Terminal Manager File Transformer

version 1.0

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Setup

Installation

Unzip the the package into any folder (eg. **c:\filetransformer**).

Open the configuration-file (eg. **c:\filetransformer\TerminalManagerFileTransformer.exe.config**) in any Notepad (or any other text editor of choice).
Change the configuration settings according to the next section in this document.

Start application

Start an instance of Command Prompt
- Press **Win+R**
- Input: **cmd.exe**
- Press **OK**

Navigate to installation directory
- Input: cd **c:\filetransformer**
- Press **Enter**

Run the application
- Input: **TerminalManagerFileTransformer.exe**
- Press **Enter**

The application is starting and outputs the following rows on screen:

Stop application

- Input: **q**
- Press **Enter**

Configuration

All configuration is done in the the application configuration file located in the same directory as the application executable.

The section holding the configuration is [insert name here].

Incoming files

Configuration Key	Description	Default value
Input:Directory	The full path to the directory where the xml files are saved	*no default value*
Input:Filter	The filter for the file to watch for	*.xml
Input:ProcessFilesOnStartup	Enable processing of files created before the application is started	false

Input:Directory

The full path to the directory where Terminal Manager system is saving the xml-files that it produces. This folder must exist on the system.

Input:Filter

The input filter is used to watch for a certain type of files in the watch directory. By default the application only watches for files with the extension *xml*.

Examples

Output:Filter = ".xml"*
File **ABC_12345-v123.xml** will be processed.
File **DEF_67890-v123.xml** will be processed.
File **ABC_textfile.txt** will ***not*** be processed.

Output:Filter = "ABC_*.xml"
File **ABC_12345-v123.xml** will be processed.
File **DEF_67890-v123.xml** will ***not*** be processed.
File **ABC_textfile.txt** will ***not*** be processed.

Input:ProcessFilesOnStartup

If set to **true** the files (matching the filter) in the watch directory will be processed.

If set to **false** the files will stay untouched in the directory.

Outgoing files

Configuration Key	Description	Default value
Output:Directory	Full path or relative path to the directory where the transformed files are stored	output
Output:Processed	Full path or relative path to the directory where successfully processed files are stored	processed
Output:FaultyDirectory	Full path or relative path to the directory where unsuccessfully processed files are stored	failed
Output:FilenamePrefix	Prefix for the files created by the application	*no default value*

Output:Directory

The directory where the transformed files will be saved. This can be a full path or a relative path (relative to the watched directory).

Examples

Output:Directory = "output-directory"
The files will be stored in **c:\watch-dir\output-directory** (given that the watched directory is **c:\watch-directory**)

Output:Directory = "..\output-directory"
The files will be stored in **c:\output-directory** (given that the watched directory is **c:\watch-directory**)

Output:Directory = "c:\new-output-directory"
The files will be stored in **c:\new-output-directory**

Output:Processed

The directory to which the input file will be moved after being successfully processed.
This can be a full path or a relative path (relative to the watched directory).

Examples

Output:Processed = "processed-directory"
The files will be stored in **c:\watch-dir\processed-directory** (given that the watched directory is **c:\watch-directory**)

Output:Processed = "..\processed-directory"
The files will be stored in **c:\processed-directory** (given that the watched directory is **c:\watch-directory**)

Output:Processed = "c:\new-processed-directory"
The files will be stored in **c:\new-processed-directory**

Output:FaultyDirectory

The directory to which the input file will be moved in case there is an error during the transformation (ie. the transformed file could not be produced).
This can be a full path or a relative path (relative to the watched directory).

Examples

Output:Faulty = "faulty-directory"
The files will be stored in **c:\watch-dir\faulty-directory** (given that the watched directory is **c:\watch-directory**)

Output:Faulty = "..\faulty-directory"
The files will be stored in **c:\faulty-directory** (given that the watched directory is **c:\watch-directory**)

Output:Faulty = "c:\new-faulty-directory"
The files will be stored in **c:\new-faulty-directory**

Output:FilenamePrefix

The prefix used for the transformed file. This configuration have no default value.

The full name will be a combination of the prefix string, a timestamp (yyyyMMddHHmmss) and an extension (.csv)

Example

Output:FileNamePrefix = "prefix_"
The filename will be: **prefix_20210220115523.csv**

Output:FileNamePrefix = ""
The filename will be: **20210220115523.csv**

File transfer

Configuration Key	Description	Default value
Ftp:Enabled	Enable FTP functionality	false
Ftp:Address	IP or hostname to the FTP server	*no default value*
Ftp:Port	Port to be used	21
Ftp:RemoteDirectory	Remote directory on the FTP to use on FTP server	*no default value*
Ftp:Username	FTP username	*no default value*
Ftp:Password	FTP password	*no default value*

Output:Enabled

If set to true the file is transfered to the FTP-server specified in configuration.

If set to false no transfer of files will be performed.

Output:Address

Hostname or IP address for the FTP server.

Do not include the protocol (ie use "127.0.0.1" *not* "ftp://127.0.0.1")

Example

Output:Address = "127.0.0.1"

Output:Address = "ftp.server.net"

Output:Port

The port to the used for the FTP server.

If not set or left out the port 21 will be used.

Output:RemoteDirectory

The remote directory to the used for the FTP server.

Output:Username

The username to the used for the FTP communication.

Output:Password

The password to the used for the FTP communication.

Troubleshooting

Console

Status messages are written to the console window for every file processed.

Any errors occurring is also written to the Application Log (Event Viewer).

Event Viewer

All exceptions are written to the Application Log in Event Viewer.

Start an instance of Event Viewer
- Press **Win+R**
- Input: **eventvwr.exe**
- Press **OK**

In the tree-menu, navigate to
- **Windows Logs > Application**

Scroll in the list of events and look for:
- Source: **TerminalManagerFileTransformer**

All exceptions have the Error Level - under normal circumstances no errors should exist.

The most common source for error is that the application cannot read the XML-file.