

## Administering Windows Server 2012 (20411)

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

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

- Configuração e resolução de problemas de name resolution;
- Gestão de utilizadores e grupos Active Directory Domain Services (AD DS) e Group Policy;
- Implementação Remote Access Solutions, tais como:
  - DirectAccess;
  - VPNs;
  - Web Application Proxy;
  - Implementação Network Policies;
  - Network Access Protection;
  - Data Security;
  - Implementação e manutenção de server images;
  - Gestão de update WSUS e monitorização de ambientes Windows Server 2012.

### 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 Redes de Computador: TCP/IP, UDP e DNS;
- Conhecimentos de Microsoft Active Directory Domain Services;
- Conhecimentos de Microsoft Hyper-V.

## Objectivos

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

- Configuração e resolução de problemas Domain Name System;
  - Gestão Active Directory Domain Services;
  - Gestão User e Service Accounts;
  - Implementação Group Policy Infrastructure;
  - Gestão User Desktops utilizando Group Policy;
  - Instalação, configuração e resolução de problemas de Network Policy Server;
  - Implementação do Network Access Protection;
  - Implementação do Remote Access;
  - Otimização de File Services;
  - Configuração Encryption e Advanced Auditing;
  - Implementação e gestão de Server Images;
  - Implementação e gestão de Updates;
  - Monitorização Windows Server 2012.
- 

## Metodologia

Pode assistir a este curso de forma:

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

## Programa

### **Configuring and Troubleshooting Domain Name System**

- Configuring the DNS Server Role
- Configuring DNS Zones
- Configuring DNS Zone Transfers
- Managing and Troubleshooting DNS
- Lab : Configuring and Troubleshooting DNS
  - Configuring DNS Resource Records
  - Configuring DNS Conditional Forwarding
  - Installing and Configuring DNS Zones
  - Troubleshooting DNS

### **Maintaining Active Directory Domain Services**

- Overview of AD DS
- Implementing Virtualized Domain Controllers

- Implementing RODCs
- Administering AD DS
- Managing the AD DS Database
- Lab : Maintaining AD DS
  - Installing and Configuring a RODC
  - Configuring AD DS Snapshots
  - Configuring the Active Directory Recycle Bin
  - Cloning a domain controller

### **Managing User and Service Accounts**

- Configuring Password Policy and User Account Lockout Settings
- Configuring Managed Service Accounts
- Lab : Managing User and Service Accounts
  - Configuring Password Policy and Account Lockout Settings
  - Creating and Associating a Managed Service Account

### **Implementing a Group Policy Infrastructure**

- Introducing Group Policy
- Implementing and Administering GPOs
- Group Policy Scope and Group Policy Processing
- Troubleshooting the Application of GPOs
- Lab : Implementing a Group Policy Infrastructure
  - Creating and Configuring Group Policy Objects
  - Managing GPO Scope
  - Verify GPO Application
  - Managing GPOs

### **Managing User Desktops with Group Policy**

- Implementing Administrative Templates
- Configuring Folder Redirection and Scripts
- Configuring Group Policy Preferences
- Managing Software with Group Policy
- Lab : Managing User Desktops with Group Policy
  - Implement Settings by Using Group Policy Preferences
  - Managing Office 2013 by using Administrative Templates
  - Deploying Software by using Group Policy
  - Configuring Folder Redirection

### **Implementing Remote Access**

- Overview of Remote Access
- Implementing DirectAccess by Using the Getting Started Wizard
- Implementing and Managing an Advanced DirectAccess Infrastructure
- Implementing VPN

- Implementing Web Application Proxy
- 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
- Lab : Implementing VPN
  - Implementing VPN
  - Validating the VPN Deployment
- Lab : Implementing Web Application Proxy
  - Implementing Web Application Proxy
  - Validating the Web Application Proxy Deployment

### **Installing, Configuring, and Troubleshooting the Network Policy Server Role**

- Installing and Configuring a Network Policy Server
- Configuring RADIUS Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a Network Policy Server
- Lab : Installing and Configuring a Network Policy Server
  - Installing and Configuring NPS to Support RADIUS
  - Configuring and Testing a RADIUS Client

### **Implementing Network Access Protection**

- Overview of Network Access Protection
- Overview of NAP Enforcement Processes
- Configuring NAP
- Configuring IPSec Enforcement for NAP
- Monitoring and Troubleshooting NAP
- Lab : Implementing Network Access Protection
  - Configuring NAP Components
  - Configuring Virtual Private Network Access
  - Configuring the Client Settings to Support NAP

### **Optimizing File Services**

- Overview of FSRM
- Using FSRM to Manage Quotas, File Screens, and Storage Reports
- Implementing Classification and File Management Tasks
- Overview of DFS
- Configuring DFS Namespaces
- Configuring and Troubleshooting DFS Replication

- Lab : Configuring Quotas and File Screening Using File Server Resource Manager
  - Configuring File Server Resource Manager Quotas
  - Configuring File Screening and Storage Reports
- Lab : Implementing Distributed File System
  - Installing the DFS role service
  - Configuring a DFS Namespace
  - Configuring DFS Replication

### **Configuring Encryption and Advanced Auditing**

- Encrypting Drives by Using BitLocker
- Encrypting Files by Using EFS
- Configuring Advanced Auditing
- Lab : Configuring Encryption and Advanced Auditing
  - Encrypting and Recovering Files
  - Configuring Advanced Auditing
  - Using Windows BitLocker Drive Encryption to Secure Data Drives

### **Deploying and Maintaining Server Images**

- Overview of Windows Deployment Services
- Managing Images
- Implementing Deployment with Windows Deployment Services
- Administering Windows Deployment Services
- Lab : Using Windows Deployment Services to Deploy Windows Server 2012
  - Installing and Configuring Windows Deployment Services
  - Creating Operating System Images with Windows Deployment Services
  - Configuring Custom Computer Naming
  - Deploying Images with Windows Deployment Services

### **Implementing Update Management**

- Overview of WSUS
- Deploying Updates with WSUS
- Lab : Implementing Update Management
  - Implementing the WSUS Server Role
  - Configuring Update Settings
  - Approving and Deploying an Update by using WSUS

### **Monitoring Windows Server 2012**

- Monitoring Tools
- Using Performance Monitor
- Monitoring Event Logs
- Lab : Monitoring Windows Server 2012
  - Establishing a Performance Baseline
  - Identifying the Source of a Performance Problem

- Viewing and Configuring Centralized Event Logs