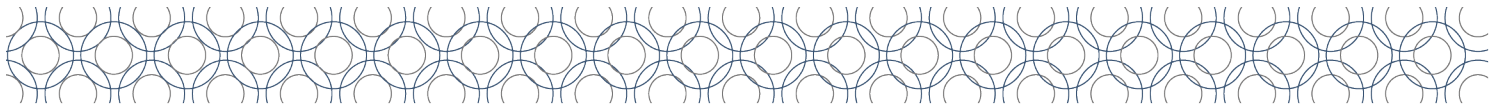




NETWORKING WITH WINDOWS SERVER





NETWORKING WITH WINDOWS SERVER

Este Curso 20742 Identity with Windows Server enseña a los profesionales de TI cómo implementar y configurar Servicios de dominio de Active Directory (AD DS) en un entorno distribuido, la forma de aplicar la directiva de grupo, cómo realizar copias de seguridad y restauración, y cómo supervisar y solucionar problemas de Active Directory temas relacionados con la PI con Windows Server. Además, este curso enseña cómo implementar otras funciones de servidor de Active Directory como los Servicios de federación de Active Directory (AD FS) y los Servicios de certificados de Active Directory (AD CS).

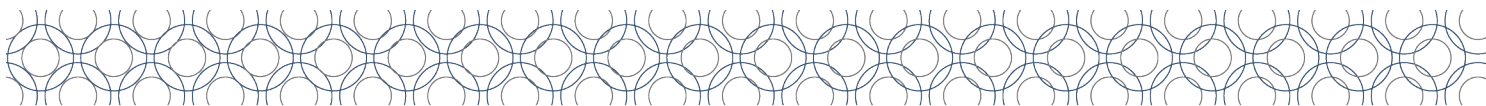
Pre-requisitos: Inglés técnico y conocimientos básicos de servidores

Duración: 35 Horas

Temario

- **Módulo 1: Instalación y configuración de controladores de dominio**
- **Módulo 2: Administración de objetos en AD DS**
- **Módulo 3: Administración avanzada de la infraestructura AD DS**
- **Módulo 4: Implementación y administración de sitios y replicación de AD DS**
- **Módulo 5: Implementación de Group Policy**
- **Módulo 6: administración de la configuración de usuarios con Group Policy**
- **Módulo 7: Asegurar los Servicios de Dominio de Active Directory (AD DS)**
- **Módulo 8: Implementación y administración de AD CS**
- **Módulo 9: Implementación y administración de certificados**
- **Módulo 10: Implementación y administración de AD FS**
- **Módulo 11: Implementación y administración de AD RMS**
- **Módulo 12: Implementación de la sincronización de AD DS con Microsoft Azure AD**
- **Módulo 13: monitoreo, administración y recuperación de AD.**





Temario

- Describe the features and benefits of IPv6.
- Configure an IPv6 host.
- Implement the coexistence between IPv4 and IPv6 networks.
- Transition from an IPv4 network to an IPv6 network.

Module 4: Implementing DNS

This module explains how to install, configure, and troubleshoot DNS within the organization's network

Lessons

- Implementing DNS servers
- Configuring zones in DNS
- Configuring name resolution between DNS zones
- Configuring DNS integration with Active Directory Domain Services (AD DS)
- Configuring advanced DNS setting
-

Lab : Planning and implementing name resolution by using DNS

- Planning DNS name resolution
- Implementing DNS servers and zones
-

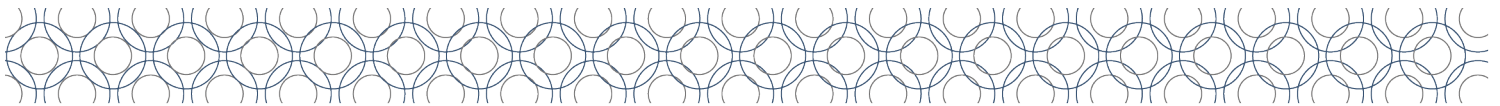
Lab : Integrating DNS with Active Directory

- Integrating DNS with Active Directory

Lab : Configuring advanced DNS settings

- Configuring DNS policies
- Validating the DNS implementation
- Troubleshooting DNS
- After completing this module, students will be able to:
- Implement DNS servers.
- Configure zones in DNS.
- Configure name resolution between DNS zones.
- Configure DNS integration with AD DS.
- Configure advanced DNS settings





Temario

Module 5: Implementing and managing IPAM

This module explains how to implement and manage the IPAM feature in Windows Server. This module also explains how to use IPAM to manage services such as DHCP and DNS

Lessons

- Overview of IPAM
- Deploying IPAM
- Managing IP address spaces by using IPAM

Lab : Implementing IPAM

- Installing the IPAM Server feature
- Provisioning the IPAM Server
- Managing IP address spaces by using IPAM
- After completing this module, students will be able to:
- Describe the IPAM functionality and components
- Deploy IPAM
- Manage IP address spaces by using IPAM

Module 6: Remote access in Windows Server

This module explains how to plan for remote access in Windows Server and how to implement Web Application Proxy.

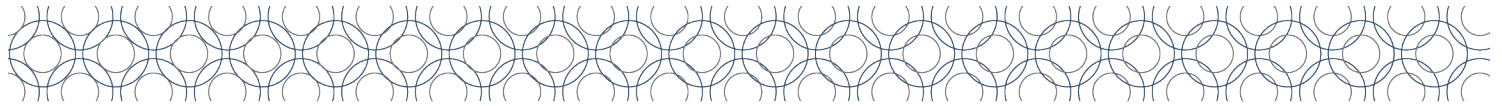
Lessons

- Overview of remote access
- Implementing the Web Application Proxy

Lab : Implementing Web Application Proxy

- Implementing Web Application Proxy
- Validating the Web Application Proxy deployment
- After completing this module, students will be able to:
- Describe remote access.
- Implement Web Application Proxy.





Temario

Module 7: Implementing DirectAccess

This module explains how to implement and manage DirectAccess in Windows Server

Lessons

- Overview of DirectAccess
- Implementing DirectAccess by using the Getting Started Wizard
- Implementing and managing an advanced DirectAccess infrastructure

Lab : Implementing DirectAccess by using the Getting Started Wizard

- Verifying readiness for a DirectAccess deployment
- Configuring DirectAccess
- Validating the DirectAccess deployment

Lab : Deploying an advanced DirectAccess solution

- Preparing the environment for DirectAccess
- Implementing the advanced DirectAccess infrastructure
- Validating the DirectAccess deployment
- After completing this module, students will be able to:
- Explain DirectAccess and how it works.
- Implement DirectAccess by using the Getting Started Wizard.
- Implement and manage an advanced DirectAccess infrastructure.

Module 8: Implementing VPNs

This module explains how to implement and manage remote access in Windows Server 2016 by using VPNs

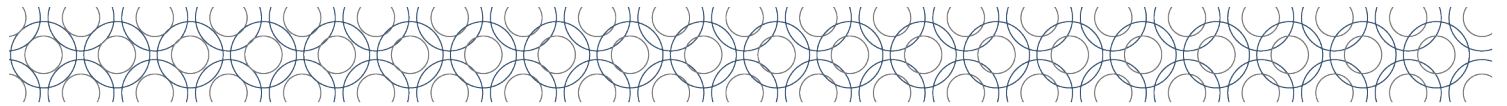
Lessons

- Planning VPNs
- Implementing VPNs

Lab : Implementing VPN

- Implementing VPN
- Validating the VPN deployment
- Troubleshooting VPN access
- After completing this module, students will be able to:
- Plan a VPN solution
- Implement VPNs





Temario

Module 9: Implementing networking for branch offices

This module explains how to implement network services for branch offices

Lessons

- Networking features and considerations for branch offices
- Implementing Distributed File System (DFS) for branch offices
- Implementing BranchCache for branch offices

Lab : Implementing DFS for branch offices

- Implementing DFS
- Validating the deployment

Lab : Implementing BranchCache

- Implementing BranchCache
- Validating the deployment
- After completing this module, students will be able to:
- Describe the networking features and considerations for branch offices.
- Implement DFS for branch offices
- Implement BranchCache for branch offices.

Module 10: Configuring advanced networking features

This module explains how to implement an advanced networking infrastructure

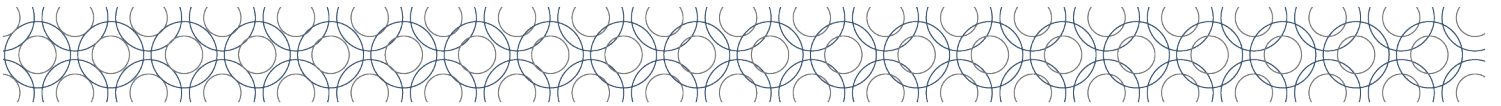
Lessons

- Overview of high performance networking features
- Configuring advanced Microsoft Hyper-V networking features

Lab : Configuring advanced Hyper-V networking features

- Creating and using Hyper-V virtual switches
- Configuring and using the advanced features of a virtual switch
- After completing this module, students will be able to:
- Describe the high performance networking enhancements in Windows Server 2016
- Configure the advanced Microsoft Hyper-V networking features





Temario

Module 11: Implementing Software Defined Networking

This module explains how to implement SDN

Lessons

- Overview of SDN.
- Implementing network virtualization
- Implementing Network Controller

Lab : Deploying Network Controller

- Preparing to deploy Network Controller
- Deploying Network Controller
- After completing this module, students will be able to:
- Describe SDN
- Implement network virtualization
- Implement Network Controller.



