Itautec

SISTEMA DE GESTÃO
ISO 9001

SISTEMA DE GESTÃO
NBR ISO 14001:2004

SOU SÓCIO
fundobring.org.br

Microsoft
GOLD CERTIFIED
Partner

Learning Solutions
Security Solutions
Advanced Infrastructure Solutions
Networking Infrastructure Solutions

M6421 - Configuring and Troubleshooting a Windows Sever 2008 Network Infrastructure

Ambiente	Carga Horária	Material Didático
Windows	05 dias / 10 noites	Inglês

Prerequisites

Before attending this course, students must have:
- Working experience with Windows Server 2003.
- Basic knowledge of Active Directory.
- An understanding of security concepts and methodologies (for example, corporate policies).
- Basic knowledge of DHCP.
- Basic knowledge of IPsec.

Audience

The primary audience for this course includes Active Directory technology specialists aspiring to be Enterprise Administrators (Tier 4 day-to-day network operations) or Network Administrators (Tier 2). Experienced Server Administrators aspiring to be Enterprise Administrators would also benefit from this course..

After completing this course, students will be able to:
- Install and configure servers.
- Configure and troubleshoot DNS
- Configure and manage WINS.
- Configure and troubleshoot DHCP.
- Configure and troubleshoot IPv6 TCP/IP.
- Configure and troubleshoot Routing and Remote Access.
- Install, configure, and troubleshoot the Network Policy Server Role service
- Configure Network Access Protection.
- Configure Ipsec
- Configure and manage Distributed File System
- Configure and manage storage technologies.
- Configure availability of network resources and content
- Configure server security compliance.

Conteúdo Programático

Installing and Configuring Servers

This module explains how to identify the appropriate usage scenario and installation type for a server and then install and configure appropriate server roles and features.
- Installing Windows Server 2008
- Managing Server Roles and Features
- Overview of the Server Core Installation Option

Configuring and Troubleshooting DNS

This module explains how to configure, manage and troubleshoot DNS server and zone properties to be used in a secure environment.
- Installing the DNS Server Role
- Configuring the DNS Server Role
- Configuring DNS Zones
- Configuring DNS Zone Transfers

Configuring and Managing WINS

This module explains how to configure, manage and troubleshoot WINS servers.
- Overview of the Windows Internet Name Service
- Managing the WINS Server
- Configuring WINS Replication
- Migrating from WINS to DNS

Configuring and Troubleshooting DHCP

This module explains how to configure, manage and troubleshoot a DHCP environment supporting an IPV4 infrastructure.
- Overview of the DHCP Server Role
- Configuring DHCP Scopes and Options
- Managing a DHCP Database
- Monitoring and Troubleshooting DHCP
- Securing DHCP

Configuring and Troubleshooting IPv6 TCP/IP

This module explains how to configure and troubleshoot static and dynamic IPv6 addresses, including subnet prefix lengths, gateways and DNS servers.
- Overview of IPv6
- Coexistence with IPv6
- IPv6 Tunneling Technologies
- Transitioning from IPv4 to IPv6
- Troubleshooting IPv6

Configuring and Troubleshooting Routing and Remote Access

This module explains how to configure and troubleshoot Routing and Remote Access Services.

- Configuring Network Access
- Configuring VPN Access
- Overview of Network Policies
- Overview of the Connection Manager Administration Kit
- Troubleshooting Routing and Remote Access

Installing, Configuring, and Troubleshooting the Network Policy Server Role Service

This module explains how to install, configure and troubleshoot the Network Policy Server Role service.
- Installing and Configuring a Network Policy Server
- Configuring RADIUS Clients and Servers
- NPS Authentication Methods
- Monitoring and Troubleshooting a Network

Configuring Network Access Protection

This module explains how to configure and manage NAP for DHCP, VPN, and 802.1X.
- Overview of Network Access Protection
- How NAP Works
- Configuring NAP
- Monitoring and Troubleshooting NAP

Configuring IPsec

This module explains how to configure and test IPsec.
- Overview of Ipsec
- Configuring Connection Security Rules
- Configuring IPsec NAP Enforcement

Monitoring and Troubleshooting IPsec

This module explains how to monitor and troubleshoot IPsec.
- Monitoring IPsec Activity
- Troubleshooting IPsec

Configuring and Managing Distributed File System

This module explains how to configure and manage Distributed File System.
- DFS Overview
- Configuring DFS Namespaces
- Configuring DFS Replication

Configuring and Managing Storage Technologies

This module explains how to configure and troubleshoot file system storage technologies included with Windows Server 2008.
- Windows Server 2008 Storage Management Overview

- Managing Storage Using File Server Resource Manager
- Configuring Quota Management
- Implementing File Screening
- Managing Storage Reports

Configuring Availability of Network Resources and Content

This module explains how to describe and configure backup and recovery methods.
- Backing Up Data
- Configuring Shadow Copies
- Providing Server and Service Availability

Configuring Server Security Compliance

This module explains how to configure and analyze server security and security update compliance.
- Securing a Windows Infrastructure
- Using Security Templates to Secure Servers
- Configuring an Audit Policy
- Overview of Windows Sever Update Services
- Managing WSUS