: Containers

1. The concept of containers and micro services
2. Speed up development process with containers
3. Docker deployment
4. Combat constantly changing IT infrastructure with Docker
5. From development, through testing to production - Build modern agile development workflow
6. Deep drive into Docker Engine:
 - Images
 - Docker file
 - Networking
 - Storage
 - Resource Management
 - Management through PowerShell

1. Docker Swarm

Module 3: System Insights

1. Configuration
2. Integration with Admin Center
3. Management with PowerShell

Module 4: Hidden gems

1. LEDBAT
2. RSC and d.VMMQ
3. Changes to Windows Time
4. Internal Platform Changes

Module 5: Windows Defender ATP

1. Architecture
2. Onboarding
3. Deep dive into Exploit Guard
4. Changes to Code Integrity aka Application Control
5. SDN – Encrypted networks Module

Module 6: Shielded VMs enhancements

1. Shielded VMs s concepts
2. Fabric and Workload Administrator
3. Attacks on your virtualization infrastructure
4. Host Guardian Service Enhancements in Windows 2019
5. Backup and restore operations
6. Shielded VMs for Linux
7. Put it on the next level with encrypted networks

Module 7: Windows Admin Center

1. Architecture and requirements
2. Manage Cloud and on-prem environment with WAC
3. Integrate with Azure Backup and Azure Site Recovery

COURSE PREREQUISITES

Attendees should have the following prerequisites:

Good hands-on experience in administering Windows infrastructure

TEST CERTIFICATION

Recommended as preparation for the following exams:

There are no exams currently aligned to this course