

Original Microsoft® Windows Server 2003 MCSE Core and Core Elective Certification Training (70-290, 70-291, 70-293, 70-294, 70-270 & 70-297)

KURZBESCHREIBUNG Gezielt Lernen und erfolgreich die Prüfung bestehen:

- Die Microsoft® Online Learning Kurse wurden vom Microsoft® Produktteam zur eigenen internen Schulung verfasst und konzipiert.
- Das Lernprogramm enthält die folgenden Kurse (in englischer Sprache):

Course 2274: Managing a Microsoft Windows Server 2003 Environment
Course 2275: Maintaining a Microsoft Windows Server 2003 Environment
Course 2276: Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts
Course 2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services
Course 2830: Designing Security for Microsoft Networks
Collection 2278: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure
Collection 2279: Planning, Implementing and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure
Course 2282: Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure
Course 2285: Installing, Configuring & Administering Microsoft Windows XP Professional

LERNDAUER Insgesamt 161 Lernstunden

LERNFORM Online-Zugang für die Dauer von einem Jahr. Auf die Lernprogramme können Sie von jedem PC mit Internetzugang aus zugreifen und lernen. Im Büro, zu Hause und unterwegs.

INHALTE **Course 2274: Managing a Microsoft Windows Server 2003 Environment**

Introduction to Administering Accounts and Resources
Introduction
The Windows Server 2003 Family Overview
Log On to a Windows Server 2003 Computer
Install and Configure Administrative Tools
Create an Organizational Unit

Move Domain Objects

Lab

Summary

Managing Computer and User Accounts

Introduction

Create User Accounts

Create Computer Accounts

Modify Computer or User Account Properties

Create User Account Templates

Enable, Disable, or Unlock Accounts

Reset User Passwords or Computer Accounts

Search Active Directory

Save Queries

Lab

Summary

Managing Groups

Introduction

Create Groups

Modify Group Membership

Modify Groups

Lab

Summary

Managing Resource Access

Introduction

Share Folders

Set NTFS Permissions on Files and Folders

Determine Effective NTFS Permissions

Make Files Available Offline

Lab

Summary

Implementing Printing

Introduction

Install Printers

Modify Access Permissions on Printers

Implement Printer Locations

Install Printer Drivers

Lab

Summary

Managing Printing

Introduction

Change the Location of the Print Spooler

Set Printer Priorities
Schedule Printer Availability
Configure a Printing Pool
Lab
Summary

Managing Access to Objects in Organizational Units
Introduction
Set Permissions on Active Directory Objects
Delegate OU Control
Lab
Summary

Implementing Group Policy
Introduction
Edit Local Computer Policy Settings
Implement Group Policy in a Domain
Manage Group Policy Deployment
Lab
Summary

Managing the User Environment by Using Group Policy
Introduction
Edit Domain Group Policy Settings
Deploy Scripts
Redirect Folders
Analyze Group Policy Settings
Lab
Summary

Implementing Administrative Templates and Audit Policy
Introduction
Assign User Rights
Implement Security Templates
Analyze Computer Security
Implement Auditing
Manage Security Logs
Lab
Summary
Course Summary

Course 2275: Maintaining a Microsoft Windows Server 2003 Environment

Preparing to Administer a Server

Introduction

Configure Remote Management of a Server

Configure Remote Desktop to Administer a Server

Manage, Monitor, and Terminate Remote Desktop Connections

Lab

Summary

Preparing to Monitor Server Performance

Introduction

Performance Monitoring Basics

Perform Real-Time and Logged Monitoring

Configuring and Managing Counter Logs

Create and Configure an Alert

Lab

Summary

Monitoring Server Performance

Introduction

Monitor Server Memory

Monitor Processor Usage

Monitor Disks

Monitor Network Usage

Lab

Summary

Maintaining Device Drivers

Introduction

Configure Device Driver Signing Options

Roll Back or Uninstall Device Drivers

Lab

Summary

Managing Disks

Introduction

Preparing Basic Disks

Managing Disk Properties

Managing Mounted Drives

Converting Disks

Creating Volumes

Import a Disk

Lab

Summary

Managing Data Storage

Introduction

Managing File Compression

Configuring File Encryption

Implementing Disk Quotas

Lab

Summary

Managing Disaster Recovery

Introduction

Disaster Recovery Preparations

Backing Up Data

Scheduling Backup Jobs

Restoring Data

Implementing Shadow Copies of Shared Folders

Recovering from Server Failure

Lab

Summary

Maintaining Software by Using Software Update Services

Introduction

Introduction to Software Update Services

Installing and Configuring Software Update Services

Manage a Software Update Services Infrastructure

Lab

Summary

Course Summary

Course 2276: Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts

Reviewing the Suite of TCP/IP Protocols

Introduction

Overview of Networking Models

Monitor Network Connectivity

Lab

Summary

Assigning IP Addresses in a Multiple Subnet Network

Introduction

Convert IP Address Number Schemes

Determine Valid IP Addresses

Calculate Custom Subnet Masks

Manage the Routing Table
Expand the IP Address Space
Lab
Summary

Configuring a Client IP Address
Introduction
Assign a Static IP Address
Configure a Client for Dynamic IP Addressing
Configure a Client with an Alternate TCP/IP Configuration
Lab
Summary

Configuring a Client for Name Resolution
Introduction
The Name Resolution Process
Managing the ARP Cache
Configuring Static NetBIOS Name Resolution
Configuring Static Host Name Resolution
Configuring Dynamic Name Resolution
The Windows Name Resolution Process
Lab
Summary

Isolating Common Connectivity Issues
Introduction
Using Diagnostic Tools
Diagnosing Network Problems
Lab
Summary
Course Summary

Course 2277: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure: Network Services

Configuring Routing by Using Routing and Remote Access
Introduction
Enable and Configure Routing and Remote Access Service
Configure Packet Filters
Lab
Summary

Allocating IP Addressing by Using Dynamic Host Configuration Protocol (DHCP)

Introduction

Adding and Authorizing a DHCP Server Service

Configuring a DHCP Scope

Configuring a DHCP Reservation

Configure DHCP Options

Configure a DHCP Relay Agent

Lab

Summary

Managing and Monitoring Dynamic Host Configuration Protocol (DHCP)

Introduction

Back up and Restore a DHCP Database

Reconcile a DHCP Database

Monitor DHCP

Apply Security Guidelines for DHCP

Lab

Summary

Resolving Names

Introduction

View Names on a Client

Configure Host Name Resolution

Configure NetBIOS Name Resolution

Lab

Summary

Resolving Host Names by Using Domain Name System (DNS)

Introduction

Install the DNS Server Service

Configure the Properties for the DNS Server Service

Configure DNS Zones

Configure DNS Zone Transfers

Configure DNS Dynamic Updates

Configure a DNS Client

Delegate Authority for Zones

Lab

Summary

Managing and Monitoring Domain Name System

Introduction

Configure the Time-to-Live Value

Configure Aging and Scavenging

Integrate DNS and WINS

Test the DNS Server Configuration
Verify that a Resource Record Exists by Using Nslookup, DNSCmd,
and DNSLint
Monitor DNS Server Performance
Lab
Summary

Resolving NetBIOS Names by Using Windows Internet Naming
Service (WINS)
Introduction
Install and Configure a WINS Server
Manage Records in WINS
Configuring WINS Replication
Manage the WINS Database
Lab
Summary

Securing Network Traffic by Using IPSec and Certificates
Introduction
Implement IPSec
Implement IPSec with Certificates
Monitor IPSec
Lab
Summary

Configuring Network Access
Introduction
Identify the Elements of a Network Access Infrastructure
Configure a VPN Connection
Configure a Dial-up Connection
Configure a Wireless Connection
Control User Access to a Network
Centralize Network Access Authentication and Policy Management
by Using IAS
Lab
Summary

Managing and Monitoring Network Access
Introduction
Manage the Network Access Services
Configure Logging on a Network Access Server
Collect and Monitor Network Access Data
Lab
Summary
Course Summary

Course 2830: Designing Security for Microsoft Networks

Introduction to Designing Security for Microsoft Networks
Introduction

Introduction to Designing Security for Microsoft Networks
Introduction to Security Policies
Define a Process for Designing Security
Create a Security Design Team
Lab
Summary

Identifying Threats to Network Security
Introduction

Introduction to Security Threats
Categorize Threats with a Threat Model
Lab
Summary

Analyzing Security Risks
Introduction

Introduction to Risk Management
Create a Risk Management Plan
Lab
Summary

Threats and Risks to Physical Resources
Introduction
Threats and Risks to Physical Resources
Design Security for Physical Resources
Lab
Summary

Creating a Security Design for Computers
Introduction
Determine Threats and Analyze Risks to Computers
Design Security for Computers
Lab
Summary

Creating a Security Design for Accounts
Introduction
Determine Threats and Analyze Risks to Accounts

Design Security for Accounts

Lab

Summary

Creating a Security Design for Authentication

Introduction

Determine Threats and Analyze Risks to Authentication

Design Security for Authentication

Lab

Summary

Creating a Security Design for Data

Introduction

Determine Threats and Analyze Risks to Data

Design Security for Data

Lab

Summary

Creating a Security Design for Data Transmission

Introduction

Determine Threats and Analyze Risks to Data Transmission

Design Security for Data Transmission

Lab

Summary

Creating a Security Design for Network Perimeters

Introduction

Determine Threats and Analyze Risks to Network Perimeters

Design Security for Network Perimeters

Lab

Summary

Designing Responses to Security Incidents

Introduction

Introduction to Auditing and Incident Response

Design an Audit Policy

Design an Incident Response Procedure

Lab

Summary

Course Summary

Collection 2278: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Course 4983: Introducing Windows Server 2003 Network Infrastructure Planning, Tools, and Documentation
Course Introduction

Introducing Windows Server 2003 Network Infrastructure
Introduction to Network Design
Plan a Windows Server 2003 Network Infrastructure Project
Lab
Course Summary

Course 4984: Planning and Optimizing TCP/IP in a Microsoft® Windows Server 2003 Network Environment
Course Introduction

Planning and Optimizing a TCP/IP Physical and Logical Network
Plan a Functional TCP/IP Solution
Evaluate Network Performance
Lab
Course Summary

Course 4985: Planning and Troubleshooting Routing and Switching in a Windows Server 2003 Environment
Course Introduction

Planning and Troubleshooting Routing and Switching
Select Intermediate Devices
Plan an Internet Connectivity Strategy
Plan Routing Communications
Troubleshoot TCP/IP Routing
Lab
Course Summary

Course 4986: Planning, Optimizing, and Troubleshooting DHCP in a Windows Server 2003 Network Environment
Course Introduction

Planning, Optimizing, and Troubleshooting DHCP
Plan a DHCP Strategy
Secure a DHCP Solution
Improve DHCP Performance
Troubleshoot DHCP
Lab
Course Summary

Course 4987: Planning a DNS Strategy in a Microsoft® Windows Server 2003 Network Environment

Course Introduction

Planning a DNS Strategy

Plan DNS Servers

Plan a Namespace

Plan Zones

Plan Zone Replication and Delegation

Integrate DNS and WINS

Lab

Course Summary

Course 4988: Optimizing and Troubleshooting DNS in a Microsoft® Windows Server 2003 Network Environment

Course Introduction

Optimizing and Troubleshooting DNS

Optimize DNS Servers

Troubleshoot Host Name Resolution

Lab

Course Summary

Course 4989: Planning and Optimizing Windows Internet Name Service Using Microsoft® Windows Server 2003

Course Introduction

Planning and Optimizing WINS

Plan a WINS Solution

Identify WINS Optimization Requirements

Optimize WINS Traffic

Lab

Course Summary

Course 4990: Planning and Troubleshooting IPSec in a Microsoft® Windows Server 2003 Network Environment

Course Introduction

Planning and Troubleshooting IPSec

Understand Default Policy Rules

Plan an IPSec Deployment

Troubleshoot IPSec Communications

Lab

Course Summary

Course 4991: Planning Network Access in a Microsoft® Windows Server 2003 Network Environment
Course Introduction

Planning Network Access
Introduction to Network Access
Select Network Access Connection Methods
Select a Remote Access Policy Strategy
Select a Network Access Authentication Method
Plan a Network Access Strategy
Lab
Course Summary

Course 4992: Troubleshooting Network Access in a Microsoft® Windows Server 2003 Network Environment
Course Introduction

Troubleshooting Network Access
Troubleshoot Network Access Resources
Troubleshoot LAN Authentication
Troubleshoot Remote Access
Lab
Course Summary

Course 4993: Planning a Microsoft® Windows Server 2003 Network Infrastructure
Course Introduction

Planning a Windows Server 2003 Network Infrastructure
Introduction to Planning Documentation
Prepare Development and Test Environments
Manage and Maintain the Environment
Lab
Course Summary

Collection 2279: Planning, Implementing and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Course 4863: Introduction to Active Directory® Infrastructure in a Microsoft® Windows Server 2003 Environment
Course Introduction
Introduction to Active Directory Infrastructure
The Architecture of Active Directory
How Active Directory Works
Examine Active Directory

The Active Directory Design, Planning, and Implementation Processes

Lab

Course Summary

Course 4864: Implementing a Windows Server 2003 Active Directory Forest and Domain Structure

Course Introduction

Implementing an Active Directory Forest and Domain Structure

Create a Forest and Domain Structure

Examine Active Directory Integrated DNS

Raise Forest and Domain Functional Levels

Create Trust Relationships

Lab

Course Summary

Course 4865: Implementing a Windows Server 2003 Active Directory Organizational Unit Structure

Course Introduction

Implementing an Organizational Unit Structure

Create and Manage Organizational Units

Delegate Administrative Control for Organizational Units

Plan an Organizational Unit Strategy

Lab

Course Summary

Course 4866: Implementing Windows Server 2003 Active Directory User, Group, and Computer Accounts

Course Introduction

Implementing User, Group, and Computer Accounts

Introduction to Accounts

Create and Manage Multiple Accounts

Implement User Principal Name Suffixes

Move Objects in Active Directory

Plan an Account Strategy

Plan an Active Directory Audit Strategy

Lab

Course Summary

Course 4867: Implementing Group Policy in a Microsoft® Windows Server 2003 Active Directory® Environment

Course Introduction

Implementing Group Policy

Create and Configure GPOs

Configure Group Policy Refresh Rates and Settings

Manage GPOs

Verify and Troubleshoot Group Policy
Delegate Administrative Control of Group Policy
Plan a Group Policy Strategy for the Enterprise
Lab
Course Summary

Course 4868: Deploying and Managing Software Using Windows Server 2003 Active Directory Group Policy
Course Introduction
Deploying and Managing Software Using Group Policy
Introduction to Managing Software Deployment
Deploy Software
Configure Software Deployment
Maintain Deployed Software
Troubleshoot Software Deployment
Plan a Software Deployment Strategy
Lab
Course Summary

Course 4869: Implementing Sites to Manage Active Directory Replication in a Windows Server 2003 Environment
Course Introduction
Implementing Sites to Manage Active Directory Replication
Introduction to Active Directory Replication
Create and Configure Sites
Manage Site Topology
Troubleshoot Replication Failures
Plan a Site
Lab
Course Summary

Course 4870: Implementing the Placement of Windows Server 2003 Active Directory Domain Controllers
Course Introduction
Implementing the Placement of Domain Controllers
Implement the Global Catalog in Active Directory
Determine the Placement of Domain Controllers in Active Directory
Plan the Placement of Domain Controllers
Lab
Course Summary

Course 4871: Managing Operations Masters in a Microsoft® Windows Server 2003 Active Directory® Environment
Course Introduction
Managing Operations Masters

Introduction to Operations Master Roles
Transfer and Seize Operations Master Roles
Plan the Placement of Operations Masters
Lab
Course Summary

Course 4872: Maintaining Active Directory® in a Microsoft®
Windows Server 2003 Environment

Course Introduction
Maintaining Active Directory
Introduction to Maintaining Active Directory
Move and Defragment the Active Directory Database
Back Up Active Directory
Restore Active Directory
Plan for Monitoring Active Directory
Lab
Course Summary

Course 2282: Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure

Introduction to Designing an Active Directory and Network Infrastructure
Introduction
Examine General Design Principles
Design an Active Directory Infrastructure
Lab
Summary

Designing a Forest and Domain Infrastructure
Introduction
Gather Data for the Forest and Domain Design
Create a Logical Forest Design
Create a Domain Design
Design the DNS Namespace for Forests and Domains
Create a Trust Strategy
Determine a Migration Plan
Design a Schema Management Policy
Lab
Summary

Designing a Site Infrastructure
Introduction
Gather Data for Site Design

Create a Site Design
Modify a Site Design for Replication
Place Domain Controllers
Place Global Catalog Servers
Place Single Operations Masters
Lab
Summary

Designing an Administrative Structure
Introduction
Gather Data for Designing an Administrative Structure
Design a Network Administration Model
Design an Organizational Unit Structure
Design an Account Strategy
Lab
Summary

Designing the Group Policy
Introduction
Gather Data for Group Policy Design
Design a Group Policy Structure
Create an Organizational Unit Structure for Group Policy
Create a Group Policy Management Design
Lab
Summary

Designing the Physical Network
Introduction
Prepare to Design a Network Infrastructure
Create an IP Addressing Design
Design a DHCP Infrastructure
Design a Change Management Structure for Networking
Lab
Summary

Designing for Network Connectivity
Introduction
Gather Data for Network Connectivity
Select Connection Types
Design a Connectivity Infrastructure
Design for Internet Connectivity
Lab
Summary

Designing a Name Resolution Strategy
Introduction
Gather Data for a Name Resolution Strategy
Design a Domain Name Service (DNS) Strategy for Interoperability
Design a WINS Replication Strategy
Design a Name Resolution Strategy for Clients
Lab
Summary

Network Access Infrastructure Design
Introduction
Gather Data for Network Access Design
Design Network Access Security
Choose Remote Access Methods
Design a Remote Access Infrastructure
Design a Wireless Access Infrastructure
Lab
Summary

Course 2285: Installing, Configuring & Administering Microsoft Windows XP Professional

Installing Windows XP Professional
Module Introduction
Manually Install Windows XP Professional
Automate a Windows XP Professional Installation
Use an Image to Install Windows XP Professional
Transfer User Files and Settings to a New Computer
Install Windows XP Service Pack 2
Monitor Windows XP Professional Security by Using Security Center
Module Summary

Adding Hardware to Microsoft® Windows® XP Clients
Module Introduction
Install Hardware Devices
Configure Modems, Printers, and Monitors
Troubleshoot Device Drivers
Disable and Uninstall Hardware Devices
Module Summary

Resolving Boot Process Issues
Module Introduction
Understanding the Boot Process
Using Advanced Boot Options

Using the Boot.ini File to Change Startup Behavior
Using the Recovery Console to Start a Computer
Module Summary

Configuring the Desktop Environment
Module Introduction
Configure User Desktop Settings
Customize Menus and Folders
Configure System Settings
Manage User Profiles
Use Remote Assistance in Windows XP Professional
Use Remote Administration
Module Lab
Module Summary

Configuring Microsoft Internet Explorer and Supporting Applications
Module Introduction
Configure Security and Connection Settings for Internet Explorer
Customize and Deploy Internet Settings
Supporting Applications in Microsoft Windows XP Professional
Module Lab
Module Summary

Configuring Microsoft Windows XP Professional to Operate in a Microsoft Network
Module Introduction
Configure Microsoft Windows XP Professional for a Workgroup
Configure Local Security
Configure Windows Firewall
Configure Network Options in a Workgroup
Join a Domain
Module Lab
Module Summary

Configuring Windows for Mobile Computing
Module Introduction
Configure Hardware for Mobile Computing
Configure Power Management for Mobile Computing
Make Files and Web Sites Available Offline
Module Lab
Module Summary

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- SYSTEMVORAUSSETZUNG
- Pentium II, 256 MB RAM, mit einer Prozessorgeschwindigkeit von mindestens 400 MHz
 - Microsoft® Windows® 2000 oder höher
 - Microsoft Internet Explorer 6.0 oder höher
 - Macromedia Flash 7.0 oder höher (auf der Platte muss für die Installation 1 MB zur Verfügung stehen)
 - Microsoft Windows Media Player 7.0 oder höher
 - Microsoft XML Core Services 3.0 oder höher
 - Super VGA Monitor mit Sechzehnbit-Farbbildschirm und einer Bildschirmauflösung von mindestens 1024 x 768
 - Soundkarte sowie entweder Lautsprecher oder Kopfhörer
 - Internet-Bandbreite von mindestens 56 K. Wir empfehlen Breitband-Internet-Zugriff.
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