



INGENIERÍA LIMITADA

20417A 2041 Upgrading Your Skills to MCSA Microsoft Windows Server 2012

Fabricante:	Microsoft	Grupo:	Sistemas Operativos	Subgrupo:	Microsoft Windows Server 2012
Formación:	Presencial	Horas:	25		

Introducción

This version of this course, 20417A, utilizes pre-release software in the virtual machines for the labs. This course is designed primarily for people who want to upgrade their technical skills from Windows Server 2008 and Windows Server 2008 R2 to Windows Server 2012. It presumes a high level of knowledge about previous Windows Server versions.

This will explain new features and functionality in Windows Server 2012 around management, networking infrastructure, storage, access control, Hyper-V, high availability, and identity federation. Specific technologies covered will include Dynamic Access Control(DAC), Failover Clustering, Microsoft Online Backup and changes with Active Directory, and Hyper-V and Active Directory Federation Services (ADFS). It is not a product upgrade course, detailing the considerations for migrating and upgrading your specific environment to Windows Server 2012. However, this course will update your skills to Windows Server 2012.

This course is also preparation material, and maps directly to, the Exam 70-417: Upgrading Your Skills to MCSA Windows Server 2012.

Audiencia

The primary audience for this course is Information Technology (IT) professionals who are experienced Windows Server 2008 Server Administrators, and who carry out day-to-day management and administrative tasks, and want to update their skills and knowledge to Windows Server 2012.

The secondary audience for this course includes candidates who hold existing credentials in Windows Server 2008 at Technology Specialist (TS) or Professional (PRO) level, and who want to migrate their current credentials to the new credential of Microsoft Certified Solutions Associate (MCSA) with Windows Server 2012.

Al terminar el curso

After completing this course, students will be able to:

- * Install and configure Windows Server 2012 servers.
- * Monitor and maintain Windows Server 2012 servers.
- * Use Windows PowerShell 3.0 to manage Windows Server 2012 servers.
- * Configure storage on Windows Server 2012 servers.
- * Deploy and manage network services.
- * Deploy and manage a DirectAccess infrastructure.
- * Provide high availability for network services and applications by implementing failover clustering.
- * Deploy and configure virtual machines on Hyper-V.
- * Deploy and manage Hyper-V virtual machines in a failover cluster.
- * Configure Dynamic Access Control to manage and audit access to shared files.
- * Implement the new features in Active Directory Domain Services (AD DS) for Windows Server 2012.
- * Plan and implement an Active Directory Federation Services (AD FS) deployment.

Before attending this course, students must have:

- * Two or more years of experience deploying and managing Windows Server 2008
- * Experience with Windows networking technologies and implementation
- * Experience with Active Directory technologies and implementation
- * Experience with Windows Server 2008 server virtualization technologies and implementation

Students attending this course are expected to have passed the following exams, or have equivalent knowledge:

- * Exam 70-640: Windows Server 2008 Active Directory, Configuring
- * Exam 70-642: Windows Server 2008 Network Infrastructure, Configuring
- * Exam 70-646: Windows Server 2008, Server Administrator

Contenidos

Módulo 1

Installing and Configuring Servers Based on Windows Server 2012

This module covers the installation and initial configuration and management of Windows Server 2012. It also explains how to configure remote management in Windows Server 2012.

Lecciones

Installing Windows Server 2012

Configuring Windows Server 2012

Configuring Remote Management for Windows Server 2012 Servers

Módulo 2

Monitoring and Maintaining Windows Server 2012

This module covers monitoring and maintenance tasks when managing Windows Server 2012. It also explains the options for backup in Windows Server 2012 including Windows Server Backup and Microsoft Online Backup. It also describes server and data recovery options.

Lecciones

Monitoring Windows Server 2012

Implementing Windows Server Backup

Implementing Server and Data Recovery

Módulo 3

Managing Windows Server 2012 by Using Windows PowerShell 3.0

This module explains the features and functionality of Windows PowerShell 3.0. It also describes managing Windows Server 2012 servers and AD DS with Windows PowerShell.

Lecciones

Overview of Windows PowerShell 3.0

Using Windows PowerShell 3.0 to Manage AD DS

Managing Servers by Using Windows PowerShell 3.0

Módulo 4

Managing Storage for Windows Server 2012

This module describes new storage features in Windows Server 2012 such as data deduplication, thin provisioning and trim storage, File Server Resource Manager, and Resilient File System (ReFS). The module also describes iSCSI and storage spaces as well as how to implement BranchCache.

Lecciones

New Features in Windows Server 2012 Storage

Configuring iSCSI Storage

Configuring Storage Spaces in Windows Server 2012

Configuring BranchCache in Windows Server 2012

This module describes the new features in DNS and DHCP in Windows Server 2012. It also explains how to implement IP Address Management(IPAM) and Network Access Protection (NAP) with VPN, IPsec, DHCP, and 802.1x.

Lecciones

Implementing DNS and DHCP Enhancements

Implementing IP Address Management

NAP Overview

Implementing NAP

This module describes the new features and functionality with DirectAccess in Windows Server 2012. It also explains how to implement and configure various components of DirectAccess such as AD DS and DNS. It also discusses the Name Resolution Policy table (NRPT) and the client-side requirements for Windows 7 and Windows 8.

Lecciones

Overview of DirectAccess

Installing and Configuring DirectAccess Components

This module describes new features and functionality in Failover Clustering in Windows Server 2012. It also explains how to implement Failover Clustering and how to configure specific server roles in a cluster, such as a File Server. It also explains new maintenance features such as Cluster Aware Updating (CAU).

Lecciones

Overview of Failover Clustering

Implementing a Failover Cluster

Configuring Highly-Available Applications and Services on a Failover Cluster

Maintaining a Failover Cluster

Implementing a Multi-Site Failover Cluster

This module explains how to configure Hyper-V and Hyper-V storage options in Windows Server 2012. It also describes networking features and various feature options and requirements in Hyper-V 3.0 as well as how to configure virtual machines.

Lecciones

Configuring Hyper-V Servers

Configuring Hyper-V Storage

Configuring Hyper-V Networking

Configuring Hyper-V Virtual Machines

This module explains how to make virtual machines highly available and how to implement virtual machines in a failover cluster deployed on the host. It also explains the movement of virtual machines on virtual machine storage. It also provides a high level overview of System Center Virtual Machine Manager (SCVMM) 2012.

Lecciones

- Overview of the Integration of Hyper-V with Failover Clustering
- Implementing Hyper-V Virtual Machines on Failover Clusters
- Implementing Hyper-V Virtual Machine Movement
- Managing Hyper-V Virtual Environments by Using System Center Virtual Machine Manager

This module explains how to implement Dynamic Access Control (DAC) in Windows Server 2012. It also describes core DAC concepts such as claims, Central Access Rules, and policies and their implementation.

Lecciones

- Overview of Dynamic Access Control
- Planning for a Dynamic Access Control Implementation
- Implementing and Configuring Dynamic Access Control

This module explains the advanced implementation of Active Directory domain controllers in Windows Server 2012 such as server core deployments, read-only domain controllers (RODCs), and cloning. It also explains domain controller configuration, managed service accounts, Group Policy implementation, and maintenance tasks for AD DS.

Lecciones

- Deploying AD DS Domain Controllers
- Configuring AD DS Domain Controllers
- Implementing Service Accounts
- Implementing Group Policy in AD DS
- Maintaining AD DS

This module explains Active Directory Federation Services (AD FS) and how it can be used to address various organizational and business identity federation services and scenarios. It also describes configuration of prerequisites and the deployment of the AD FS services. It also explain implementing AD FS to enable internal single sign on (SSO) in an organization and implementing AD FS to enable SSO between federated partners.

Lecciones

- Overview of Active Directory Federation Services
- Deploying Active Directory Federation Services
- Implementing AD FS for a Single Organization
- Deploying AD FS in a Business to Business Federation Scenario