

# Migrating to Exchange 2003



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# Topics



- Windows 2003, Exchange 2003, and Outlook 2003
- Migrating from Exchange 5.5
- Migrating from Exchange 2000

# Windows, Exchange, and Outlook



- Major concurrent technology refresh to update Windows 2000/Exchange 2000/Office 2000 on 3-year cycle
- Theme – consolidation
  - Scale up users per server
  - Exploit latest hardware
  - Reduce bandwidth
- Some gain possible with partial deployment, but trio work best together
  - VolumeShadowCopy Services (hot snapshots)
  - MAPI over HTTP

# Migrating from Exchange 5.5



- Problem: Exchange 5.5 approaching end of life and not supported on Windows 2003 servers
  - <http://support.microsoft.com/default.aspx?scid=fh;en-us;LifeSrvr> (lifetime for products)
  - <http://www.microsoft.com/exchange/evaluation/ti/tiwinnet.asp> (support for different versions of Exchange on Windows 2003)
- No magic bullet to enable one-stop upgrade
- Options:
  - Exchange 5.5 -> 2000 -> 2003 (plus O/S and AD schema upgrades)
  - Introduce new Exchange 2003 on Windows 2003 servers and use Move Mailbox (recommended)
  - Be careful when decommissioning old Exchange 5.5 servers

# Migrating from Exchange 5.5 – Toolset



- Basic approach as used in Exchange 2000
  - ADC – Active Directory Connector
  - SRS – Site Replication Services
  - ExDeploy – Exchange Deployment Toolset (new)

# Migrating from Exchange 2000 (SP3)



- Easy upgrade – under 30 minutes with preparation
- Because of IIS and AD dependencies, we have an O/S upgrade waltz
  - Upgrade O/S to Windows 2000 SP3
  - Apply ForestPrep and DomainPrep for Exchange 2003
  - Install Exchange 2003
  - Upgrade O/S to Windows 2003
  - Alternative is to install new Windows 2003/Exchange 2003 servers and use Move Mailbox to redistribute mailboxes
  - ExDeploy available for this migration too
  - Front-end servers must be upgraded first (both FE and BE servers required for new OWA interface)

# What benefits do you get from upgrading?



- Improved reliability and performance
- Improved administration
  - Better ESM (PF administration, queue viewing, support for XP workstations, mailbox recovery center)
  - Recovery Storage Group
  - Query-based distribution groups
  - Anti-spam built into server (connection filters) and client (junk mail processing and web beacon blocks)
  - Multi-threaded Move Mailbox (for site/server consolidation)
- Wider range of clients

# Client Access to Exchange 2003



- Any MAPI client since “Capone” shipped with Exchange 4.0
- New Outlook 2003 client for cached mode support/HTTP access
- Radically improved Outlook Web Access
  - Continued “Rich” and “Reach” separation
- Smartphones and PDAs using Outlook Mobile Access and Exchange ActiveSync
- Microsoft Entourage for Macintosh
- Internet POP3 and IMAP4 clients



# Branded Outlook Web Access



Microsoft Outlook Web Access - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://tlgex01/exchange/> Go Links

Google Search Web Search Site News Page Info Up Highlight

hp outlook web access

Junk E-mail (Two-Line View) Items 1 to 30 of 55 Log Off

Folders

- Redmond, Tony
  - Calendar
  - Contacts
  - Customers
  - Digital Press
  - Drafts
  - HPCI Management
  - Items en route
  - Journal
  - Junk E-mail
  - Notes
  - Outbox
  - Personal
  - Sent Items
  - Sync Issues
  - Tasks
  - Technology Leaders
  - Tony's Inbox (5)
  - Wastebasket (5)
  - Working

Tony's Inbox

Calendar

Contacts

Tasks

Public Folders

Rules

Options

From	Received
Daily Dilbert	Sat 24/05/2003 06:21
Your Daily Dilbert 05/24/2003	
Daily Dilbert	Fri 23/05/2003 06:21
Your Daily Dilbert 05/23/2003	
Daily Dilbert	Thu 22/05/2003 06:21
Your Daily Dilbert 05/22/2003	
Daily Dilbert	Wed 21/05/2003 06:21
Your Daily Dilbert 05/21/2003	
Daily Dilbert	Tue 20/05/2003 06:21
Your Daily Dilbert 05/20/2003	
Daily Dilbert	Mon 19/05/2003 06:21
Your Daily Dilbert 05/19/2003	
Daily Dilbert	Sat 17/05/2003 06:21
Your Daily Dilbert 05/17/2003	
Daily Dilbert	Fri 16/05/2003 06:21
Your Daily Dilbert 05/16/2003	
Daily Dilbert	Thu 15/05/2003 06:21
Your Daily Dilbert 05/15/2003	
Daily Dilbert	Wed 14/05/2003 06:21
Your Daily Dilbert 05/14/2003	
Daily Dilbert	Tue 13/05/2003 06:21
Your Daily Dilbert 05/13/2003	
Daily Dilbert	Mon 12/05/2003 06:21
Your Daily Dilbert 05/12/2003	
Daily Dilbert	Sat 10/05/2003 06:21
Your Daily Dilbert 05/10/2003	
Daily Dilbert	Fri 09/05/2003 06:21
Your Daily Dilbert 05/09/2003	
Daily Dilbert	Thu 08/05/2003 06:20
Your Daily Dilbert 05/08/2003	
Daily Dilbert	Wed 07/05/2003 06:20
Your Daily Dilbert 05/07/2003	

### Your Daily Dilbert 05/24/2003

Daily Dilbert [dailycomic#2.42145.31323730333937.1@comicsmail.unitedmedia.com]  
To: Redmond, Tony  
Cc:

Hi Dilbert Fan, enjoy your daily comic from [Dilbert.com](http://Dilbert.com). 05/24/2003

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YOU'VE GOT TO FOCUS ON EXECUTION!

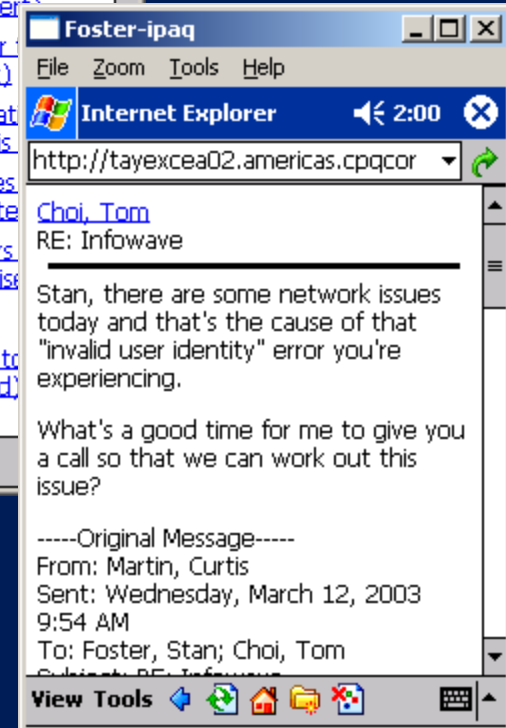
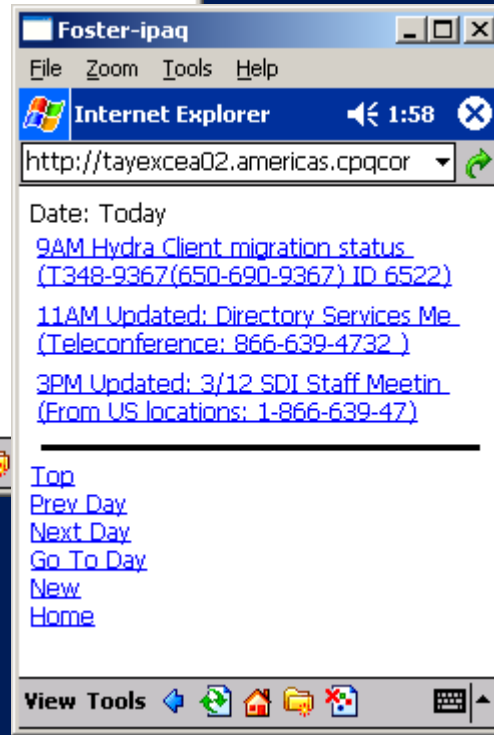
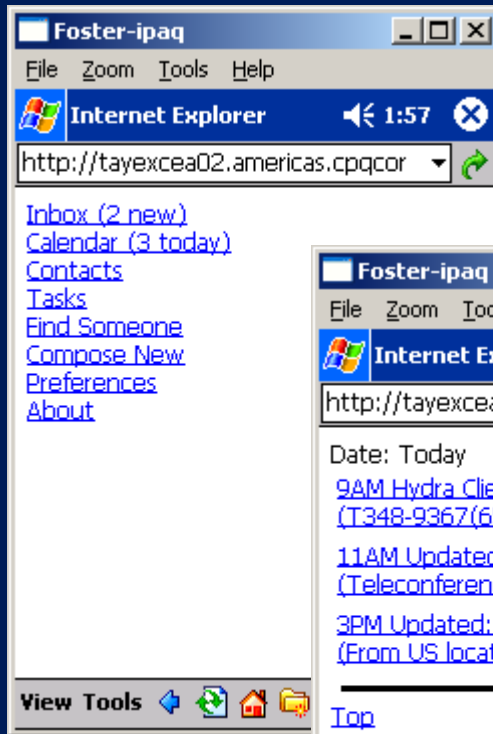
I THINK HE WANTS ME TO EXECUTE PEOPLE.

MAKE IT LOOK LIKE AN ACCIDENT.

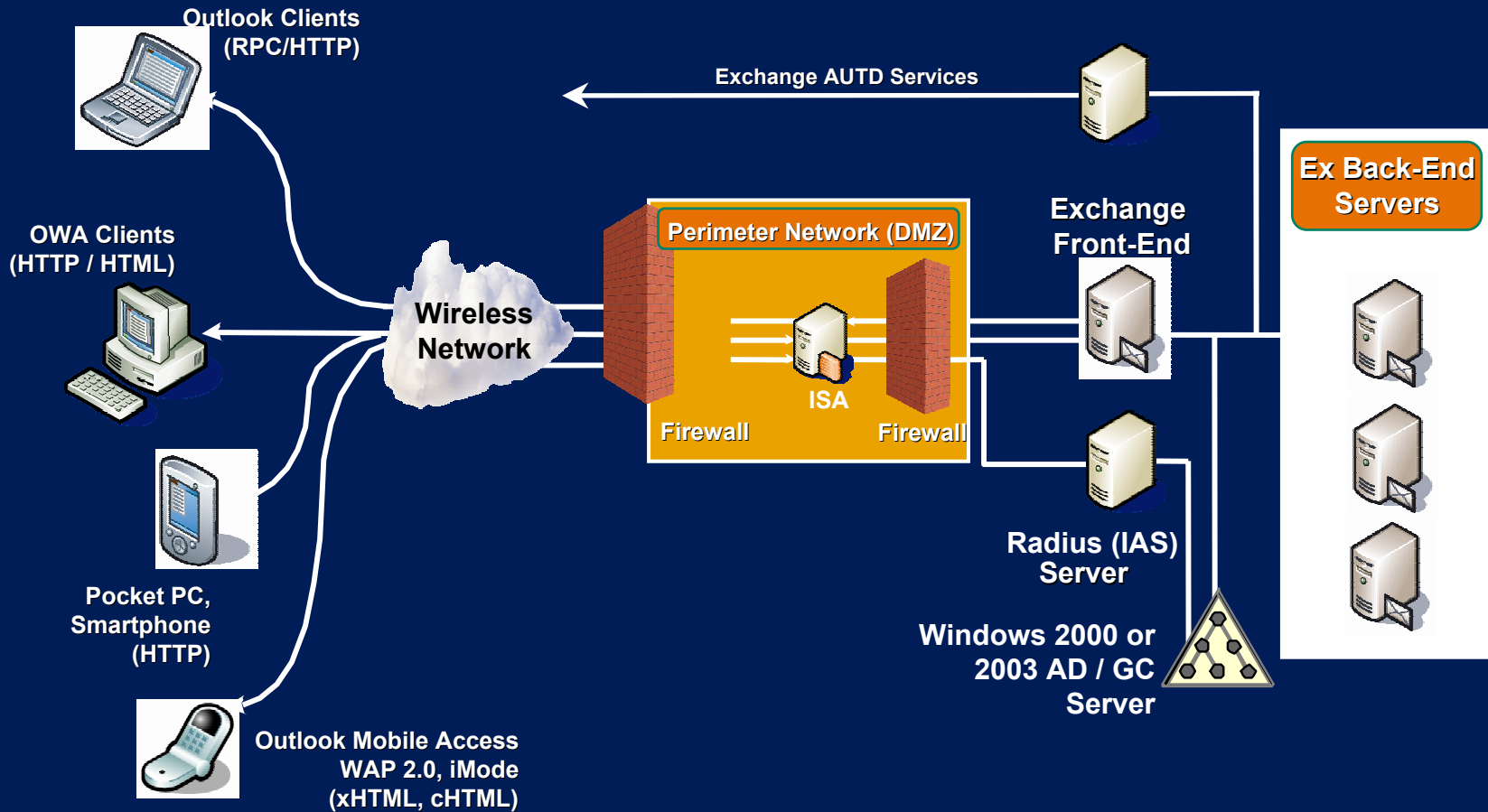
FROM NOW ON, MY STAFF MEETINGS WILL BE TWO HOURS LONG.

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# OMA on the iPAQ using Pocket IE



# One infrastructure for all devices?



# Should I upgrade to Windows 2003?



- Microsoft's view available from:  
[http://www.microsoft.com/exchange/evaluation/ti/features/Win\\_Compare.asp](http://www.microsoft.com/exchange/evaluation/ti/features/Win_Compare.asp)
- Deploying Exchange 2003 on Windows 2003 gains:
  - Better AD replication
  - GC stability and performance (and load from media)
  - IIS 6.0 enhanced security
  - Eight-way clusters
  - MAPI over HTTP
  - Volume ShadowCopy Services
- Windows 2003 also includes Windows SharePoint Services

# HP Status (June 2003)



- Production AD forest upgraded to Windows 2003
- Windows 2003 schema is frozen and in production
- 12 Exchange 2003 FB servers in production
- Participating in Office 2003 beta
- Planning for the OWA/OMA/MAPI-RPC/ISA deployment as part of internal project to migrate old pre-merger HP Windows NT/Exchange 5.5 environment to Windows 2003/Exchange 2003

# Benefits for HP



- More server consolidation
  - Outlook cache, MAPI compression, full-featured OWA
- Improved user experience (features and performance)
  - Lots of new features in Outlook, OWA and Exchange
- Support for diverse devices
  - Phone, PDA, Browser, Windows, POP, IMAP
- Internal and external access over secure channel.
  - OWA, OMA, AirSynch
  - MAPI over HTTP is the killer feature for road warriors
- Opportunities for high availability and disaster recovery
  - Better clustering, snapshot instant backup
- Improved stability, performance, and manageability.

# Best Practice



- Prepare, don't rush into the migration
  - Exchange 5.5 organizations have more room for consolidation
- Deploying new servers is easier than upgrades
- Co-ordinate movement with Windows 2003 deployment to maximize benefit

# Next Steps



- Gain information
  - Lots of sessions to attend at TechEd
- Stop by the HP booth to collect data on mobility, sizing, etc.
- Ask some questions here!