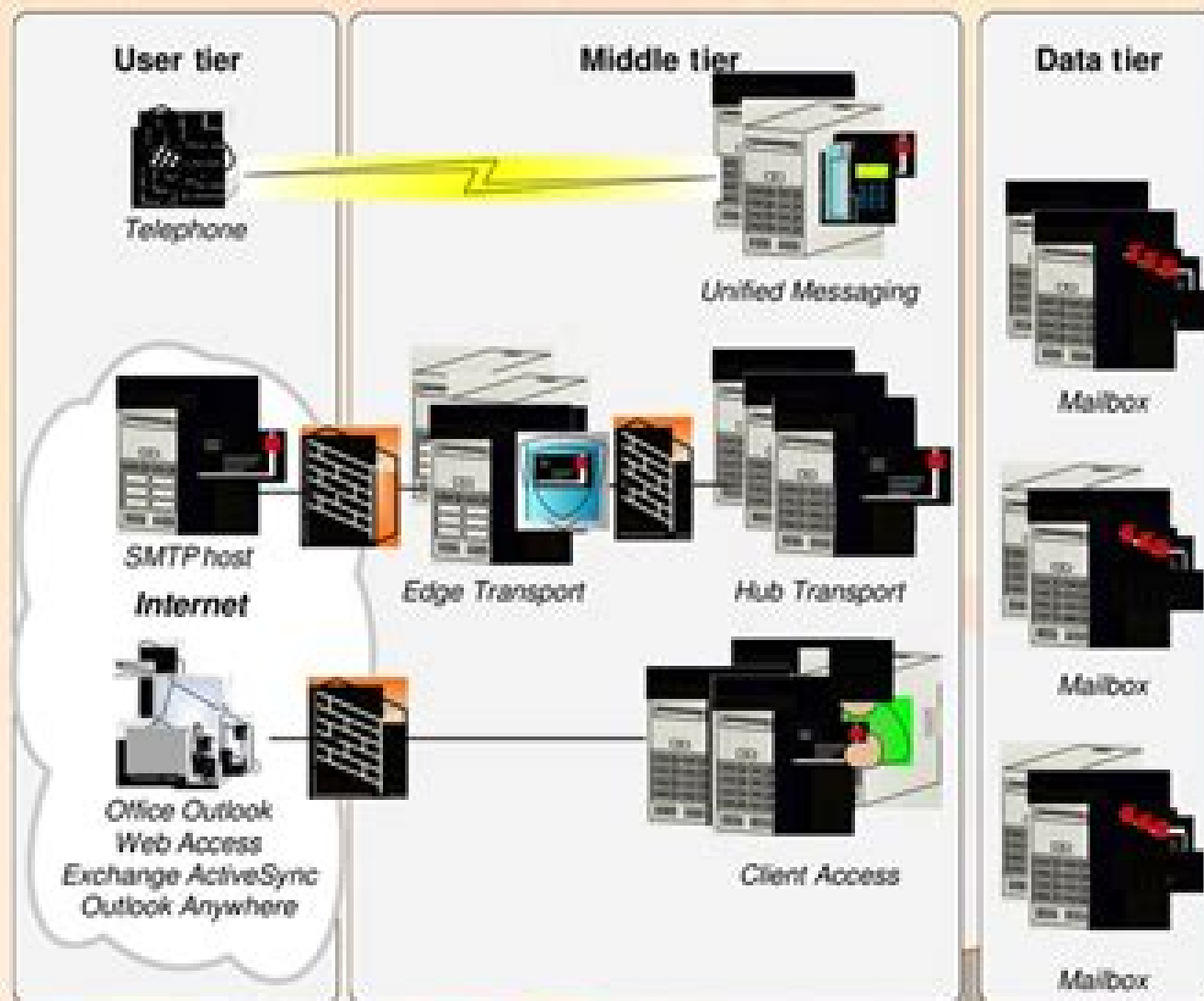


# High Availability Design w/Exchange 2007/2010

Microsoft Slide 2 - IT Showcase: Exchange Server 2007 Design and Architecture at Microsoft Technical White Paper



# Exchange Server 20performance And Scalability Guide

**Ed Tittel, Barry Shilmover, Tim Catura-  
Houser**



## **Exchange Server 20performance And Scalability Guide:**

**Microsoft® Exchange Server 2003 Scalability with SP1 and SP2** Pierre Bijaoui, 2011-04-18 Microsoft Exchange 2003 Server is the server component that provides electronic messaging in major corporate environments. It has had two updates since its release in 2003: SP1 and SP2. The author covers these along with critical changes in Windows 2003 Server such as the scalability features of the Active Directory and the server and storage technologies. This crucial release borrows from the legacy Exchange system but also from a myriad of others. The organization of the book provides necessary background on the software and hardware required in order to manage an efficient scalable Microsoft Exchange 2003 Server deployment. Key technology for planning a future strategy is covered in the form of hardware and software that enable mission critical solutions including Storage Area Networks and Gigabit networks. Microsoft Clustering and multi-core symmetric multiprocessing are reorganized to be a better reference and include details needed for Windows 2003 Server to effectively implement and manage a scalable Exchange infrastructure. Best practices for deploying Exchange 2003 SP2 in large-scale and high-performance environments are described. Gives final recommendations from consulting for Fortune 500 Corporations and from inside knowledge of Exchange 2000, Exchange 2003 SP1, SP2, and Windows Server 2003. Reviews key server and storage technologies and their appropriateness to scalable and high-performance Exchange infrastructures.

*Scaling Microsoft Exchange 2000* Pierre Bijaoui, 2002-01-08 Written by one of the industry's leading experts on Exchange Server performance optimization and scalability, this title teaches system designers and administrators the strategies, Exchange features, tools, and best practices to build and manage high-performance systems. 100 illus. **Mastering**

**Microsoft Exchange Server 2010** Jim McBea, David Elfassy, 2010-12-21 A top-selling guide to Exchange Server, now fully updated for Exchange Server 2010. Keep your Microsoft messaging system up to date and protected with the very newest version, Exchange Server 2010, and this comprehensive guide. Whether you're upgrading from Exchange Server 2007 SP1 or earlier, installing for the first time, or migrating from another system, this step-by-step guide provides the hands-on instruction, practical application, and real-world advice you need. Explains Microsoft Exchange Server 2010, the latest release of Microsoft's messaging system that protects against spam and viruses and allows for access to e-mail, voicemail, and calendars from a variety of devices and any location. Helps you thoroughly master the new version with step-by-step instruction on how to install, configure, and manage this multifaceted collaboration system. Covers planning and design, installation, administration, and management, maintenance, and more. Install or update your Microsoft Exchange Server with this guide, then keep it on hand for a comprehensive reference. **Managing Microsoft Exchange Server** Paul Robichaux, 1999-07-28 Microsoft Exchange is a big, complicated application; it requires more disk storage than Windows NT Server and has several hundred configuration property pages and dialogs. But it is also a very powerful and flexible messaging system. However, knowing that it can be made to do something and understanding how to do it are often worlds apart. Managing Microsoft Exchange Server

bridges this gap This book is a no nonsense practical guide to planning installing managing maintaining and troubleshooting Exchange networks Targeted at medium sized installations and up Managing Microsoft Exchange Server addresses the difficult problems these users face Internet integration storage management cost of ownership system security and performance management It goes beyond the basics to provide real hands on advice about what you need to know after you have your first site up and running and are facing issues of growth optimization or recovery planning Managing Microsoft Exchange Server comprehensively explains how Exchange works what it can do and how you can make it work for you

**Exchange Server 5.5 Secrets?** Robert Guaraldi, Jennifer Sides, Ned Studt, Jerry Condon, 1998-02-04 Exchange Server 5 5 secrets Connect Individuals Workgroups and Companies With its additional Internet protocol support and existing e mail and groupware standards Exchange Server 5 5 brings a unique communication and collaboration solution to businesses of all sizes Take full command of Exchange Server s new features and proven capabilities with the combined expertise of four veteran Exchange consultants and instructors In this insightful guide Robert Guaraldi Jennifer Sides Ned Studt and Jerry Condon bring you the insider knowledge and field experience needed to build a solid e mail groupware and workflow platform Your Insider Guide to Exchange Server 4 0 5 5 Administration Configure your Exchange Server for Windows UNIX and Macintosh clients Publish public folders on the Internet with the click of a button Deploy instant groupware with Microsoft Schedule and Outlook Explore the interaction between core third party and add on components Protect your vital mail and information with advanced security techniques Find how Internet clients use Internet protocols including Active Server Implement a seamless migration and integration from other mail systems Take advantage of Exchange NT Server s scalability for planning and designing an Exchange topology Bonus CD ROM includes trial versions of Visual EDI Electronic Data Interchange software Omtool fax server JumpStart groupware software Centri Firewall firewall protection Fulcrum Find search tool Plus the Exchange Service Guide and selected freeware and shareware from AppFarm Shareware programs are fully functional free trial versions of copyrighted programs If you like particular programs register with their authors for a nominal fee and receive licenses enhanced versions and technical support Freeware programs are free copyrighted games applications and utilities You can copy them to as many PCs as you like free but they have no technical support Find additional information about IKON Valinor at [www.valinor.com](http://www.valinor.com) Mission-Critical Microsoft Exchange 2003 Jerry Cochran, 2004-01-24 Mission Critical Microsoft Exchange 2003 provides a complete update of Cochran s Mission Critical Microsoft Exchange 2000 and complements Tony Redmond s new book the best selling Microsoft Exchange Server 2003 This book includes many of the same high availability topics as the first edition but also expands the coverage of storage technology server technology management and security The book meets the needs of an Exchange administrator or system implementer who is striving to maintain a production Exchange environment that delivers superior service levels high availability manageability and scalability with the lowest cost of ownership Gives lessons learned and other best practices

from organizations that have successfully deployed Exchange Includes material on the forthcoming release of Exchange 2003 Offers advice from one of the most experienced storage practitioners **Microsoft Exchange Server V5.0** Tony Redmond,1997 Microsoft Exchange Server V5 0 Planning Design and Implementation incorporates the author s general expertise gained from 15 years working with corporate messaging systems as well as several years specific experience working with large deployments of Exchange Server The new functionality of Exchange V5 0 is covered but the real value lies in the pragmatic and practical attitude taken to solving the problems posed by large scale implementations of any messaging system Exchange is not magic and little different to other e mail systems it is software that needs to be understood to be implemented well This book helps system designers implementation teams and e mail administrators understand what Exchange V5 0 is good at and where it needs human assistance to succeed Foreword by Elaine Sharp Worldwide Messaging Server Product Manager Microsoft Corporation March 1992 to October 1996 Fully covers all features of Microsoft Exchange Version 5 0 Practical guide to setting up an Exchange server **Microsoft Exchange Server 2013** Nathan Winters,Neil Johnson,Nicolas Blank,2013-07-12 Get the knowledge you need to deploy a top quality Exchange service The latest release of Microsoft s messaging system allows for easier access to e mail voicemail and calendars from a variety of devices and any location while also giving users more control and freeing up administrators to perform more critical tasks This innovative new field guide starts with key concepts of Microsoft Exchange Server 2013 and then moves through the recommended practices and processes that are necessary to deploy a top quality Exchange service Focuses on the Exchange ecosystem rather than just the features and functions of the Exchange product Focuses on scenarios facing real customers and explains how problems can be solved and requirements met Zooms in on both on premises deployments as well as Exchange Online cloud deployments with Office 365 Helps you thoroughly master the new version with step by step instruction on how to install configure and manage this multifaceted collaboration system Whether you re upgrading from Exchange Server 2010 or earlier installing for the first time or migrating from another system this step by step guide provides the hands on instruction practical application and real world advice you need **Microsoft Exchange Server 2007 For Dummies** John Paul Mueller,2008-11-24 Microsoft Exchange Server 2007 was made to help you handle e mail meeting management and other essential office services Microsoft Exchange Server 2007 For Dummies helps you get a handle on Exchange Server Pretty slick huh Here s the lowdown on installing and administering Microsoft Exchange Server 2007 and taking advantage of all the enhancements in Service Pack 1 With this handy guide you ll be able to maximize the security reliability and speed that Exchange Server 2007 provides Assess your organization s needs to determine which edition of Exchange Server best meets them Explore what Exchange Server does then plan install and configure it Consider how your users work with their mail and customize your set up to facilitate their needs Learn to use the Exchange Management Console Use the new Exchange Server security features to protect e mail from viruses spam phishing and other threats Set up an offline address

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**A Guide to Microsoft Exchange Server 5.5** Ed Tittel, Barry Shilmover, Tim Catura-Houser, 1998-11-19 This comprehensive book has been approved by Microsoft as courseware that prepares individuals for Microsoft's Exchange Server 5.5 Certification Exam 70 081 Topics are taught from the ground up starting with concepts and design moving through solving network problems This is possible through clear instruction pedagogical reinforcement and extensive end of chapter material which includes real world examples and projects

*Microsoft Exchange Server 2010 Best Practices* Joel Stidley, Siegfried Jagott, 2010-07-15 Covers Service Pack 1 Apply best practices for administering Exchange Server 2010 and SP1 and optimize your operational efficiency and results This guide captures the field tested solutions real world lessons and candid advice of practitioners across the range of business and technical scenarios and across the IT life cycle Gain expert insights on what works where to make tradeoffs and how to implement the best decisions for your organization Discover how to Apply scenario based guidance for planning and deployment Prepare Active Directory R and the server environment Validate requirements and understand configuration tradeoffs Learn best ways to manage users mailboxes and permissions Optimize message routing and security Design and implement Unified Messaging and federated delegation Define your archiving and compliance strategy Build high availability into your backup and recovery plan Monitor and tune performance Apply proven troubleshooting tactics Companion Web content features Checklists planning worksheets and other job aids Quick Reference Guide to best practices including recommended configurations Fast reference card for using Windows PowerShell TM

**Pro Exchange Server 2013 Administration** Jaap Wesselius, 2013-12-19 Pro Exchange Server 2013 Administration is your best in class companion for gaining a deep thorough understanding of Microsoft's powerful enterprise collaboration and communications server Author Jaap Wesselius is at your side as you administer every facet of Exchange Server 2013 revealing tips tricks and little known facts that will make your administration life simpler and more effective Along with revealing what's new in Exchange Server 2013 this well paced deeply engaging tutorial provides detailed deployment guidance for upgraders and migrators as well as for organizations entirely new to the Exchange platform The book details how all of the major Exchange components fit together from SMTP messages to all kinds of clients It also provides in depth configuration examples with an eye toward creating scalable reliable and secure installations Additionally this guide covers the tools and techniques for monitoring an Exchange environment and troubleshooting when things go wrong With Pro Exchange Server 2013 Administration you will Learn how to install Exchange Server fresh or upgrade from a

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**Designing Storage for Exchange 2007 SP1** Pierre Bijaoui,Juergen Hasslauer,2011-04-08 Designing Storage for Exchange 2007 SP1 will help you understand the new choices and possibilities available in designing your storage environment for Microsoft Exchange Server 2007 SP1 The move of Microsoft Exchange Server from a 32 bit application to the 64 bit world reduced the I O footprint on the storage subsystem This allows users to consider shared storage deployments or go the opposite way and focus on direct attached storage Supporting large mailboxes is now possible but how do you back up and recover the increased amount of data Exchange Server 2007 Continuous Replication and new features in Windows Server 2008 Failover Clustering provides interesting possibilities for geographically dispersed deployments This book explains these new built in features of Exchange Server 2007 and compares them with application independent data replication solutions provided by high end storage subsystems It is critical to understand these key technologies to make the right decision which storage solution best fits your business needs The authors share their experience from large scale deployments and depict configurations used during their projects Includes a description of how the move to a 64 bit application reduced the I O behavior Storage hardware technologies and Windows storage stack features for Exchange server Exchange Server 2007 Continuous Replication and Windows Server 2008 Failover Clustering Performance monitoring and analysis to optimize the Exchange Server 2007 configuration

**Mastering Microsoft Exchange Server 2016** Clifton Leonard,Brian Svidergol,Byron Wright,Vladimir Meloski,2016-09-23 A bestselling Exchange Server guide updated for the 2016 release Mastering Microsoft Exchange Server 2016 is the gold standard reference for system administrators and first time users alike Fully updated to align with the latest release this expert led guide provides comprehensive coverage and easy to follow tutorials for all aspects of Exchange Server installation configuration and management Whether you re migrating from an earlier version or installing Exchange Server for the first time this book gives you quick access to the answers you need Step by step instructions walk you through

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Microsoft Exchange Server 2016 Administration Guide Van Biljon Edward,2020-09-03 Discover and work with the new features in Microsoft Exchange Server 2016 Key Features a Deploy Exchange 2016 in a new environment or coexisting environment with a legacy version of Exchange a Learn how to migrate your environment from Exchange 2010 or 2013 to Exchange 2016 a Get familiar with Failover Cluster Manager as well as creating and managing Database Availability Groups DAG a Learn how to migrate unified messaging using Microsoft s guidelines Description This book is a handy guide on how you can use the features of Microsoft Exchange Server 2016 It begins with sharing the new features of Exchange 2016 and compares it with the previous versions This book will help you install Exchange 2016 and give you an in depth understanding of how to configure its server end to end to ensure its fully operational You will then go through the client connectivity protocols by configuring each one of them Later you will learn how to view create and configure Databases and Database Availability Groups Next you will perform migrations of Unified Messaging and also mailbox migrations in different ways in Exchange 2016 Lastly you will work with the new commands of Exchange Management Shell and Exchange Admin Center Towards the end you will go through the common issues in Exchange 2016 and learn how to fix them What will you learn a Learn how to configure all the Client connectivity protocols View Create and Configure Database and Database Availability Group a Create Public folders and Migrating Public folders from earlier versions of Microsoft Exchange a Understand the working of Exchange Management Shell and Exchange Admin Center a Troubleshoot some common issues in Exchange 2016 Who this book is for This book is for anyone interested in or using Microsoft Exchange 2016 It is also for professionals who have been using Microsoft Exchange 2013 and would like to get familiar with the new features of Exchange 2016 Table of Contents 1 Introduction to Exchange 2016 2 Installation of Exchange 2016 3 Post Configuration 4 Post Configuration Continued 5 Client Connectivity 6 Databases and Database Availability Groups 7 Public Folders 8 Unified Messaging 9



Migrations 10 Exchange Management Shell vs EAC 11 Troubleshooting common issues About the Author Edward van Biljon is an Experienced Messaging Specialist with a demonstrated history of working in the information technology and services industry He is a four time Office Apps Services MVP with 18 years of experience in Exchange Edward is also a Microsoft Certified Trainer and spends a lot of time teaching Exchange and other technologies like Azure and Office 365 Edward is a passionate blogger and creates videos and articles on how to do things in Exchange or how to fix a problem in Exchange You can also find him on the TechNet Forums assisting people that require help with their Exchange environment Your Blog links <https://collaborationpro.com> <https://everythingpowershell.com> Your LinkedIn Profile <https://www.linkedin.com/in/edwardvanbiljon75946840>

**Exchange Server 5.5 Study Guide** Richard Easlick, 1998 The expanded and improved second edition includes 200 pages of new material and enhanced CD content New in text exam objectives highlight important sections for readers The CD ROM contains a sample test program

**Exchange Server Cookbook** Paul Robichaux, Missy Koslosky, Devin L. Ganger, 2005-06-14 Ask network administrators what their most critical computer application is and most will say email without a moment's hesitation If you run a network powered by Windows 2000 or Windows Server 2003 Microsoft Exchange occupies much of your time According to Microsoft 110 million Exchange seats have been deployed but 60% of you are still running Exchange 5.5 That's a problem because the difference between version 5.5 and the more efficient Exchange 2000 and Exchange Server 2003 is profound Don't fret Exchange Server Cookbook offers you a comprehensive how to guide to these newer versions of Exchange You'll find quick solutions for the most common tasks you need to perform everything from installation and maintenance to configuration and optimization with proven recipes for the most useful tools and utilities The book also has solutions to some uncommon tasks that you may not know are possible and advanced procedures that aren't part of day to day operations These include tasks for critical situations such as using a recovery storage group Our reliable desktop reference even shows you how to write scripts for Exchange management and deployment tasks That's right While not every Exchange job can be scripted many can and we provide lots of working VBScript examples for accomplishing particular goals Whatever your particular need you'll find it quickly because chapters in this Cookbook are laid out by recipe with cross references to other pertinent solutions in the book With this guide you'll learn The relationship between Exchange and Active Directory When to use the GUI the command line or scripting How to prepare forests domains and servers How to use Group Policy to control Exchange Diagnostic logging measure performance and administrative privileges Recipient management user accounts mailboxes mail enabled groups Mailbox and public folder database management Message routing and transport functions Security backup restore and recovery operations For every question you have about Exchange 2000 or Exchange Server 2003 our Cookbook has the answer one that you can find and implement without a moment's hesitation

[Microsoft Exchange Server 2013 Unleashed](#) Rand Morimoto, Michael Noel, Guy Yardeni, Chris Amaris, Andrew Abbate, 2012-11-27 Microsoft Exchange Server 2013 doesn't just add dozens of new features It

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[Microsoft Exchange Server 2007: A Beginner's Guide](#) Nick Cavallancia, 2007-08-28 Support a Seamless Microsoft Exchange Server 2007 Messaging Environment Get started using Microsoft Exchange Server 2007 quickly with help from this easy to follow resource Using screenshots and step by step instructions Microsoft Exchange Server 2007 A Beginner's Guide shows you how to set up Exchange Server migrate from earlier releases manage recipients and administer storage You'll learn how to integrate with Outlook support mobile users handle backup and recovery and implement security measures The latest monitoring and reporting tools performance enhancement techniques and regulatory compliance procedures are also covered Install and configure Microsoft Exchange Server 2007 or migrate from earlier versions Create and manage recipients mailboxes and public folders Administer storage groups and databases Integrate seamlessly with Outlook 2007 Support remote users with Outlook Web Access Outlook Anywhere Outlook Voice Access and Active Sync Monitor administer and optimize your system using the Exchange Management Console Back up and recover Exchange databases Take advantage of the Exchange Management Shell capabilities

**Scalable Performance Data Server User's**

**Guide, Version 1** SAS Publishing, 1997-03-01

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