Session 029

Exchange Server 2003

Jim Kehoe, Senior Technology Specialist Messaging

IBM @server xSeries Technical Conference

Aug. 9 - 13, 2004

Chicago, IL

© IBM Corporation 2004

RETURN TO INDEX

Email is Mission Critical

- **META Group Survey April 2003**
  - **Email more than the Phone**
    - **387 organizations found that 80 percent believed e-mail was more important than the phone**
    - **74 percent of the respondents believed being without e-mail would present a greater hardship than losing telephone service.**
    - **Reasons: prioritization, record keeping, integration with applications**

Exchange Server 2003

Pervasive Productivity	**Information Worker Productivity Gains** **Communicate when and where needed** **Enable New Mobile and Remote Scenarios**
Mission Critical Dependability	**High Availability, Reliability** **Enhanced Security** **Flexible Deployment and Management**
Operational Efficiency	**Reduce Total Cost of Ownership** **Provide Greater Value** **Upgrade, Migrate, Co-existence**

Pervasive Productivity

Information Workers

Pervasive Productivity

Mission Critical Dependability

Operational Efficiency

Outlook 2003 Improvements

- New User Interface and Inbox Management Tools
- Supports Mobile and Remote Worker Scenarios
- Anti-Spam Filtering, Information Rights Management

New Outlook Web Access

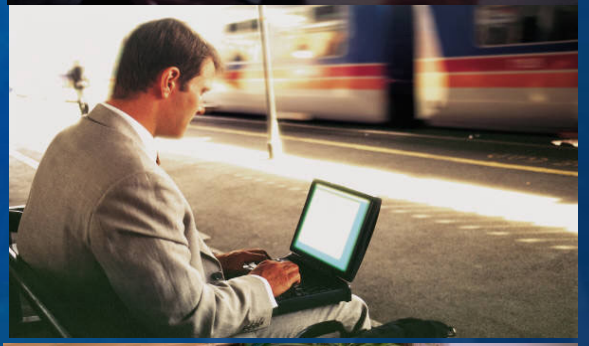
- Same interface and many of same features as Outlook 2003
- More secure access (S/MIME, HTML blocking, Logoff)
- Desk-less workers benefit from OWA

Secure Mobile Access

- Support for Windows Powered Mobile Devices
- Devices Synchronize directly with Exchange Server 2003
- Mobile Browse Support

Redefining Connected Outlook 2003 and Exchange 2003

- Support for Mobile and Remote Worker Scenarios
  - Outlook over slow link: Improved performance over low bandwidth, latent, poor networks
  - Cached Exchange Mode: Isolating the user from network and server availability



Outlook 2003 is Internet Ready

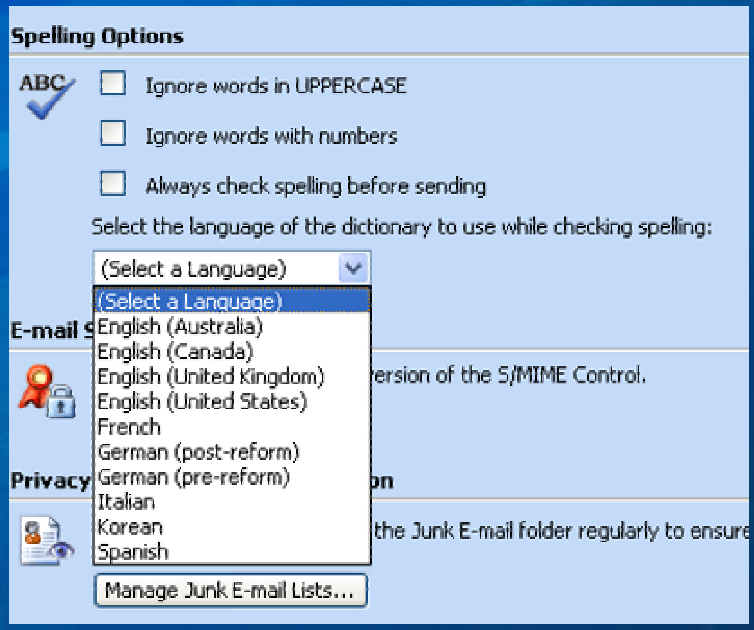
- VPN’less Access from Outlook 2003 to Exchange 2003 over the Internet
  - MAPI (RPC) over HTTP(S)
  - Same URL as OWA/OMA/EAS
  - Security/Authentication
    - SSL
    - NTLM by default (Configurable to Basic)

Exchange and Outlook Fight Spam

- Exchange Server 2003
  - Global Allow/Deny Lists
  - Real Time Block Lists
  - Support for Partner Solutions Spam Confidence Level (SCL)
- Outlook 2003 Spam Filter
  - Hi, Low, None, Safe List Only, Auto-delete
- Block Senders, Safe Senders List
  - Upload to Exchange 2003

New Outlook Web Access (OWA)

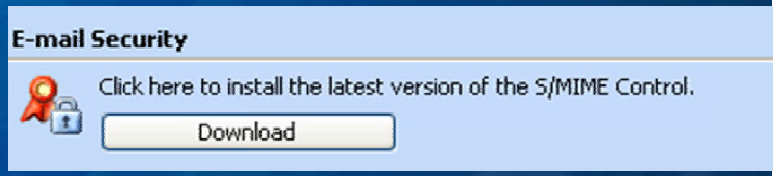
- Everything customers love in Outlook
- Spell Check
  - Tasks
  - Rules – Server Side
  - Mark read/unread
  - Sort and ‘type down’
  - Up to 100 messages listed in view
- Everything customers will love in Outlook 2003
  - Multi-Colored Quick flag support
  - View Search Folders
  - Preview pane on right side and two line view
  - HTML Frame resizing



Outlook/OWA Demo

New Outlook Web Access

- Improved performance
  - Use idle time to pre-download controls
  - Fewer Roundtrips, reduced redundant data
  - GZip compression - approx 30% improvement
  - Total: 80% performance improvement over Exchange 2000 OWA
- Improved security
  - S/MIME signing/encrypting
  - Install S/MIME ActiveX Control on client
  - Cookie based logon and Timed logoff
  - Attachment blocking – Can block by file type, access method (FE vs BE) or hostname
  - External content blocking – block references to external content (user override)
  - Safe/Block Lists



Exchange Server 2003 Mobility

Access to your mailbox from mobile devices over any network

- ES03 comes with Mobility built-in
  - Exchange Server ActiveSync
  - PocketPC
  - Windows Powered Mobile Devices
  - Smartphones
  - Mobile Browse Support – HTML,xHTML, cHTML
- Integrated topologies, deployment, and management with OWA

Secure and Dependable Communications

Pervasive Productivity

Mission Critical Dependability

Operational Efficiency

High Availability

- Proactive Monitoring and Management with Microsoft Operations Manager
- Improved Virtual Memory Management

Greater Security

- Default settings optimized for security
- Exchange communication links more secure (Kerberos, IPsec, and SSL)
- Anti-Spam protection at Server and Client
- Outlook Web Access more secure from anonymous PCs

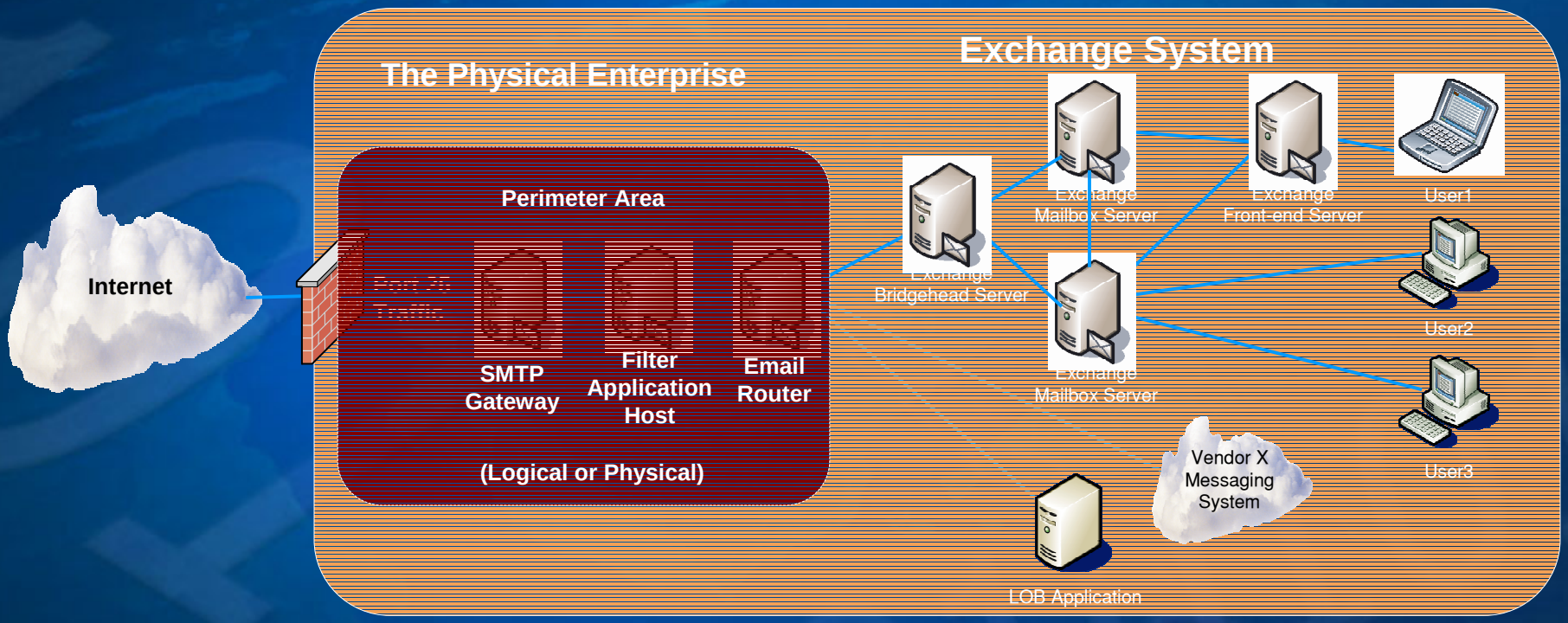
Availability and Dependability

- Fast backup/recovery
  - Volume Shadow Copy Service
  - Recovery Storage Group
- Higher availability
  - Improved Virtual Memory Management
  - Outlook 2003 Client Performance Logging
  - Integration with IIS 6.0 Dedicated App Mode
  - 4 & 8 node clustering with Windows Server 2003
- Security Enhancements
  - Outlook 2003 – Exchange 2003 Kerberos
  - Tight Windows Server 2003 Integration
  - Trustworthy computing
- Secure email
  - S/MIME (Outlook, OWA)

Microsoft Exchange Intelligent Message Filter

- Leverage SmartScreen Technology
- Extension to Exchange2003 Server, deployed on Internet Bridgeheads
- Leverages the ISV infrastructure
- Coexistence with 3rd party solutions
- Supports per Message tagging
- Administration via Exchange System Manager Console extension
- Update Service
- http://www.microsoft.com/exchange/imf

Exchange Edge Services



Cost Control with Exchange 2003

Pervasive Productivity

Mission Critical Dependability

Operational Efficiency

Reducing the Total Cost of Ownership

Administrative Productivity

- **Single Seat Administration with Active Directory**
- **Proactive Monitoring and Management with Microsoft Operations Manager**
- **Get more done each day**
- **New Deployment Tools**

Server Consolidation Opportunities

- **Operational Efficiency**
- **Reduce Servers**

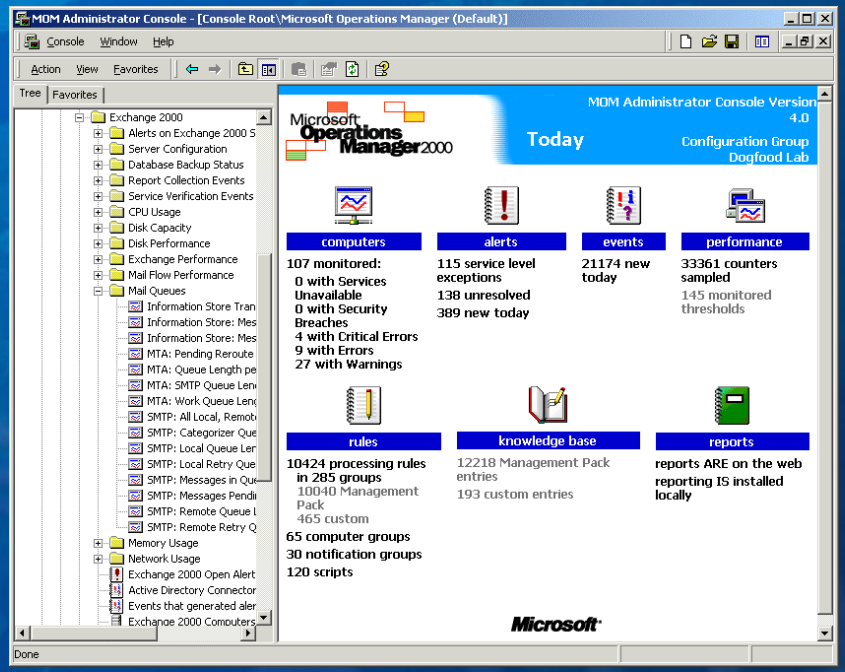
Administering Exchange 2003 Productivity for Administrators

- Integration with Active Directory
- Internet Mail Connection Wizard
- Query Based Distribution Group
- Move Mailbox improvements
  - Multi-threaded
  - Scheduled
- Public Folder administration enhancements
- Enhanced Windows Management Instrumentation (WMI) monitoring capability – greater manageability and availability

Microsoft Operations Manager (MOM)

High Uptime, Proactive Problem Management and Rapid Resolution

- Management solution for distributed systems
- Exchange Management Pack
  - Out-of-box alerting and monitoring for Exchange based upon 1700 Rule Definitions
  - All components and topologies are monitored
    - Exchange Mailbox/Transport, AD, IIS, Outlook 2003
  - Available for Exchange Server 2003
- More Information http://www.microsoft.com/exchange/mom



RETURN TO INDEX