SKILLS CAMPUS
Training & Certification Center

Updating Skills to MCSA Windows Server 2016

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SII-247   5 Days (35 Hours)

Description

Intended for experienced Windows system administrators and engineers, this training covers the fundamentals of Windows Server by adding the new features of the 2016 version, particularly with regard to networking and virtualization. There is also a technology newly introduced in Windows Server and which has received a lot of attention: containers, isolated systems which promote the provision of applications and which can be hosted either directly under Windows Server, or in isolation under Hyper-V

Who is this training for ?

For whom

 Windows Server 2008 or 2012 administrators
Prerequisites

 Aucune

Training objectives

- Learn how to install and configure Windows Server 2016
- Know how to implement Hyper-V, directory services and AD FS
- Be able to manage and optimize Windows Server 2016 storage
- Be able to implement network services and access to distance
- Know how to implement clustering and Hyper-V on a cluster
- Learn how to implement Failover Clustering with Hyper-V
- Know how to implement and administer containers under Windows Server 2016

Training program

INSTALLATION ET CONFIGURATION DE WINDOWS SERVER 2016

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

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- Introduction
- Installing Windows Server 2016
- Setting up Windows Server 2016
- Preparing to update or migrate
- Migrating servers and work items
- Windows Server activation terms

LA GESTION DU STOCKAGE SOUS WINDOWS SERVER 2016

- Presentation
- Implementing deduplication
- iSCSI Storage
- Storage Spaces

MISE EN OEUVRE DES SERVICES D'ANNUAIRE

- Deploying domain controllers
- Creating service accounts
- Azure Active Directory

MISE EN OEUVRE DE ACTIVE DIRECTORY FEDERATION SERVICES (AD FS)

- Overview
- Deployment
- Setup for a single organization
- Web Application Proxy
- Azure AD FS

SERVICES RÉSEAU

- What's new in Windows Server 2016
- Implementing IPAM
- Managing IP addresses with IPAM

MISE EN OEUVRE DE HYPER-V

- Configuring the Hyper-V server role
- Configuring storage
- Configuring virtual machines

FONCTIONNALITÉS RÉSEAU AVANCÉES

- High-performance networking
- Hyper-V advanced networking features

SOFTWARE DEFINED NETWORKING

- Introduction
- Network virtualization
- Network Controller

ACCÈS DISTANT

- Introduction
- DirectAccess
- VPN

DÉPLOIEMENT ET ADMINISTRATION DE CONTENEURS

- Containers under Windows Server 2016
- Deployment of Windows Server and Hyper-V containers
- Installation, configuration and administration of containers with Docker

CLUSTERING

- Introduction
- Implementing a failover cluster
- Hosting applications and services in high availability
- Maintaining clusters
- Implementation of geoclusters

CLUSTERING AVEC HYPER-V

- Integrating Hyper-V Server 2016 into a cluster
- Implementing virtual machines in a cluster
- Moving virtual machines
- Implementing Hyper-V Replica

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