



Description of EhlerTech XML files and (some) modifications that can be made..

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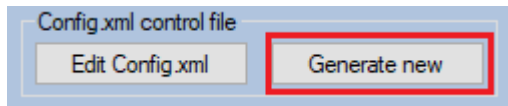
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Config.xml

Config.xml is a simplified way of excluding application settings, Windows components or document folders.

Config.xml can be generated with Scanstate (Or by the USMTGUI "Generate New Config.xml" feature).



To generate a Config.xml directly with Scanstate, install the Microsoft ADK and browse to USMT at:

C:\Program Files (x86)\Windows Kits\10\Assessment and Deployment Kit\User State Migration Tool\amd64

Create a folder (c:\temp) and from the folder above, run the command

scanstate /i:migapp.xml /i:migdocs.xml /genconfig:c:\temp\config.xml

You can edit the Config.xml (preferred editor Notepad++) and disable application settings, Windows components or document folders you do not want included in your migrations.

```
<component displayname="RecentItems" migrate="yes" ID="http://usmtgui.ehler.dk/win10/recentitems/settings"/>
<component displayname="TilesLayerAndStartmenuReg" migrate="yes" ID="http://usmtgui.ehler.dk/win10/tileslayerandstartmenureg/sett
<component displayname="LegacyStickyNotes" migrate="yes" ID="http://usmtgui.ehler.dk/win10/legacystickynotes/settings"/>
<component displayname="Mozilla Thunderbird" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/mozilla th
<component displayname="RecentDestinations" migrate="no" ID="http://usmtgui.ehler.dk/win10/recentdestinations/settings"/>
<component displayname="Mozilla Firefox" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/mozilla firefo
<component displayname="TilesLayerAndStartmenu" migrate="yes" ID="http://usmtgui.ehler.dk/win10/tileslayerandstartmenu/settings"/
<component displayname="Google Chrome" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/google chrome/se
<component displayname="EdgeFavorites" migrate="yes" ID="http://usmtgui.ehler.dk/win10/edgefavorites/settings"/>
<component displayname="USMTAfterburner" migrate="yes" ID="http://usmtgui.ehler.dk/win10/usmtafterburner/settings"/>
<component displayname="Microsoft Office 16" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/microsoft
  <component displayname="Microsoft Office Publisher 2016" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/mig
  <component displayname="Microsoft Office OneNote 16" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/
  <component displayname="Microsoft Office Excel 16" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/mi
  <component displayname="Microsoft Office Word 2016 (32-bit)" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext
  <component displayname="Office 16 Common Settings" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/mi
  <component displayname="Microsoft Office Access 16" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/m
  <component displayname="Microsoft Office PowerPoint 16" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miga
  <component displayname="Microsoft Office SmartTags" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/m
  <component displayname="Microsoft Place SmartTags" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/
  <component displayname="Microsoft Lists SmartTags" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migapp/
  <component displayname="Microsoft Outlook Email Recipients SmartTags" migrate="yes" ID="http://www.microsoft.com/migration/1.
  </component>
<component displayname="Microsoft Office Outlook 2016" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/migap
</component>
<component displayname="USMTAfterburnerLog" migrate="yes" ID="http://usmtgui.ehler.dk/win10/usmtafterburnerlog/settings"/>
<component displayname="Win10StickyNotes" migrate="yes" ID="http://usmtgui.ehler.dk/win10/win10stickynotes/settings"/>
</Applications>
<Documents>
  <component displayname="ExcludeSystemFolders" migrate="yes" ID="http://www.usmtgui.com/migration/1.0/migxmlext/excludesystemfolde
  <component displayname="My Pictures" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miguser/my pictures/data"
  <component displayname="My Documents" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miguser/my documents/dat
  <component displayname="My Music" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miguser/my music/data"/>
  <component displayname="My Video" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miguser/my video/data"/>
  <component displayname="Desktop" migrate="yes" ID="http://www.microsoft.com/migration/1.0/migxmlext/miguser/desktop/settings"/>
</Documents>
</config>
```

Include the config.xml in your scanstate command

/config:Config.xml



ExcludeDrives_D_to_Z.xml

Excludes files from all other drives than C: with an unconditional exclude

- The file is a simple xml list and easy to edit.



ExcludeOneDriveUserFolders.xml

If you are redirecting document folders to OneDrive or a local server, you can exclude these folders.

- Simple XML file, easily editable to control what document folders are migrated.
- You can get the same functionality through Config.xml

```
C:\temp\USMTGUI test2\ExcludeOneDriveUserFolders.xml - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
ExcludeOneDriveUserFolders.xml x
1 <?xml version="1.0" encoding="UTF-8"?>
2 <migration urlid="http://www.usmtgui.com/migration/1.0/migxmlex/ExcludeUserFolders">
3
4   <_locDefinition>
5     <_locDefault _loc="locNone"/>
6     <_locTag _loc="locData">displayName</_locTag>
7   </_locDefinition>
8
9   <component type="Documents" context="UserAndSystem" id="documents">
10     <displayName>ExcludeUserFolders</displayName>
11
12     <role role="data">
13       <rules>
14         <Exclude>
15           <objectSet />
16         </Exclude>
17
18         <unconditionalExclude>
19           <objectSet>
20             <pattern type="File">%CSIDL_MYDOCUMENTS%\* [*]</pattern>
21             <pattern type="File">%CSIDL_COMMON_DOCUMENTS%\* [*]</pattern>
22             <pattern type="File">%CSIDL_DESKTOP%\* [*]</pattern>
23             <pattern type="File">%CSIDL_DESKTOPDIRECTORY%\* [*]</pattern>
24             <pattern type="File">%CSIDL_COMMON_DESKTOPDIRECTORY%\* [*]</pattern>
25             <pattern type="File">%CSIDL_MYMUSIC%\* [*]</pattern>
26             <pattern type="File">%CSIDL_COMMON_MUSIC%\* [*]</pattern>
27             <pattern type="File">%CSIDL_MYPICTURES%\* [*]</pattern>
28             <pattern type="File">%CSIDL_COMMON_PICTURES%\* [*]</pattern>
29             <pattern type="File">%CSIDL_MYVIDEO%\* [*]</pattern>
30             <pattern type="File">%CSIDL_COMMON_VIDEO%\* [*]</pattern>
31             <!--
32             <pattern type="File">%CSIDL_SENDTO%\* [*]</pattern>
33             <pattern type="File">%CSIDL_RECENT%\* [*]</pattern>
34             <pattern type="File">%CSIDL_APPDATA%\* [*]</pattern>
35             <pattern type="File">%CSIDL_LOCAL_APPDATA%\* [*]</pattern> -->
36           <script>MigXmlHelper.GenerateDrivePatterns ("* [*].tmp", "Fixed")</script>
37           </objectSet>
38         </unconditionalExclude>
39       </rules>
40     </role>
41   </component>
42 </migration>
43
eXtensible Markup L length : 1.850 lines : 43 Ln : 1 Col : 1 Sel : 0 | 0 Windows (CR LF) UTF-8 INS
```



ExcludeSystemFolders.xml

Excludes C:Windows, Program Files, Programdata etc. as many irrelevant files hide there.

- Simple XML file, easily editable to control what system folders are excluded.

- **Note: Especially recommended along with MigDocs.**

```
C:\temp\USMTGUI test2\ExcludeSystemFolders.xml - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
ExcludeSystemFolders.xml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <migration urlid="http://www.usmtgui.com/migration/1.0/migxmltext/ExcludeSystemFolders">
3
4   <_locDefinition>
5     <_locDefault _loc="locNone"/>
6     <_locTag _loc="locData">displayName</_locTag>
7   </_locDefinition>
8
9   <component type="Documents" context="UserAndSystem" id="documents">
10     <displayName>ExcludeSystemFolders</displayName>
11
12     <role role="data">
13       <rules>
14         <Exclude>
15           <objectSet />
16         </Exclude>
17
18         <unconditionalExclude>
19           <objectSet>
20             <pattern type="File">C:\boot\* [*]</pattern>
21             <pattern type="File">C:\_SMSTaskSequence\* [*]</pattern>
22             <pattern type="File">C:\WINDOWS.old\* [*]</pattern>
23             <pattern type="File">C:\WINDOWS.old.*\* [*]</pattern>
24             <pattern type="File">C:\SWSetup\* [*]</pattern>
25             <pattern type="File">C:\MININT\* [*]</pattern>
26             <pattern type="File">C:\ [prot_ins.sys]</pattern>
27             <pattern type="File">C:\ProgramData\* [*]</pattern>
28             <pattern type="File">C:\Program Files\* [*]</pattern>
29             <pattern type="File">C:\Program Files (x86)\* [*]</pattern>
30             <pattern type="File">C:\Quarantine\* [*]</pattern>
31             <pattern type="File">C:\PerfLogs\* [*]</pattern>
32             <pattern type="File">C:\MSOCache\* [*]</pattern>
33             <pattern type="File">C:\Dell\* [*]</pattern>
34             <pattern type="File">C:\Intel\* [*]</pattern>
35             <pattern type="File">C:\Windows\* [*]</pattern>
36             <script>MigXmlHelper.GenerateDrivePatterns ("* [*].tmp", "Fixed")</script>
37           </objectSet>
38         </unconditionalExclude>
39       </rules>
40     </role>
41   </component>
42 </migration>
43
eXtensible Markup L length: 1.884 lines: 43 Ln: 1 Col: 1 Sel: 0|0 Windows (CR LF) UTF-8 INS
```



MigApp.xml

Migrates settings for a long list of Applications including Office, Firefox and Chrome.

- Advanced XML file capable of cross-referencing Office versions.
- Modified by EhlerTech to correctly migrate Chrome and Firefox favorites

Application settings migration scripting is “a tad” more complicated as you will need to know where the application is hiding its settings, in registry, in files, or both, and figure out the correct XML syntax.

In general, I'd recommend you build a separate xml file for your applications

Look into how it's done with other applications, Google is your friend, and use Notepad++ for editing to keep syntax correct.

Below is the Firefox section we added to MigApp.xml

```
6972
6973 <!-- Mozilla Firefox -->
6974 <component context="UserAndSystem" type="Application">
6975   <displayName_locID="migapp.firefox">Mozilla Firefox</displayName>
6976   <environment name="GlobalEnv"/>
6977   <environment name="GlobalEnvX64"/>
6978   <role role="Settings">
6979     <rules context="User">
6980       <destinationCleanup>
6981         <objectSet>
6982           <pattern type="File">%CSIDL_LOCAL_APPDATA%\Mozilla\Firefox\Profiles\*\Cache\* [*]</pattern>
6983         </objectSet>
6984       </destinationCleanup>
6985       <include>
6986         <objectSet>
6987           <pattern type="File">%CSIDL_APPDATA%\Mozilla\Firefox\* [*]</pattern>
6988           <pattern type="File">%CSIDL_LOCAL_APPDATA%\Mozilla\Firefox\Profiles\* [*]</pattern>
6989         </objectSet>
6990       </include>
6991       <exclude>
6992         <objectSet>
6993           <pattern type="File">%CSIDL_APPDATA%\Mozilla\Firefox\Crash Reports\* [*]</pattern>
6994           <!-- <pattern type="File">%CSIDL_APPDATA%\Mozilla\Firefox\Profiles\*\ [pluginreg.dat]</pattern> -->
6995           <pattern type="File">%CSIDL_APPDATA%\Mozilla\Firefox\Profiles\* [pluginreg.dat]</pattern>
6996           <pattern type="File">%CSIDL_LOCAL_APPDATA%\Mozilla\Firefox\Profiles\*\Cache\* [*]</pattern>
6997         </objectSet>
6998       </exclude>
6999       <merge script="MigXmlHelper.SourcePriority() ">
7000         <objectSet>
7001           <pattern type="File">%CSIDL_APPDATA%\Mozilla\Firefox\* [*]</pattern>
7002           <pattern type="File">%CSIDL_LOCAL_APPDATA%\Mozilla\Firefox\Profiles\* [*]</pattern>
7003         </objectSet>
7004       </merge>
7005     </rules>
7006   </role>
7007 </component>
7008
```

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

MigApp.xml

Extensible Markup Language file length : 655.572 lines : 9.517 Ln : 6.979 Col : 2 Sel : 0 | 0 Windows (CR LF) UTF-8-BOM INS

MigAppO2019.xml

As above MigApp.xml but Modified to correctly migrate Office 2019



MigDocs.xml

Migrates the user profile as does MigUser.xml. However, MigDocs.xml also scans all folders on all local drives, for ALL KNOWN file types as per [file types registered in the local system](#).

It consists of two sections, one scanning the whole system, one scanning the users

MigDocs generates bigger more complete backups, but also containing more irrelevant files.

- Consider using [ExcludeSystemFolders.xml](#) and potentially [ExcludeDrives_D_to_Z.xml](#) with MigDocs.xml

Although MigDocs looks simple it's deceiving as it uses some extended "USMT trickery"

Personally I have never found it necessary to modify MigDocs..

MigUser.xml

MigUser.xml migrates the user profile and scans all folders on all local drives, for a selected list of file types.

The list of file types is near the bottom of the MigUser.XML file along with a location modify option..

- By enabling the location modify, you can channel all document types found OUTSIDE c:\Users into a single folder, "C:\data", or whatever you prefer.

You can also select only a few filetypes to be relocated to that folder. Below example finds forgotten Endnote databases (consists of 5 filetypes) and place them in [C:\EndNoteData](#)

```
509         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.eml]", "Fixed")</script>
510         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.htm*]", "Fixed")</script>
511     </objectSet>
512 </include>
513 <!-- Uncomment the following if you want all the files collected from the above rules to move to <systemDrive>:\data -->
514
515     <locationModify script="MigXmlHelper.Move('%SYSTEMDRIVE%\EhlersData')">
516     <objectSet>
517         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.enl*]", "Fixed")</script>
518         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.frm*]", "Fixed")</script>
519         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.MYD*]", "Fixed")</script>
520         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.MYI*]", "Fixed")</script>
521         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.opt*]", "Fixed")</script>
522         <!-- <script>MigXmlHelper.GenerateDrivePatterns ("* [*.qdf]", "Fixed")</script>
523         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.qsd]", "Fixed")</script>
524         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.qel]", "Fixed")</script>
525         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.qph]", "Fixed")</script>
526         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.doc*]", "Fixed")</script>
527         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.dot*]", "Fixed")</script>
528         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.rtf]", "Fixed")</script>
529         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.mcw]", "Fixed")</script>
530         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.wps]", "Fixed")</script>
531         <script>MigXmlHelper.GenerateDrivePatterns ("* [*.scd]", "Fixed")</script>
```

The folder structure, the files were in, is retained.

MigUser_Including_Downloads.xml

As MigUser.xml above but including the users Downloads folder.



[Win10.xml](#)

Win10.xml is a custom EhlerTech XML file

It migrates special Windows 10 settings explicitly and also adds USMTAfterburner to the migrated users Desktop

[Win7and8toWin10StickyNotes.xml](#)

Another custom EhlerTech XML file that solely discovers and migrates StickyNotes, both old Win7, 8, 8.1 Win10 pre 1607 and new ModernApp version to alternate location. - for USMTAfterburner to restore.

Note: The ModernApp Sticky Notes app isn't installed till after the user has logged in the first time. Therefore you need to use USMTAfterburner to restore the database.