

## *Looking at Training Differently.....*

# Exchange 2000 Server: Design and Implementation

### Objectives:

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 organisation including designing the Active Directory to support an Exchange 2000 organisation, configuring Exchange 2000 administrative and routing groups, public folder design, and options for securing the Exchange 2000 organisation. Students will receive deployment recommendations throughout the course, including recommended numbers of domain controllers and global catalogue servers, Exchange 2000 server capacity planning information, and hardware configuration recommendations.

### Prerequisites:

To ensure your success, we recommend you first take the following course 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

### Duration:

5 days

### Additional Information:

Consultancy or Tailored courses are available upon request

## Course Contents

|  |   |
|--|---|
| <b>Overview of the Exchange 2000 Design Process</b>        |   |
| Exchange 2000 Product Overview                             | Case Studies  |
| Determining What Version of Exchange 2000 is Installed     | Reviewing Case Studies and Determining Your Server and Domain Names |
| Overview of Basic Exchange 2000 Design Steps               |   |
| <b>Designing Active Directory for Exchange 2000</b>        |   |
| Exchange 2000 Integration with Active Directory            | Listing and Creating Global Catalog Servers                         |
| Viewing Exchange Data in the Active Directory              | Assigning Your Account the New UPN Suffix                           |
| Designing Active Directory for Exchange 2000               | Planning Active Directory Groups for Exchange2000                   |
| Reviewing the Superflex Active Directory Logical Structure | Reviewing the Superflex Inc. Group Structure                        |
| <b>Designing an Exchange 2000 Administrative Model</b>     |   |
| Exchange 2000 Administrative Models                        | Designing Administrative Group Boundaries for Task Management       |
| Determining an Administrative Model for Superflex Inc.     | Determining Administrative Group Boundaries for Superflex Inc.      |
| Administrative Model Design Considerations                 | Delegating Administrative Control                                   |
| Analyzing the Superflex Case Study for Growth              | Delegating Permissions for the Superflex Administrative Model       |
| <b>Designing an Exchange 2000 Routing Topology</b>         |   |

Course content continues over the page

For more information, or to book your course, please call Sense Training on 0870 4296445  
 Or visit our web site – [www.sensetraining.co.uk](http://www.sensetraining.co.uk)

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### **Course Contents**

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| Analyzing the Existing and Planned Organization                      | Determining Routing Group Boundaries and Message Flow Topology for the Superflex Organization |
| Analyzing the Superflex Organization for Routing                     | Planning Connectors Between Routing Groups  |
| Planning Routing Group Boundaries and Message Flow                   | Configuring Connectors and Connector Cost for Superflex                                       |
| <b>Designing and Deploying Exchange 2000 Public Folders</b>          |   |
| Overview of Public Folders   | Planning Public Folder Replication  |
| Exploring the Web Storage System                                     | Creating Public Folder Policies   |
| Identifying Public Folder Usage Requirements                         | Designing a Public Folder Delegation and Permissions Model                                    |
| Evaluating Public Folder Usage Requirements                          | Granting Public Folder Permissions and Testing  |
| Defining Public Folder Views   | Deploying Full-text Indexing  |
| Creating a General Purpose Public Folder Tree                        | Setting Indexing Options and Enabling Content Indexing  |
| Planning Public Folder Deployment                                    |   |
| <b>Designing an Exchange 2000 Security Strategy</b>                  |   |
| Security Risks   | Securing Outlook Web Access   |
| Reviewing Security Risks for the Superflex Organization              | Protecting your Organization from Internal Security Threats                                   |
| Protecting your Organization from Viruses                            | Securing Distribution Lists   |
| Configuring Browser-based Email Notification of Virus Alerts         | Designing an Authentication and Encryption Strategy   |
| Protecting your Exchange Organization from External Security Threats | Reviewing Authentication and Encryption Needs for Superflex                                   |
| Implementing Firewalls and Proxy Servers                             | Windows 2000 Security Considerations  |
| Disallowing SMTP Relay on Virtual Servers                            | Implementing IPSec security for Exchange Servers in Your Organization                         |
| <b>Designing Exchange 2000 Server Roles and Placement</b>            |   |
| Capacity Planning for Exchange 2000 Servers                          | Active Directory Server Sizing and Placement  |
| Calculating Server Configuration and Capacity for Superflex          | Using Your Experience with Hardware Deployments   |
| <b>Designing an Exchange 2000 Management and Operations Plan</b>     |   |
| Designing a Change Plan  | Designing a Support Plan  |
| Discussion of Change Management                                      | Discussing Support Plans  |
| Designing an Operations Plan   | Designing an Optimization Plan  |
| Discussion of Operations Planning                                    | Discussing the Optimization Plan  |