

Course Outline



Tel: +44 (0) 118 979 4000 Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk Web: www.ptr.co.uk

Exchange Server 2000 Design & Implementation

Course Description:

Exchange 2000 Server Design and Implementation will provide students with information about the different versions of Exchange 2000 Server and will guide students through the process of planning for, designing and deploying an Exchange 2000 organization including designing the Active Directory to support an Exchange 2000 organization, configuring Exchange 2000 administrative and routing groups, public folder design, and options for securing the Exchange 2000 organization. Students will receive deployment recommendations throughout the course, including recommended numbers of domain controllers and global catalog servers, Exchange 2000 server capacity planning information, and hardware configuration recommendations.

Pre-requisites:

To ensure your success, we recommend you first take the following courses or have equivalent knowledge:

- Windows 2000: Network Infrastructure Implementation
- Windows 2000: Administering the Active Directory
- Windows 2000 for Windows NT Administrators
- Exchange 2000 Server: Administration

Course Content:

- **Overview of the Exchange 2000 Design Process**
 - Exchange 2000 Product Overview
 - Determining What Version of Exchange 2000 is Installed
 - Overview of Basic Exchange 2000 Design Steps
 - Reviewing Case Studies and Determining Your Server and DomainNames

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- **Designing Active Directory for Exchange 2000**
 - Exchange 2000 Integration with Active Directory
 - Viewing Exchange Data in the Active Directory
 - Designing Active Directory for Exchange 2000
 - Reviewing the Superflex Active Directory Logical Structure
 - Listing and Creating Global Catalog Servers
 - Assigning Your Account the New UPN Suffix
 - Planning Active Directory Groups for Exchange2000
 - Reviewing the Superflex Inc. Group Structure
- **Designing an Exchange 2000 Administrative Model**
 - Exchange 2000 Administrative Models
 - Determining an Administrative Model for Superflex Inc.
 - Administrative Model Design Considerations
 - Analyzing the Superflex Case Study for Growth
 - Designing Administrative Group Boundaries for Task Management
 - Determining Administrative Group Boundaries for SuperflexInc.
 - Delegating Administrative Control
 - Delegating Permissions for the Superflex Administrative Model
- **Designing an Exchange 2000 Routing Topology**
 - Analyzing the Existing and Planned Organization
 - Analyzing the Superflex Organization for Routing
 - Planning Routing Group Boundaries and Message Flow
 - Determining Routing Group Boundaries and Message Flow Topology for the Superflex Organization

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- **Designing an Exchange 2000 Routing Topology**
 - Planning Connectors Between Routing Groups
 - Configuring Connectors and Connector Cost for Superflex
- **Designing and Deploying Exchange 2000 Public Folders**
 - Overview of Public Folders
 - Exploring the Web Storage System
 - Identifying Public Folder Usage Requirements
 - Evaluating Public Folder Usage Requirements
 - Defining Public Folder Views
 - Creating a General Purpose Public Folder Tree
 - Planning Public Folder Deployment
 - Planning Public Folder Replication
 - Creating Public Folder Policies
 - Designing a Public Folder Delegation and Permissions Model
 - Granting Public Folder Permissions and Testing
 - Deploying Full-text Indexing
 - Setting Indexing Options and Enabling Content Indexing
- **Designing an Exchange 2000 Security Strategy**
 - Security Risks
 - Reviewing Security Risks for the Superflex Organization
 - Protecting your Organization from Viruses
 - Configuring Browser-based Email Notification of Virus Alerts
 - Protecting your Exchange Organization from External Security Threats
 - Implementing Firewalls and Proxy Servers
 - Disallowing SMTP Relay on Virtual Servers
 - Securing Outlook Web Access

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- **Designing an Exchange 2000 Security Strategy**
 - Protecting your Organization from Internal Security Threats
 - Securing Distribution Lists
 - Designing an Authentication and Encryption Strategy
 - Reviewing Authentication and Encryption Needs for Superflex
 - Windows 2000 Security Considerations
 - Implementing IPSec security for Exchange Servers in Your Organization
- **Designing Exchange 2000 Server Roles and Placement**
 - Capacity Planning for Exchange 2000 Servers
 - Calculating Server Configuration and Capacity for Superflex
 - Active Directory Server Sizing and Placement
 - Using Your Experience with Hardware Deployments
- **Designing an Exchange 2000 Management and Operations Plan**
 - Designing a Change Plan
 - Discussion of Change Management
 - Designing an Operations Plan
 - Discussion of Operations Planning
 - Designing a Support Plan
 - Discussing Support Plans
 - Designing an Optimization Plan
 - Discussing the Optimization Plan

Course Duration:

3 Days

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