User State Migration Tool
USMT 4.0
The USMT Process

1. Upgrade Applications
2. Run ScanState Store locally or across the network

XP SP2

Deployment Server
How USMT Works

- It’s all command line
  - Scanstate
    - Runs to gather users data, settings and application settings
  - Loadstate
    - Applies users data, settings and application settings
<table>
<thead>
<tr>
<th>OS Supported</th>
<th>ScanState</th>
<th>LoadState</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows XP Professional</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Windows XP Professional x64 Edition</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>32-bit versions of Windows Vista</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>64-bit versions of Windows Vista</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>32-bit versions of Windows 7</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>64-bit versions of Windows 7</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
What Is and Isn’t Supported

- **Can** - Migrate a 32-bit OS to a 64-bit OS
- **Cannot** - migrate a 64-bit OS to a 32-bit OS
- **Can** - Migration from XP SP2 / SP3
- Not supported on:
  - Windows Server Oss
  - Starter editions for Windows XP, Windows Vista, or Windows 7
Requirements

- **USMT must be run in Administrator mode**
  - Right-click a command prompt and choose “Run as Administrator”

- **OR**

- **If you don’t log on with an administrator account then the only user profile that will be migrated is the one you logged on as**
The Built-in Scripts

- MigUser.xml
- MigApp.xml
- MigDocs.xml
MigUser.XML

- Rules to migrate user profiles and data
- Describes a “core” migration
- Folders that will be migrated

- My Documents
- My Video
- My Music
- My Pictures

- Desktop files
- Start menu
- Quick Launch settings
- Favorites
Folders from “All Users” and “Public” Profiles

- **All Users** profile
  - Windows XP

- **Public** profile in Vista or Windows 7
  - Shared Documents
  - Shared Video
  - Shared Music
  - Shared desktop files
  - Shared Pictures
  - Shared Start menu
  - Shared Favorites
## Types of Files to Migrate

All Fixed Drives are Searched

- .accdb
- .ch3
- .csv
- .dif
- .doc*
- .dot*
- .dqy
- .iqy
- .mcw
- .mdb*
- .mpp
- .one*
- .oqy
- .or6
- .pot*
- .ppa
- .pps*
- .ppt*
- .pre
- .pst
- .pub
- .qdf
- .qel
- .qph
- .qsd
- .rqq
- .rtf
- .scd
- .sh3
- .slk
- .txt
- .vl*
- .vdf
- .vsd
- .wk*
- .wpd
- .wps
- .wq1
- .wri
- .xl*
- .xla
- .xlb
- .xls*
Settings That are Migrated

- Accessibility settings
- Address book
- Command-prompt settings
- *Desktop wallpaper
- EFS files
- Favorites
- Folder options
- Fonts
- Users, Groups and Group memberships
- *Windows Internet Explorer® settings
  * Settings not available for offline migration
More Settings That are Migrated

- Microsoft Open Database Connectivity (ODBC) settings
- Mouse and keyboard settings
- Network drive mapping
- *Network printer mapping
- *Offline files
- *Phone and modem options
- RAS connection and phone book (.pbk) files
- *Regional settings
- Remote Access
The Last of The Settings That are Migrated

- *Taskbar settings
- Windows Mail
- Microsoft Outlook Express Mail (.dbx) files are migrated from Windows XP
- *Windows Media Player
- Windows Rights Management
The following does not migrate with MigUser.xml:
- Files outside the user profile that don’t match any file extensions listed in MigUser.xml.
## Application Settings Migrated

<table>
<thead>
<tr>
<th>Application</th>
<th>Version/Release Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adobe Acrobat Reader</td>
<td>9</td>
</tr>
<tr>
<td>AOL Instant Messenger</td>
<td>6.8</td>
</tr>
<tr>
<td>Apple iTunes</td>
<td>7, 8</td>
</tr>
<tr>
<td>Apple QuickTime Player</td>
<td>7</td>
</tr>
<tr>
<td>Apple Safari</td>
<td>3.1.2</td>
</tr>
<tr>
<td>Google Chrome</td>
<td>beta</td>
</tr>
<tr>
<td>Google Picasa</td>
<td>3</td>
</tr>
<tr>
<td>Google Talk</td>
<td>beta</td>
</tr>
<tr>
<td>IBM Lotus 1-2-3</td>
<td>9.8</td>
</tr>
<tr>
<td>IBM Lotus Notes</td>
<td>8</td>
</tr>
<tr>
<td>IBM Lotus Organizer</td>
<td>9.8</td>
</tr>
<tr>
<td>IBM Lotus WordPro</td>
<td>9.8</td>
</tr>
<tr>
<td>Intuit Quicken</td>
<td>2009</td>
</tr>
<tr>
<td>Money Plus Business</td>
<td>2008</td>
</tr>
<tr>
<td>Money Plus Home</td>
<td>2008</td>
</tr>
<tr>
<td>Mozilla Firefox</td>
<td>3</td>
</tr>
<tr>
<td>Microsoft Office Excel</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office FrontPage</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office OneNote</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office Outlook</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office Publisher</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office Word</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Opera Software Opera</td>
<td>9.5</td>
</tr>
<tr>
<td>Microsoft Outlook Express</td>
<td>(mailbox file)</td>
</tr>
</tbody>
</table>
# Last of the Apps

<table>
<thead>
<tr>
<th>Application</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Project</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>Microsoft Office Visio</td>
<td>2003, 2007</td>
</tr>
<tr>
<td>RealPlayer Basic</td>
<td>11</td>
</tr>
<tr>
<td>Sage Peachtree</td>
<td>2009</td>
</tr>
<tr>
<td>Skype</td>
<td>3.8</td>
</tr>
<tr>
<td>Windows Live Mail</td>
<td>12, 14</td>
</tr>
<tr>
<td>Windows Live Messenger</td>
<td>8.5, 14</td>
</tr>
<tr>
<td>Windows Live MovieMaker</td>
<td>14</td>
</tr>
<tr>
<td>Windows Live Photo Gallery</td>
<td>12, 14</td>
</tr>
<tr>
<td>Windows Live Writer</td>
<td>12, 14</td>
</tr>
<tr>
<td>Windows Mail</td>
<td>Vista only</td>
</tr>
<tr>
<td>Microsoft Works</td>
<td>9</td>
</tr>
<tr>
<td>Yahoo Messenger</td>
<td>9</td>
</tr>
<tr>
<td>Zune</td>
<td>3</td>
</tr>
</tbody>
</table>
Microsoft Office is Special

• Cannot migrate from/to a different version of an application
• Except for Microsoft Office
  ○ USMT can migrate from an earlier version to a later
  ○ Microsoft Project settings are not migrated from Office 2003 to Office 2007
OS Settings NOT Migrated

- Data from mapped network drives
- Local printers
- Hardware-related settings
- Drivers
- Passwords
- Application binary files
- Synchronization files
- DLL files

- Executable files
- Permissions for shared folders
- Languages must match
- Customized icons for shortcuts
- Taskbar settings (Migrating from XP)
Migrating from XP

- **Internet Connection Firewall** check box and settings are migrated
- **Internet Connection Sharing** setting is **not** migrated
  - Could make the network less secure if migrated to the destination computer
- The firewall advanced-configuration settings are **not** migrated because of increased security risks
- The **Network Connections** user interface does not refresh properly until you log off or press F5
Data and USB Drives

- Data residing on USB hard disks will be migrated
- Data residing on USB flash drives (UFD) will **not** be included when you specify the `/localonly` option
ScanState & LoadState

- **Running ScanState**
  - Command prompt
    - Scanstate C:\Path To Store Data
    - Scanstate C:\USMT
    - Scanstate C:\USMT /Auto
    - Scanstate C:\USMT /Auto /hardlink /nocompress

- **Running LoadState**
  - Loadstate C:\Path To Store Data
  - Loadstate C:\USMT
  - Loadstate C:\USMT /Auto
  - Loadstate C:\USMT /Auto /hardlink /nocompress
3 Migration Stores

- **Uncompressed (UNC)**
  - Mirror image of the folder hierarchy being migrated
  - Settings are stored in a catalog file that also describes how to restore files on the destination computer

- **Compressed**
  - A single image file that contains all files being migrated and a catalog file
  - You can encrypt and protect this file with a password

- **Hard-Link**
  - A map that defines how a collection of bits on the hard disk are to be migrated. These files remain fully intact