

Administering Windows Server 2012

Objetivos Gerais

Este curso é dirigido a todos os profissionais que necessitem de aprofundar os seus conhecimentos de gestão e manutenção de ambientes Windows Server 2012 ou Windows Server 2012 R2;

Objetivos Específicos

No final deste Curso os participantes saberão:

- 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.

Destinatários

. Este curso é dirigido a todos os profissionais que necessitem de conhecer e aplicar os seus conhecimentos de gestão e manutenção de ambientes Windows Server 2012 ou Windows Server 2012 R2 nomeadamente Administradores de sistemas.

Pré-requisitos

Os pré-requisitos necessários para frequentar este curso são:

- Ter acesso a um computador ou um tablet com ligação à Internet e um browser (programa para navegar na web), como o Chrome, Safari, Firefox ou Internet Explorer.
- Pode aceder ao curso a partir de qualquer computador (por exemplo, em casa e no escritório), tablet ou smartphone.

Carga Horária

35 Horas

Conteúdo Programático

Módulo 0 – Apresentação de Plataforma e Método de Utilização

Módulo I – Configuring and Troubleshooting Domain Name System

- Maintaining Active Directory Domain Services;
- Managing User and Service Accounts;
- Implementing a Group Policy Infrastructure;
- Managing User Desktops with Group Policy;
- Implementing Remote Access;
- Installing, Configuring, and Troubleshooting the Network Policy Server Role;
- Implementing Network Access Protection;
- Optimizing File Services;
- Configuring Encryption and Advanced Auditing;
- Deploying and Maintaining Server Images;
- Implementing Update Management;
- Monitoring Windows Server 2012.

Módulo II – 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.

Módulo III – Maintaining Active Directory Domain Services

- Caracterização sumária da Lei SOX
- 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

Módulo IV – 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

Módulo V –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.

Módulo VI - 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.

Módulo VII - 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

Módulo VIII - 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.

Módulo IX - 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.

Módulo X - 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.

Módulo XI - 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.

Módulo XII - 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.

Módulo XIII - 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.

Módulo XIV - 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.

Pré-requisitos:

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

Metodologia

Este curso tem sempre presente o formador, que irá mesmo dar a formação presencial através da plataforma.

O Formando pode intervir juntamente com o formador ou com os restantes formandos tal como faz na sala de aula.

As apresentações e exercícios serão sempre disponibilizados pelo formador no final de cada sessão de formação.

No final do curso receberá um Certificado de Formação Profissional caso frequente pelo menos 90% das aulas, realize os trabalhos e os testes propostos, participe nas discussões online e tenha avaliação final positiva.

Esta formação é certificada e reconhecida.