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 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.

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.

Carga Horária:

35 Horas

Conteúdo Programático:

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

- 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.