

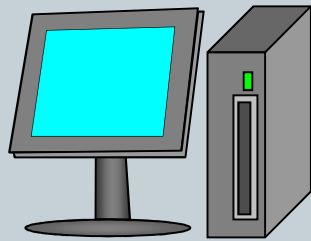
User State Migration Tool

USMT 4.0



The USMT Process

Upgrade Applications **1**

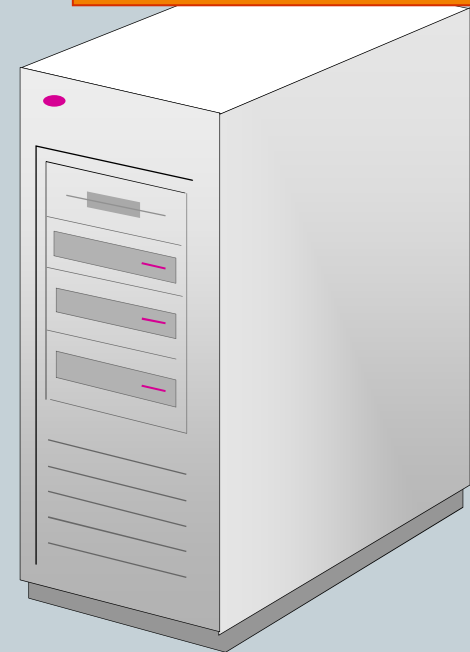


XP SP2

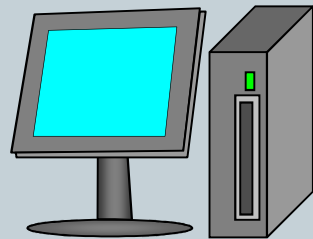
Run ScanState **2**
Store locally
or across the
network



Deployment Server



The USMT Process



XP SP2/SP3

Upgrade Applications

1

Run ScanState
Store locally or across the network

2

Install Windows 7

3

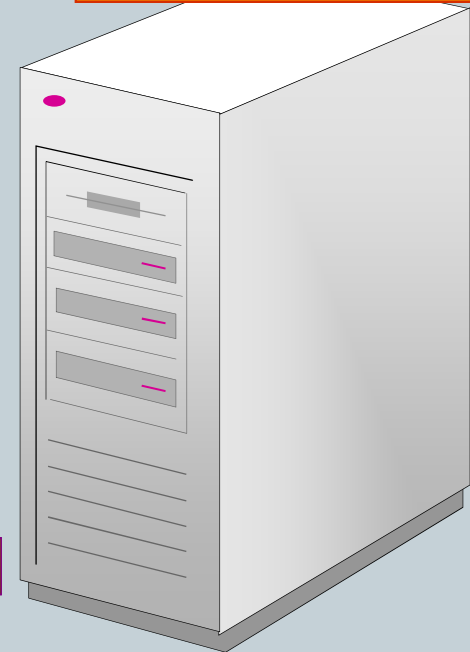
Install Applications

4

Run LoadState

5

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

OSs Supported



OS Supported	ScanState	LoadState
Windows XP Professional	X	
Windows XP Professional x64 Edition	X	
32-bit versions of Windows Vista	X	X
64-bit versions of Windows Vista	X	X
32-bit versions of Windows 7	X	X
64-bit versions of Windows 7	X	X

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



- 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
- .rqy
- .rtf
- .scd
- .sh3
- .slk
- .txt
- .vl*
- .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

MigUser.XML




- **MigUser.XML**
 - 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



Adobe Acrobat Reader	9	Money Plus Business	2008
AOL Instant Messenger	6.8	Money Plus Home	2008
Apple iTunes	7, 8	Mozilla Firefox	3
Apple QuickTime Player	7	Microsoft Office Access	2003, 2007
Apple Safari	3.1.2	Microsoft Office Excel	2003, 2007
Google Chrome	beta	Microsoft Office FrontPage	2003, 2007
Google Picasa	3	Microsoft Office OneNote	2003, 2007
Google Talk	beta	Microsoft Office Outlook	2003, 2007
IBM Lotus 1-2-3	9.8	Microsoft Office	2003, 2007
IBM Lotus Notes	8	PowerPoint	
IBM Lotus Organizer	9.8	Microsoft Office Publisher	2003, 2007
IBM Lotus WordPro	9.8	Microsoft Office Word	2003, 2007
Intuit Quicken	2009	Opera Software Opera	9.5
		Microsoft Outlook Express	(mailbox file)

Last of the Apps



Microsoft Project	2003, 2007
Microsoft Office Visio	2003, 2007
RealPlayer Basic	11
Sage Peachtree	2009
Skype	3.8
Windows Live Mail	12, 14
Windows Live Messenger	8.5, 14
Windows Live MovieMaker	14
Windows Live Photo Gallery	12, 14
Windows Live Writer	12, 14
Windows Mail	Vista only
Microsoft Works	9
Yahoo Messenger	9
Zune	3

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 in tact