

Command Line (frx.exe)

The command-line utility (`frx.exe`) lets you manage rule sets and many other features of FSLogix Apps. Listed below are all the commands the command-line utility accepts. The utility is installed to `c:\program files\fslogix\apps`.

Command	Description
<code>add-redirect</code>	<p>Add a new path redirection for the virtualization (VT) driver</p> <p>-src=<name> (required)</p> <p><name> Specifies the source path to redirect</p> <p>-dest=<name> (required)</p> <p><name> Specifies the path to act as redirection target</p> <pre>frx add-redirect -src C:\mysource -dest d:\mytest</pre> <pre>frx add-redirect -src C:\\mysource -dest \\?\VolumeXXXXX\Test</pre>
<code>add-rule</code> <code>-hide</code>	<h3>Hiding Rule</h3> <p>To add a hiding rule, specify the following options with <code>add-rule</code>:</p> <ul style="list-style-type: none">• -hide (required)• -src-parent=<directory> (required) <p>If this rule is for a directory or registry key, the directory or key path is entered here. If this is for a file or registry value, the parent directory or parent registry key path is entered here.</p> <p>-src=<name> (optional)</p> <p><name> represents the name of the file or registry value. This parameter is not used when the rule is targeted for a directory or registry key.</p> <p>-volatile (optional)</p> <p>This option tells the system not to persist this Rule. The Rule will disappear when the driver is stopped (either manually or if the system is restarted).</p> <pre>frx add-rule -hide -src-parent="C:\users\admin\desktop" -src="chrome.lnk" -volatile</pre>

add-rule
-redirect

Redirect Rule

To add a redirect rule, specify the following options with add-rule:

- **-redirect** (required)
- **-src-parent=<directory or key name>** (required)

If this rule is for a directory or registry key, the source directory or source key path is entered here. If this is for a file or registry value, the source parent directory or source parent registry key path is entered here.

-src=<name> (optional)

<name> represents the name of the source file or source registry value. This parameter is not used when the source object of a rule is a directory or registry key.

-dest-parent=<directory or key name> (required)

If this rule is for a directory or registry key, the destination directory or destination key path is entered here. If this is for a file or registry value, the destination parent directory or destination parent registry key path is entered here.

-dest=<name> (optional)

<name> represents the name of the destination file or destination registry value. This parameter is not used when the destination object of a rule is a directory or registry key.

-no-copy (optional)

By default, when a redirect is about to happen, the FSLogix Apps Agent checks to see if the destination file, directory, registry key, or registry value exists. If it does exist, the request is simply redirected. If the object does not exist, the object will be created (and in the case of a file or registry value, the contents of the source object copied to the destination object) and then the redirection will happen. This flag tells the system not to do this check and to simply redirect.

-volatile (optional)

This option tells the system not to persist this Rule. The Rule will disappear when the driver is stopped (either manually or if the system is restarted).

```
frx add-rule -redirect -src-parent="C:\windows" -src="bad.ini" -dest-parent="
__USER_PROFILE_PATH__\badprogram" -dest="bad.ini"
```

add-secure-
key

Places information in the Windows Credential Manger (Credential Vault) under the SYSTEM user with fslogix/ prefix to be used with Azure Cloud Cache Connection String

-key = name of key to be used in Azure Connection String

NOTE: fslogix/ is automatically prefixed to the key when the key is generated with frx.exe add-secure key

-value = this is the value that is intended to be secured, it is anticipated that this will be utilized with the Azure Account Key.

The secure key may be accessed in CCDLocations when using the azure Type by placing the key name with pipes.

Example:

```
type=smb,connectionString=\\FILESERVER\SharedFolder;type=azure,connectionString="DefaultEndpointsProtocol=https;
AccountName=myAccountName;AccountKey=[fslogix/myAccountKey];EndpointSuffix=mySuffix"
```

For more information please see [Cloud Cache Configuration for Azure Page Blobs](#)

<p>begin-edit-profile</p>	<p>Attaches the specified VHD or VHDX and attaches the registry hive so the contents of the profile can be viewed and edited.</p> <p>Prints out a cookie that should be handed back with a <code>end-edit-profile</code> command line to clean up.</p> <p><code>-filename</code> (required) Specifies the path to the VHD(X) file <code>\n</code>);</p> <pre>frx begin-edit-profile -filename C:\\Profile.vhd</pre>
<p>copyto-vhd</p>	<p>Copies a folder along with all sub folders and files to a VHD container.</p> <p><code>-filename=<VHD filename></code> (required) Full file path and name of the VHD file to be created</p> <p><code>-src=<source folder></code> (required) Full path to source folder</p> <p><code>-size-mbs=<number></code> (optional) Size of the VHD in number of MBs</p> <p><code>-vhd-sector-size=<sector size></code> (optional) VHDX only. Specifies the sector size to use.</p> <p><code>-dynamic=<0 1></code> (optional) Set to "1" for a dynamic sizing VHD, or "0" for a full allocation VHD</p> <p><code>-src-parent=<Parent VHD filename></code> (optional) Path to a parent VHD. If specified, the new VHD will be created as a differencing disk.</p> <p><code>-label=<label text></code> (optional) Label to assign to the new volume.</p>

<p>copy-profile</p>	<p>Copies the specified local user profile to a VHD or VHDX container. If the VHD file does not exist, it will be created, formatted, as appropriate.</p> <p>-filename=<VHD filename> (required) Full file path and name of the VHD file to be created</p> <p>-username=<user name> (required unless sid is specified) 'username' or 'domain\username'</p> <p>-sid=<sid string> (required unless username is specified) Can be used instead of username to identify the profile</p> <p>-size-mbs=<number> (optional) Size of the VHD in number of MBs</p> <p>-vhdx-sector-size=<sector size> (optional) VHDX only. Specifies the sector size to use.</p> <p>-dynamic=<0 1> (optional) Set to "1" for a dynamic sizing VHD, or "0" for a full allocation VHD</p> <p>-src-parent=<Parent VHD filename> (optional) Path to a parent VHD. If specified, the new VHD will be created as a differencing disk.</p> <p>-profile-path=<profile path> (optional) Path to the folder that contains the profile. If this is not specified, the profile location will be read from the registry.</p> <p>-verbose (optional) Enables verbose output</p>
<p>create-junction</p>	<p>Creates a junction point to a target volume or directory.</p> <p>-src (required) Specifies the drive or directory where the junction point will be added.</p> <p>-dest (required) Specifies the target directory or volume.</p> <p>-name Indicates the optional display name.</p> <pre>frx create-junction -src E:\ -dest \\Volume{2dd97d8a-3bab-11e1-b9ff-080027e238aa}</pre> <pre>frx create-junction -src C:\TestDir -dest C:\Data</pre>

<pre>create- ruleset</pre>	<p>Creates a Rule Set by scanning the specified install directory</p> <p>-filename (required) Specifies the name of the file to be created.</p> <p>-install-dir (required) Specifies the installation path of the application to be scanned.</p> <p>-ARP-keyname (required) Specifies the Add/Remove Program registry location</p> <pre>frx create-ruleset -name Chrome -install-dir "C:\Program Files\Google\Chrome\Application" -ARP- keyname "HKLM\Software\Wow6432Node\Microsoft\Windows\CurrentVersion\Uninstall\Google Chrome"</pre>
<pre>create- vhd</pre>	<p>Creates a new VHD(X) disk</p> <p>-filename=<VHD filename> (required) Full file path and name of the VHD file to be created</p> <p>-size-mbs=<number> (optional) Size of the VHD in number of MBs</p> <p>-vhd-sector-size=<sector size> (optional) VHDX only. Specifies the sector size to use.</p> <p>-dynamic=<0 1> (optional) Set to "1" for a dynamic sizing VHD, or "0" for a full allocation VHD</p> <p>-src-parent=<Parent VHD filename> (optional) Path to a parent VHD. If specified, the new VHD will be created as a differencing disk.</p> <p>-label=<label text> (optional) Label to assign to the new volume.</p>
<pre>del- redirect</pre>	<p>Delete an active VT driver redirection</p> <p>-src=<name> (required) <name> Identifies the redirect source path of the redirection to be removed</p> <pre>frx del-redirect -src C:\\MyData\\Docs</pre>

del-rule	<p>Deletes a rule. To delete a rule you must identify the rule to remove by specifying the src-parent and src (if any).</p> <p>-src-parent=<directory or key name> (required)</p> <p>If this rule is for a directory or registry key, the directory or key path is entered here. If this is for a file or registry value, the parent directory or parent registry key path is entered here.</p> <p>-src=<name> (optional)</p> <p><name> represents the name of the file or registry value. This parameter is not used when the object of a rule is a directory or registry key.</p> <pre>frx del-rule -src-parent="C:\users\admin\desktop" -src="chrome.lnk"</pre> <pre>frx del-rule -src-parent="C:\windows" -src="bad.ini"</pre>
del-secure-key	<p>Deletes a secure key set with add-secure-key</p> <p>-key = key name to be deleted</p> <p>NOTE: the key name that is passed here does NOT include the fslogix/ prefix</p>
edit-profile	<p>Attaches the specified VHD or VHDX and opens Explorer and Regedit windows for the container contents. Press any key and the windows will be closed and the VHD detached from the system.</p> <p>-filename=<VHD filename> (required)</p> <p>Full file path and name of the VHD file to be attached</p>
enable-shnot	<p>Enables shell refresh notification.</p>
end-edit-profile	<p>Detaches the specified VHD or VHDX and the registry hive.</p> <p>-cookie (required)</p> <p>Specifies the cookie printed out from the begin-edit-profile call</p> <p>-filename (required)</p> <p>Specifies the path to the VHD(X) file</p> <pre>frx end-edit-profile -cookie 4876 -filename C:\\Profile.vhd</pre>
export-profilecfg	<p>Exports profile configuration settings and inclusion/exclusion group memberships to a file. The settings can be imported later with the <i>import-profilecfg</i> command or with the Profile Configuration Tool</p> <p>-filename (required)</p> <p>Specifies the file/location for the configuration data to be stored.</p> <pre>frx export-profilecfg -filename C:\profiles.frxconfig</pre>

help	<p>Displays the main help screen:</p> <pre>frx help</pre> <p>Display help for a specific command.</p> <pre>frx help <command></pre> <pre>frx help add-rule</pre>
import-profilecfg	<p>Import profile configuration settings from a file.</p> <p>-filename (required) The full path to the profile configuration file.</p> <pre>frx import-profilecfg -filename C:\data.frxconfig</pre>
list-redirects	<p>Lists the currently active VT driver redirections.</p>
list-rules	<p>Lists the currently active rules.</p>
list-secure-key	<p>Lists all secure keys with the fslogix/ prefix</p>
moveto-vhd	<p>Moves a folder along with all sub folders and files to a VHD container.</p> <p>-filename=<VHD filename> (required) Full file path and name of the VHD file to be created</p> <p>-src=<source folder> (required) Full path to source folder</p> <p>-size-mbs=<number> (optional) Size of the VHD in number of MBs</p> <p>-vhd-sector-size=<sector size> (optional) VHDX only. Specifies the sector size to use.</p> <p>-dynamic=<0/1> (optional) Set to "1" for a dynamic sizing VHD, or "0" for a full allocation VHD</p> <p>-src-parent=<Parent VHD filename> (optional) Path to a parent VHD. If specified, the new VHD will be created as a differencing disk.</p> <p>-label=<label text> (optional) Label to assign to the new volume.</p> <pre>frx moveto-vhd -filename C:\mydisk.vhd -src C:\data</pre>

migrate-vhd	<p>Migrates the contents of an existing VHD(X) to a new Virtual Disk.</p> <p>-src (required) Specifies the path to the source VHD(X) disk.</p> <p>-dest (required) Specifies the new VHD(X) filename.</p> <p>-size-mbs=<number> (optional) Size of the VHD in number of MBs</p> <p>-vhd-sector-size=<sector size> (optional) VHDX only. Specifies the sector size to use.</p> <p>-dynamic=<0/1> (optional) Set to "1" for a dynamic sizing VHD, or "0" for a full allocation VHD</p> <pre>frx migrate-vhd -src C:\old.vhdx -dest C:\new.vhdx -dynamic 1</pre>
regfont	<p>Registers a font in the system font table.</p> <p>-filename (required) Specifies the path to the font file.</p> <pre>frx regfont -filename C:\myfont.ttf</pre>
reload-rules	<p>Instructs the driver (frxdrv.sys) to reload (unload and load) all rules.</p>
report-assignment	<p>Reports on the applicability and non-applicability of a Rule Set by analyzing the assignment file and Active Directory.</p> <p>-filename (required) Specifies the path to the Assignment File.</p> <p>-username (optional) Reports the applicability of the Assignment File for the user specified in FQDN syntax.</p> <p>-verbose (optional) Enables verbose output.</p> <p>-csv (optional) Specifies that output should be in CSV format.</p> <pre>frx report-assignment -filename=C:\test.fxa -username="CN=User,DC=domain"</pre>

<p>reset-user-search-db</p>	<p>Queue's a windows search re-index for the specified user. To be used with the FSLogix Multi-user Search Roaming feature.</p> <p>-username (required) A user's DOMAIN\USERNAME</p> <p>-sid A user's SID can be used instead of a username .</p> <pre>frx reset-user-search-db -username domain\user</pre>
<p>set-key</p>	<p>Validates and stores the specified product key. This command is the method to replace, install or upgrade a license without having to reinstall the product.</p> <div style="border: 1px solid orange; padding: 5px; margin: 10px 0;">  Run this command from an admin level command prompt or you will likely receive an error 5 message and the key will not be updated. </div> <p>-key=<key> (required)</p> <pre>frx set-key -key=FSLX-000001-826453-4968</pre>
<p>set-profile-redirect</p>	<p>Sets the profiles folder redirections configuration.</p> <p>-filename (required) Specifies the path to the VHD(X) file</p> <p>-redirections (optional) Specify the redirections file to copy to the profile</p> <p>-no-redirections (optional) Remove any existing redirections from the profile</p> <pre>frx set-profile-redirect -filename C:\Profile.vhd -redirections C:\redir.xml</pre>
<p>show-junction-info</p>	<p>Shows information about a junction point</p> <p>-src (required) Specifies the path to the junction point.</p> <pre>frx show-junction-info -src C:\TestDir</pre>
<p>unregfont</p>	<p>Removes a font from the system font table.</p> <p>-filename (required) Specifies the path to the font file.</p> <pre>frx unregfont -filename C:\WINDOWS\SYSTEM32\myfont.ttf</pre>

validate-key	<p>Determines if the specified product key is a valid key or not. If no key is specified, information will be displayed about the currently installed key. If no key is specified and no key is installed, information about the amount of time remaining in the trial period will be displayed.</p> <p>-key=<key> (optional)</p>
version	<p>Displays the versions for the command-line, the service, and the driver.</p> <p>Version information is queried dynamically from the service and the driver so that information for currently running components is shown. It is possible, although unlikely, that the running components could be a different version than what is installed. If the service or the driver is not loaded, no version information will be displayed for that component.</p>