

# EFT™ POWER TOOLS

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*USER GUIDE*

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## Introduction

EFT Power Tools is a command line executable (eftpowertools.exe) that uses EFT COM API (SFTPCOMINTERFACE) to perform typical tasks used by EFT administrators, these typical tasks are enumerated or called verbs.

## What's New

Changes to the EFT Power Tools are listed below.

- Version 1.3.1 Dec 1st, 2016
  - Fixed return codes
- Version 1.3.0 Nov 15th, 2016
  - Added Tail verb
  - Added export-csv-sql-query verb
  - Added export-csv-ssl-certs verb
- Version 1.2.0 May 31st, 2016
  - Added set folder permissions verb
- Version 1.1.0 April 26th, 2016
  - Added User storage verb
  - Added Export inactive user verb
- Version 1.0.0 April 16th, 2016
  - Initial version

## Requirements

### Minimum

- CPU: 2 Core
- Memory: 2GB
- Hard drive: 50MB
- Windows 2008 R2 Server or newer

### Recommended

- CPU: 2 Core
- Memory: 4GB
- Hard drive: 100MB
- Windows 2008 R2 Server or newer

### Software Prerequisites

- EFT SFTPCOMInterface API
- Microsoft .NET framework 4.0 (Full)
- EFT Server 6.3.x or newer



# Command-Line Usage

The topics below describe how to use the EFT Power Tools utility.

## Verbs

To use the EFT Power Tools, type the executable name followed by a verb followed by the parameters associated with the verb you want to execute.

### Syntax:

```
C:\> EFTPowerTools.exe <verb> [options]
```

Click the verbs in the table below for more information.

Verb	Description
<a href="#">delete-inactive-users</a>	Delete EFT users that have been inactive for n days
<a href="#">delete-users</a>	Deletes users defined in text file
<a href="#">disable-inactive-users</a>	Disable EFT users that have been inactive for n days
<a href="#">export-csv-inactive-users</a>	Finds EFT users that have been inactive for n days and export them into a csv file including their corresponding home folders
<a href="#">export-csv-user-storage-space</a>	Calculates user's home folder storage space used and export them into a csv file
<a href="#">export-csv-folder-monitor-paths</a>	Finds Physical paths from EFT Folder Monitors even rules and export them into a csv file
<a href="#">export-csv-sql-query</a>	Executes a SQL query and generates a CSV file from the results
<a href="#">export-csv-ssl-certs</a>	Export Sites SSL certificates
<a href="#">export-duplicated-sshkey-names</a>	Export duplicated SSH key names
<a href="#">set-require-strong-passwords</a>	Sets Require Strong Password settings for EFT users
<a href="#">set-folder-permissions</a>	Sets folder permissions for a specific eft folder and users or group
<a href="#">tail</a>	Display last n lines of a file

## Parameters Reference

The following parameters are used in the EFT Power Tools utility.

Refer to individual verb topics for proper verb syntax.

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost
--port	N	EFT administration port. Default is 1100
-a, -- AuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. The default is IWALogin. <ul style="list-style-type: none"> <li>When IWALogin is used, its current identity used to launch the program will be used to connect to EFT.</li> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated in EFT.</li> </ul>
-l, --adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-d, --days	Y	Specify number of days used to delete users that have not logged into EFT. Default is 90
-f, --filename	Y	Specify filename where username list is. Each row of this file should contain only one username. Default is <sitename>_usernames.csv
-e, --disable-autosave	N	Specify if Auto Save is used. Default is true, if you are connecting to a NON-HA EFT cluster node you can use this switch to true to speed up process. Default is false.
-b, --buffersize	N	If Auto Save is enabled (see above), it will apply changes after that number of changes. The default is 100, which means every 100 deleted it will call ApplyChanges(). If not specified, ApplyChanges is done per change.
-s, --datasource	Y	SQL server Datasource is, e.g. 'localhost'   '.\GLOBALSCAPE', '.\TestServer, 1433'. Default is <b>.\localhost</b>
-d, --databaseName	N	Database name
-q, --SQLQuery	Y	Specify the query file to run; the file that contains the query to be executed.
-- requireStrongPasswords	Y	Specify the "require strong password setting value" to be set for all users. Options: <ul style="list-style-type: none"> <li>SFTPAdbBool</li> <li>abInherited</li> <li>abFalse</li> <li>abTrue</li> </ul>
-c, --client	Y	EFT user or group to be set
-f, --folderpath	Y	Folder path to be set.



Parameter	Required	Description
--PermissionsMask	Y	Permissions mask to be set; use the following format: UDADRSCDLHO Type the letter to turn the permission on; type - (dash) to turn it off. e.g.: Full: UDADRSCDLHO Guest: -D---S--L-- All Users: -----S--L--
-n, --lines	N	Specify the number of lines to read file backwards
-w	N	Watch Tail of the file

## Delete Inactive Users

### Syntax

```
C:\> EFTPowerTools.exe delete-inactive-users -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -d[days]/p>
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. The default is IWALogin. <ul style="list-style-type: none"> <li>When IWALogin is used, its current identity used to launch the program will be used to connect to EFT.</li> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated in EFT.</li> </ul>
-l, --adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-d, --days	Y	Specify number of days used to delete users that have not logged into EFT. Default is 90

## Delete Users

### Syntax

```
C:\> EFTPowertools.exe delete-users -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -f[filename] -e -b[bufferSize]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin. <ul style="list-style-type: none"> <li>When IWALogin is used, its current identity is used to launch the program to connect to EFT.</li> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, --adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-f, --file	Y	Specify filename where username list is. Each row of this file should contain only one username. Default is <sitename>_usernames.csv
-e, --disable- autosave	N	Specify if Auto Save is used. Default is false. If you are connecting to a NON-HA EFT cluster node you can use this switch to true to speed up process.
-b, --buffer	N	If Auto Save is specified, it will apply changes after that number of changes. The default is 100, which means every 100 deleted it will call ApplyChanges(). If not specified, ApplyChanges is done per change.

## Disable Inactive Users

### Syntax

```
C:\> EFTPowertools.exe disable-inactive-users -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -d[days]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--portnumber	N	EFT administration port. Default is 1100.
-a, -- AuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin <ul style="list-style-type: none"> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>When IWALogin is used it current identity used to launch the program will be used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.

-d, --days	Y	Specify number of days that user has not logged in to EFT. Default is 90.
------------	---	---

## Export CSV Inactive Users Verb

### Syntax

```
C:\> EFTPowertools.exe export-csv-inactive-users -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -d[days] -f[filename]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin <ul style="list-style-type: none"> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>When IWALogin is used it current identity used launch the program will be used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-d, --days	Y	Specify number of days users have not logged in to EFT. Default is 90.
-f, --filename	N	Specify filename for the CSV file that will be generated. Default is <siteName>_InactiveUsers.csv

## Export CSV User Storage Space Verb

### Syntax

```
C:\> EFTPowertools.exe export-csv-user-storage-space -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -f[filename]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin <ul style="list-style-type: none"> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>When IWALogin is used it current identity used to launch the program will be used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be process.
-f, --filename	N	Specify filename for the CSV file that will be generated. Default is <siteName>_UserStorageUsed.csv.

## Export CSV Folder Monitor Paths Verb

### Syntax

```
C:\> EFTPowerTools.exe export-csv-folder-monitor-paths -h[hostname] --port
[portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -
f[filename]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin <ul style="list-style-type: none"> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>When IWALogin is used it current identity used launch the program will be used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be process.
-f, --filename	N	Specify filename for the CSV file that will be generated. Default is <siteName>_FolderMonitorPaths.csv

## Export CSV SQL Query

### Syntax

```
C:\> EFTPowerTools.exe export-csv-sql-query -s[datasource] -d[databaseName] -
a[AuthType] -l[Login] -p[password] -q[SQLQuery] -f[OutputFilename]
```

Parameter	Required	Description
-s, -datasource	Y	SQL server datasource. e.g.: 'localhost'   '.\GLOBALSCAPE', '\TestServer, 1433'. Default is <b>.\localhost</b>
-d, --databaseName	N	Database name
-a, --AuthType	Y	SQL Server authentication type, possible values: SQLLogin(0), IWALogin(1). <ul style="list-style-type: none"> <li>When SQLAuthType is not IWALogin, username and password parameters are used to connect to SQL Server.</li> <li>When IWALogin is used it current identity used launch the program will be used to connect to EFT.</li> <li>Default is IWALogin</li> </ul>
-l, login	N	EFT administrator username. Default is ""
-p, --password	N	EFT administrator password. Default is ""
-q, --SQLQuery	Y	Specify the query file to run; the file that contains the query to be executed.
-f, --Outputfilename	Y	Specify filename where CSV file will be generated. Default is sqloutput.csv

## Export Sites SSL certificates

### Syntax

```
C:\> EFTPowerTools.exe export-csv-ssl-certs -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -d[days] -f [filename]
```

Parameter	Required	Description
-h, --hostname	Y	EFT admin hostname. Default is localhost.
--port	N	EFT admin port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogin. Default is IWALogin. <ul style="list-style-type: none"> <li>When IWALogin is used, its current identity is used to launch the program to connect to EFT.</li> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-d, --days	N	Specify the number days from today that certificates will expire. Default is 0, which means it will export all certificates that expire today, e.g. 30 will export all certificates that expired 30 days from today, days lower than 0 will export all certificates regardless their expiration date
-f, --filename	Y	Specify filename where CSV file will be generated. Default is <sitename>_SitesSSLCertificates.csv

## Export Duplicated SSH Key Names Verb

### Syntax

```
C:\> EFTPowerTools.exe export-duplicated-sshkey-names -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -f[filename]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogin. Default is IWALogin When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT. When IWALogin is used it current identity used launch the program will be used to connect to EFT. IWALogin requires that the High Security module is activated on EFT.
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-f, --filename	N	Specify filename of the CSV file that will be generated. Default is DuplicateSshKeyNames.csv.

## Set Require Strong Passwords

### Syntax

```
C:\> EFTPowertools.exe set-require-strong-passwords -h[hostname] --port
[portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] --
requireStrongPasswords [abTrue|abFalse|abInherited]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, -- adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin <ul style="list-style-type: none"> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>When IWALogin is used it current identity used to launch the program will be used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be process.
-- requireStrongPasswords	Y	Specify the "require strong password setting value" to be set for all users. Options: <ul style="list-style-type: none"> <li>SFTPAdvBool</li> <li>abInherited</li> <li>abFalse</li> <li>abTrue</li> </ul>

## Set Folder Permissions

### Syntax

```
C:\> EFTPowertools.exe set-folder-permissions -h[hostname] --port [portnumber] -a[AuthType] -l[adminLogin] -p[adminPassword] -s[siteName] -c[client] --folderPath [folderpath] --PermissionsMask [PermissionsMask]
```

Parameter	Required	Description
-h, --hostname	Y	EFT hostname. Default is localhost.
--port	N	EFT administration port. Default is 1100.
-a, --adminAuthType	N	EFT administrator authentication type. Possible values: EFTLogin, IWALogin or NetLogon. Default is IWALogin. <ul style="list-style-type: none"> <li>When IWALogin is used, its current identity is used to launch the program to connect to EFT.</li> <li>When adminAuthType is not IWALogin, username and password parameters are used to connect to EFT.</li> <li>IWALogin requires that the High Security module is activated on EFT.</li> </ul>
-l, --adminLogin	N	EFT administrator username. Default is ""
-p, --adminPassword	N	EFT administrator password. Default is ""
-s, --siteName	Y	EFT site name to be processed.
-c, --client	Y	EFT user or group to be set
-f, --folderpath	Y	Folder path to be set.
--PermissionsMask	Y	Permissions mask to be set; use the following format: UDADRSCDLHO, which represents: <ul style="list-style-type: none"> <li><b>U</b>pload</li> <li><b>D</b>ownload</li> <li><b>A</b>ppend</li> <li><b>D</b>elete</li> <li><b>R</b>ename</li> <li><b>S</b>how this folder in parent list</li> <li><b>C</b>reate Folder</li> <li><b>D</b>elete folder</li> <li>Show files and folders in <b>L</b>ist</li> <li>Show <b>H</b>idden</li> <li>Show read <b>O</b>nly</li> </ul> Type the letter to enable the permission; type - (dash) to disable the permission. e.g.: Full: UDADRSCDLHO Guest: -D---S--L-- All Users: -----S--L--



## Display Last N Lines of a File

### Syntax

```
C:\> EFTPowerTools.exe tail -n[lines] -f [filename] -w
```

Parameter	Required	Description
-n, --lines	N	Specifies the number of lines to read file backwards.
-f, --filename	N	Specifies filename to read.
-w	N	Watch tail of the file.

## Logging

EFT Power Tools uses logging.config file to configure logging data each time EFT Power Tools is executed. There are two logger appenders in this configuration:

- **default-file-appender:** This appender is used as the default purpose logging mechanism it can capture all levels of logging when used.
- **console-appender:** This appender uses the console screen to output info and errors.

### Default file appender

```
<appender name="default-file-appender" type="log4net.Appender.RollingFileAppender">
  <lockingModel type="log4net.Appender.FileAppender+MinimalLock" />
  <file value="logs\EFTPowerTools.log" />
  <appendToFile value="true" />
  <rollingStyle value="Size" />
  <maxSizeRollBackups value="9" />
  <maximumFileSize value="20MB" />
  <layout type="log4net.Layout.PatternLayout">
    <conversionPattern value="%date{G} %-5p %m%n" />
  </layout>+
</appender>
```

### Console appender

```
<appender name="console-appender" type="log4net.Appender.ConsoleAppender">
  <layout type="log4net.Layout.PatternLayout">
    <conversionPattern value="%date{G} %-5p %m%n" />
  </layout>
  <filter type="log4net.Filter.LevelRangeFilter">
    <param name="LevelMin" value="INFO" />
    <param name="LevelMax" value="ERROR" />
  </filter>
</appender>
```

For more information on how to configure log4net visit:  
<http://logging.apache.org/log4net/release/manual/configuration.html>.