

Netec Digital

Certificaciones Profesionales en TI

Temario

CURSO **OD20412D** **Configuring** **Advanced** **Windows Server®** **2012 Services**



Microsoft Partner
Gold Learning



Course Outline

Module 1: Implementing Advanced Network Services

In this module students will be able to configure advanced features for Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS), and configure IP Address Management (IPAM).

Lessons

- Configuring Advanced DHCP Features
- Configuring Advanced DNS Settings
- Implementing IPAM
- Managing IP Address Spaces with IPAM

Lab : Implementing Advanced Network Services

After completing this module, students will be able to:

- Configure advanced features in DHCP with Windows Server 2012.
- Configure the advanced DNS settings in Windows Server 2012.
- Implement IP Address Management in Windows Server 2012.

Module 2: Implementing Advanced File Services

In this module students will be able to configure file services to meet advanced business requirements.

Lessons

- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage

Lab : Implementing Advanced File Services

Lab : Implementing BranchCache

After completing this module, students will be able to:

- Learn how to configure and manage iSCSI.
- Implement BranchCache using Windows Server 2012.
- Implement Windows Server 2012 features that optimize storage utilization.

Module 3: Implementing Dynamic Access Control

In this module students will be able to configure Dynamic Access Control (DAC) to manage and audit access to shared files.

Lessons

- Overview of DAC
- Implementing DAC Components
- Implementing DAC for Access Control
- Implementing Access Denied Assistance
- Implementing and Managing Work Folders

Lab : Implementing Secure Data Access

After completing this module, students will be able to:

- Describe DAC.
- Implement and configure components of DAC.
- Implement DAC on file servers.
- Describe and implement access- denied assistance.
- Implement the integration of Work Folders with DAC.

Module 4: Implementing Distributed Active Directory Domain Services Deployments

In this module students will be able to plan and implement an Active Directory Domain Services (AD DS) deployment that includes multiple domains and forests.

Lessons

- Overview of Distributed AD DS Deployments
- Deploying a Distributed AD DS Environment
- Configuring AD DS Trusts

Lab : Implementing Distributed AD DS Deployments

After completing this module, students will be able to:

- Describe the components of a highly complex AD DS deployment.
- Implement a complex AD DS deployment.
- Configure AD DS trusts.

Module 5: Implementing Active Directory Domain Services Sites and Replication

In this module students will be able to plan and implement an AD DS deployment that includes multiple locations.

Lessons

- AD DS Replication Overview
- Configuring AD DS Sites
- Configuring and Monitoring AD DS Replication

Lab : Implementing AD DS Sites and Replication

After completing this module, students will be able to:

- Describe how replication works in a Windows Server 2012 AD DS environment.
- Configure AD DS sites in order to optimize AD DS network traffic.
- Configure and monitor AD DS replication.

Module 6: Implementing AD CS

In this module students will be able to implement an Active Directory Certificate Services (AD CS) deployment.

Lessons

- Using Certificates in a Business Environment
- PKI Overview
- Deploying CAs
- Deploying and Managing Certificate Templates
- Implementing Certificate Distribution and Revocation
- Managing Certificate Recovery

Lab : Deploying and Configuring CA Hierarchy

Lab : Deploying and Managing Certificates

After completing this module, students will be able to:

- Describe and use certificates in business environments.
- Describe the Public Key Infrastructure (PKI) components and concepts, and describe the options for implementing a certification authority infrastructure.
- Plan and implement an AD CS certification authority infrastructure.
- Plan and implement a certificate template deployment using an AD CS certification authority.
- Plan and implement certificate distribution and revocation.
- Configure and manage key archival and recovery.



Module 7: Implementing Active Directory Rights Management Services

In this module students will be able to implement an AD RMS deployment.

Lessons

- AD RMS Overview
- Deploying and Managing an AD RMS Infrastructure
- Configuring AD RMS Content Protection
- Configuring External Access to AD RMS

Lab : Implementing AD RMS

After completing this module, students will be able to:

- Describe what AD RMS is, and how it can be used to achieve content protection.
- Deploy and manage an AD RMS infrastructure.
- Configure content protection using AD RMS.
- Enable users outside the organization to access content protected by using AD RMS.

Module 8: Implementing and Administering AD FS

In this module students will be able to implement an Active Directory Federation Services (AD FS) deployment.

Lessons

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a Single Organization
- Deploying AD FS in a Business-to-Business Federation Scenario
- Extending AD FS to External Clients

Lab : Implementing AD FS

Lab : Implementing AD FS for External Partners and Users

After completing this module, students will be able to:

- Describe the identity federation business scenarios and how AD FS can be used to address the scenarios.
- Configure the AD FS prerequisites and deploy the AD FS services.
- Implement AD FS to enable SSO in a single organization.
- Implement AD FS to enable SSO between federated partners.
- Implement the Web Application Proxy and describe WorkPlace Join integration with AD FS.

Module 9: Implementing Network Load Balancing

In this module students will be able to provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB).

Lessons

- Overview of NLB
- Configuring an NLB Cluster
- Planning an NLB Implementation

Lab : Implementing NLB

After completing this module, students will be able to:

- Describe how NLB works.
- Configure an NLB cluster.
- Plan an NLB implementation.

Module 10: Implementing Failover Clustering

In this module students will be able to provide high availability for network services and applications by implementing failover clustering.

Lessons

- 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

Lab : Implementing Failover Clustering

After completing this module, students will be able to:

- Explain failover clustering features in Windows Server 2012.
- Describe how to implement a failover cluster.
- Explain how to configure highly available applications and services on a failover cluster.
- Explain how to maintain a failover cluster and how to use new maintenance features.
- Describe how to implement multi-site failover cluster.

Module 11: Implementing Failover Clustering with Hyper-V

In this module students will be able to deploy and manage Hyper-V virtual machines in a failover cluster.

Lessons

- Overview of Integrating Hyper-V with Failover Clustering
- Implementing Hyper-V Virtual Machines on Failover Clusters
- Implementing Hyper-V Virtual Machine Movement

Lab : Implementing Failover Clustering with Hyper-V

After completing this module, students will be able to:

Explain options for making virtual machines highly available.

Describe how to implement virtual machines in a failover cluster deployed on a host.

Explain options for moving a virtual machine or its storage.

Explain a high level overview of Microsoft System Center 2012- Virtual Machine Manager (VMM) 2012.

Module 12: Implementing Business Continuity and Disaster Recovery

In this module students will be able to implement a backup and disaster recovery solution based on business and technical requirements

Lessons

- Data Protection Overview
- Implementing Windows Server Backup
- Implementing Server and Data Recovery

Lab : Implementing Windows Server Backup and Restore

After completing this module, students will be able to:

- Describe the considerations that must be included when you are implementing a disaster recovery solution.
- Plan and implement a backup solution for Windows Server 2012.
- Plan and implement server and data recovery.



Para más información, contáctenos al correo:
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