

Fastrack2Windows Server 2003: (Part 3) Planning, Maintaining and Securing a Microsoft Windows Server 2003 Network Infrastructure - M22782830

Course Details

Days 5
Course code M22782830

Course Outline

Overview

This five-day instructor-led course forms part of the Xpertise Fastrack2Windows 2003 MCSE programme. By combining Microsoft Official Curriculum with a focused and accelerated delivery, an individual can gain a deep understanding of Windows 2003 technologies in the shortest possible time. With a quicker pace of delivery, these courses are designed for individuals with existing Windows experience who need to achieve MCSE level skills. The course provides students with the knowledge and skills to plan and maintain a Microsoft Windows® Server 2003 networking infrastructure. Particular emphasis is placed on understanding and managing TCP/IP. In addition, the course also provides you with the knowledge and skills to design a secure networking infrastructure.

Given the nature of Fastrack courses, delegates will need to be prepared to spend study time in the evenings to fully cover the syllabus.

Prerequisites

This is a Fastrack2WindowsServer 2003 course designed for those individuals who need and are capable of absorbing technical content quickly. Typically you will be an experienced Windows Server Administrator who wants to either achieve MCSE certification in the shortest possible time or need to acquire Windows Server 2003 skills to support an internal deployment. 12 months experience of second or third line support of a Windows 2000 based infrastructure would be the recommended minimum level of exposure. This course is not suitable for those with limited exposure to networking. Ideally delegates will have completed the Comptia Network+ certification or have equivalent skills. Delegates will be expected to have successfully completed

Fastrack2Windows Server 2003: (Part 2) Implementing, Managing and Maintaining a Windows 2003 Network Infrastructure

or Microsoft courses

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and

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Leads to examination

- 70-293 - Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Leads to certification

- MCSE - Windows Server 2003

Delegates will learn how to

- Plan a TCP/IP Physical and Logical Network
- Plan and Troubleshoot a Routing Strategy
- Plan and Troubleshoot Internet Connectivity Strategy
- Plan a Dynamic Host Configuration Protocol (DHCP) Strategy
- Select a Name Resolution Solution
- Optimize and Troubleshoot DNS
- Plan Remote Access
- Plan Network Traffic Monitoring and Information Management
- Design security for physical resources
- Design security for computers
- Design security for accounts
- Design security for network perimeters
- Plan and Optimize WINS
- Troubleshoot Remote Access
- Plan, Optimize, and Troubleshoot IPSec
- Plan a framework for network security

- Identify threats to network security
- Analyze security risks
- Design security for data
- Design security for data transmission
- Design an incident response procedure
- Optimize and Troubleshoot DHCP
- Plan DNS
- Design security for authentication

Outline

- INTRODUCING WINDOWS SERVER 2003 NETWORK INFRASTRUCTURE PLANNING
- TOOLS, AND DOCUMENTATION
- PLANNING AND OPTIMISING A TCP/IP PHYSICAL AND LOGICAL NETWORK
- PLANNING AND TROUBLESHOOTING ROUTING AND SWITCHING
- PLANNING, OPTIMIZING AND TROUBLESHOOTING DHCP
- PLANNING A DNS STRATEGY
- OPTIMISING AND TROUBLESHOOTING A DNS
- PLANNING AND OPTIMISING WINS
- PLANNING AND TROUBLESHOOTING IPsec
- PLANNING NETWORK ACCESS
- TROUBLESHOOTING NETWORK ACCESS
- PLANNING A WINDOWS SERVER 2003 NETWORKING INFRASTRUCTURE
- INTRODUCTION TO DESIGNING SECURITY
- CREATING A PLAN FOR NETWORK SECURITY
- IDENTIFYING THREATS TO NETWORK SECURITY
- ANALYZING SECURITY RISKS

- CREATING A SECURITY DESIGN FOR PHYSICAL RESOURCES
- CREATING A SECURITY DESIGN FOR COMPUTERS
- CREATING A SECURITY DESIGN FOR ACCOUNTS
- CREATING A SECURITY DESIGN FOR DATA
- CREATING A SECURITY DESIGN FOR DATA TRANSMISSION
- CREATING A SECURITY DESIGN FOR NETWORK PERIMETERS
- DESIGNING RESPONSES TO SECURITY INCIDENTS

Recommended follow on course

- MS22792282 Fastrack2Windows Server 2003: (Part 4) Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory and Network Infrastructure
- MCSE - Windows Server 2003 - Messaging
- MCSE - Windows Server 2003 - Security