

Configuring Advanced Windows Server 2012 Services (20412)

- **Formato do curso:** Presencial
- **Com certificação:** Microsoft Certified Solutions Associate (MCSA)
- **Preço:** 1630€
- **Nível:** Intermédio
- **Duração:** 35 horas

Este curso é o terceiro de uma serie de três cursos com o objetivo de abordar os seguintes tópicos:

- Serviços avançados de rede
- Active Directory Domain Services (AD DS)
- Active Directory Certification Services (AD CS)
- Active Directory Rights Management Services (AD RMS)
- Active Directory Federation Services (AD FS)
- Network Load Balancing
- Failover Clustering
- Dynamic Access Control (DAC)
- Web Application Proxy integration with AD FS
- Workplace Join

Destinatários

- Administradores de sistemas Microsoft que pretendem aprofundar os seus conhecimentos de gestão e manutenção de ambientes Windows Server 2012 ou Windows Server 2012 R2;
- Administradores de sistemas que desejam prosseguir o percurso MCSA: Windows Server 2012
- Administradores de sistemas que desejam prosseguir para certificações MCSE.

Pré-requisitos

- Conhecimentos de administração em ambientes empresariais de Windows Server 2008 ou Windows Server 2012;
- Conhecimentos adquiridos nas seguintes formações:
 - 20410D: Installing and Configuring Windows Server® 2012
 - 20411D: Administering Windows Server® 2012

Objectivos

No final da ação de formação os participantes deverão estar aptos a:

- Configuração avançada das seguintes soluções:
 - Dynamic Host Configuration Protocol (DHCP)
 - Domain Name System (DNS)
 - IP Address Management (IPAM)
 - Configuração e gestão das soluções:
 - iSCSI
 - BranchCache
 - FSRM
 - Implementação e configuração de DAC para a gestão e auditar o acesso a ficheiros partilhados.
 - Planificação e Implementação de AD DS que inclui múltiplos domínios e florestas.
 - Planificação e Implementação de AD DS que inclui múltiplas localizações.
 - Implementação e configuração na implementação de Active Directory Certificate Services (AD CS).
 - Implementação da solução AD RMS.
 - Implementação da solução AD FS.
 - Implementação de high availability e load balancing para web-based applications com a implementação da solução Network Load Balancing (NLB).
 - Implementação de high availability para network services e aplicações com a implementação da solução de Failover Clustering.
 - Implementação de Failover Cluster e configuração e validação de highly available de network service;
 - Implementação e gestão de Hyper-V virtual machines numa solução failover cluster.
 - Implementação de soluções backup e disaster recovery baseado no negossio e requisitos técnicos.
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Metodologia

Pode assistir a este curso de forma:

- Presencial
 - [Live Training](#)
 - [MOC On-demand](#)
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Programa

Implementing Advanced Network Services

- Configuring Advanced DHCP Features
- Configuring Advanced DNS Settings
- Implementing IPAM
- Managing IP Address Spaces with IPAM
- Lab : Implementing Advanced Network Services

- Configuring Advanced DHCP Settings
- Configuring Advanced DNS Settings
- Configuring IPAM

Implementing Advanced File Services

- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage
- Lab : Implementing Advanced File Services
 - Configuring iSCSI Storage
 - Configuring the File Classification Infrastructure
- Lab : Implementing BranchCache
 - Configuring the Main Office Servers for BranchCache
 - Configuring the Branch Office Servers for BranchCache
 - Configuring Client Computers for BranchCache
 - Monitoring BranchCache

Implementing Dynamic Access Control

- 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
 - Preparing for DAC deployment
 - Implementing DAC
 - Validating and Remediating DAC
 - Implementing Work Folders

Implementing Distributed AD DS Deployments

- Overview of Distributed AD DS Deployments
- Deploying a Distributed AD DS Environment
- Configuring AD DS Trusts
- Lab : Implementing Distributed AD DS Deployments
 - Implementing Child Domains in AD DS
 - Implementing Forest Trusts

Implementing AD DS Sites and Replication

- AD DS Replication Overview
- Configuring AD DS Sites
- Configuring and Monitoring AD DS Replication
- Lab : Implementing AD DS Sites and Replication
 - Modifying the Default Site

- Creating Additional Sites and Subnets
- Configuring AD DS Replication
- Monitoring and Troubleshooting AD DS Replication

Implementing Active Directory Certificate Services

- 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
 - Deploying a Stand-alone Root CA
 - Deploying an Enterprise Subordinate CA
- Lab : Deploying and Managing Certificates
 - Configuring Certificate Templates
 - Configuring Certificate Enrollment
 - Configuring Certificate Revocation
 - Configuring Key Recovery

Implementing Active Directory Rights Management Services

- 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
 - Installing and Configuring AD RMS
 - Configuring AD RMS Templates
 - Implementing the AD RMS Trust Policies
 - Verifying the AD RMS Deployment

Implementing Active Directory Federation Services

- 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
 - Installing and Configuring AD FS
 - Configuring an Internal Application for AD FS
- Lab : Implementing AD FS for External Partners and Users
 - Configuring AD FS for a Federated Business Partner
 - Configuring Web Application Proxy

Implementing Network Load Balancing

- Overview of NLB
- Configuring an NLB Cluster
- Planning an NLB Implementation
- Lab : Implementing NLB
 - Implementing an NLB Cluster
 - Configuring and Managing the NLB Cluster
 - Validating High Availability for the NLB Cluster

Implementing Failover Clustering

- Failover Clustering Overview
- 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
 - Configuring a Failover Cluster
 - Deploying and Configuring a Highly Available File Server
 - Validating the Deployment of the Highly Available File Server
 - Configuring Cluster-Aware Updating on the Failover Cluster

Implementing Failover Clustering with Hyper-V

- Overview of Integrating 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 VMM
- Lab : Implementing Failover Clustering with Hyper-V
 - Configuring Hyper-V Replicas
 - Configuring a Failover Cluster for Hyper-V
 - Configuring a Highly Available Virtual Machine

Implementing Business Continuity and Disaster Recovery

- Data Protection Overview
- Implementing Windows Server Backup
- Implementing Server and Data Recovery
- Lab : Implementing Windows Server Backup and Restore
 - Backing Up Data on a Windows Server 2012 R2 Server
 - Restoring Files Using Windows Server Backup