Administration Windows Server 2019

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SII-370   5 Days (35 Hours)

Description

This five-day training course is aimed at IT professionals who have experience with Windows Server. It is designed to enable them to manage identity, networking, storage, and compute using Windows Server 2019. This training teaches IT professionals the fundamental administration skills needed to deploy and support Windows Server 2019 in most organizations.

Who is this training for ?

For whom

- System and network administrators wishing to deepen their knowledge and master the Windows Server 2019 environment
- Knowledge upgrade for administrators to Windows Server 2019
- Administrators and support technicians on Windows Server 2019

Prerequisites

- Experience with Active Directory Domain Services concepts and technologies in Windows Server 2012 or Windows Server 2016.
- Experience and understanding of basic networking technologies, such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP).
- Experience and understanding of Microsoft Hyper-V and core server virtualization concepts.
- Knowledge of security best practices.
- Experience and knowledge of Windows client operating systems, such as Windows 8, Windows 8.1 or Windows 10.
- Basic knowledge of Windows PowerShell.

Training objectives

- Use administrative techniques and tools in Windows Server 2019.
- Implement identity services.
- Manage network infrastructure services.
- Configure file servers and storage.
- Manage virtual machines to using Hyper-V virtualization and containers.
- Implement high availability and disaster recovery solutions.

- Apply security features to protect critical resources.
- Configure remote desktop services .
- Configure virtual machine-based desktop infrastructure deployment.
- Implement remote access and web services.
- Implement service monitoring, performance monitoring, and apply problem resolution.
- Perform AD and storage related upgrades and migration.

Training program

Architecture et installation

- Introduction to Windows Server 2019.
- Overview of new features.
- What's new in the Windows Server 2019 interface.
- Modes 'installation of Windows Server 2019.
- Installation of Windows Server 2019.
- Practical work

Outils d'administration et configuration

- Administer your environment with Server Manager.
- Deploying and using Windows Admin Center (WAC).
- Overview and using Windows System Insights modules.
- Azure adhesions and interconnections.
- What's new in RDS.
- Practical work

Active Directory

- Authentication silos and strategies.
- Object management in PowerShell.
- Installation prerequisites.
- L 'installation of the Active Directory.
- The new object management interfaces.
- The Active Directory Administration Management Center (ADAC).
- Managed service accounts.
- Privileged access management (PAM).
- Practical work

Disques et systèmes de fichiers

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We are at your disposal : De Lun - Ven 09h00-18h00

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- Storage Migration Services.
- Resilient File System (ReFS).
- Configure Storage Spaces in Windows Server 2019.
- Windows Defender Malware Protection.
- File and folder security.
- Practical work

Optimisation, performance et dépannage

- Windows Defender Advanced Threat Protection.
- Performance monitors.
- Recovery tools.
- System backups and restores.

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