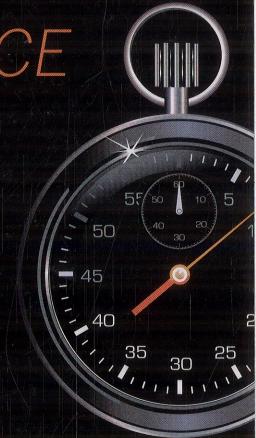
Microsoft®

Exchange Server 2010 Administration

INSTANT
REFERENCE



- · Real-World Solutions
- Answers on the Spot





SERIOUS SKILLS.

Contents

Introduction	xii
PART I: Getting Started	1
Chapter 1: Deploying Exchange Servers	3
Prepare for Installation	4
Plan the Exchange Deployment	4
Prepare Active Directory	10
Prepare the Server	15
Install Exchange Server 2010	20
Perform a Basic Installation	20
Perform an Advanced Installation	24
Perform an Automated Installation	32
Perform Post-Installation Tasks	33
Finalize the Installation	34
Configure Internet Mail Routing	41
Chapter 2: Using the Exchange Management Console and the Exchange	
Management Shell	49
Use the Exchange Management Console	50
Understand the EMC Basics	50
Use Advanced Features	56
Use the Exchange Management Shell	61
Understand the Basics of PowerShell	62
Script Administration Tasks	69
Manage Exchange Servers Remotely	83
Chapter 3: Managing the Organization	95
Manage Relationships with Other Organizations	96
Enable Data Sharing with Other Organizations	96
Define Which Information Users Can Share	107
Manage Address Lists	112
Manage Address List Content	113
Manage Address List Distribution	122

Chapter 4: Administering Recipients	131
Manage Recipient Accounts	132
Manage User Accounts	133
Manage Resource Accounts	142
Manage Recipient Addresses	148
Manage Recipient Mailboxes	155
Manage Mailbox Growth	155
Manage Mailbox Access	159
Manage Mailbox Data	162
Manage Distribution Groups	167
Manage Basic Distribution Group Functionality	167
Administer Access to Distribution Groups	171
Configure Distribution Groups That Update Automatically	174
PART II: Managing Exchange Server Roles	179
Chapter 5: Managing Client Access	181
Manage Web-Based Email Access	182
Configure OWA Connectivity	183
Configure OWA Features	192
Manage Access for Mobile Devices	196
Configure Mobile Device Connectivity	196
Manage Mobile Device Features and Settings	200
Protect Mobile Devices	206
Monitor Mobile Device Usage	215
Manage Outlook Client Access	218
Configure Outlook Anywhere	218
Configure Automatic Client Configuration	222
Configure Access for Third-Party Clients	225
Chapter 6: Managing Message Routing	229
Manage the Routing Topology	230
Configure How Exchange Sends and Receives Email	231
Manage Message Flow Inside the Forest	236
Manage Internet Message Flow	242
Manage Mail Transport Servers	255
Administer Transport Server Message Queues	255
Manage the Edge Transport Server	261
Chapter 7: Managing Mailbox Databases	267
Perform Essential Database Management	268
Manage the Database Files	268
Manage the Transaction Log Files	276
Manage Database Settings	280

Manage Database Redundancy	284
Configure Redundant Databases	285
Manage Database Replication	298
Manage Database Availability	304
Chapter 8: Managing Public Folders	309
Perform Essential Public Folder Management	310
Manage Public Folder Content	310
Define Public Folder Permissions	323
Configure Client Connectivity	328
Manage Public Folder Databases	332
Configure Public Folder Databases	332
Maintain Public Folder Databases	336
Manage Public Folder Replication	342
Configure Replication Parameters	342
Manage Replication	345
PART III: Mitigating Risk	353
Chapter 9: Administering Mailbox Content	355
Meet Message Retention Compliance	356
Enforce Records Management	357
Archive Email	369
Keep a Record of Email Communications	373
Protect and Disclose Information	378
Perform Search and Discovery of Email	378
Add Disclaimers and Ensure Message Integrity	387
Monitor and Restrict Communication	389
Perform Basic Message Policy Configuration	390
Apply Common Monitoring and Restriction Scenarios	394
Chapter 10: Maintaining Reliability and Availability	401
Utilize the Availability Options for Servers Based on Role	402
Load-Balance Client Access Servers	403
Increase Mailbox Database Availability	411
Implement Redundant Transport Servers	414
Back Up Exchange	419
Develop an Effective Backup Strategy	419
Perform Backups with the Windows Server Backup Tool	422
Recover Data	426
Recover Databases with the Windows Server Backup Tool	426
Recover Mailboxes	430
Recover Deleted Messages	437

Chapter 11: Monitoring Health and Performance	441
Keep Exchange Healthy	442
Ensure That Mail Flows Freely	443
Verify Exchange Server Health	455
Use the Exchange Best Practices Analyzer	464
Track Exchange Performance	465
Use the Performance Tools Available	466
Test the Performance Limitations in a Lab	471
Chapter 12: Securing Exchange Server	479
Configure Security for Exchange Servers	480
Secure Client Access Servers	480
Secure the Transport Layer	486
Manage Permissions	487
Understand the Exchange Server 2010 Administrative Model	488
Delegate Role-Based Permissions	491
Configure Message Hygiene Options	498
Battle Unwanted Mail	498
Protect Against Unwanted Mail Sources	502
Index	509