

Accelerate Module

User Guide

For EFT™ v7.4.X

GLOBALSCAPE

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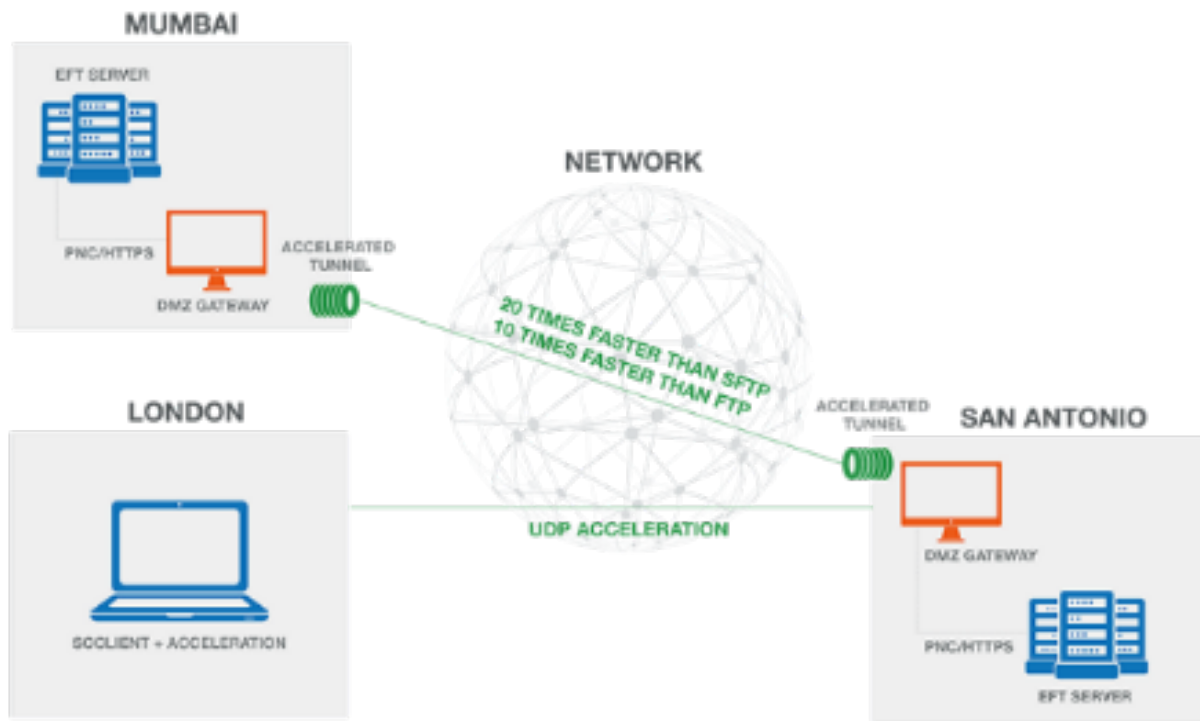
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Introduction to the Accelerate Module

Available in EFT Enterprise, the Accelerate module uses a reliable implementation of UDP to accelerate file transfers using EFT Event Rule Actions (Copy/Move and Download).


File transfers over TCP/IP are limited by maximum segment size, round trip time, and packet loss. Over large geographical distances, round trip time (RTT) and potential for packet loss suffer and cause the amount of data transferred to decrease. Companies who need to react quickly to stimuli from geographically remote locations require a file transfer solution that is faster than TCP/IP can provide more tailored to the specific challenges of wide area networks.



The Accelerate module for EFT:

- Uses a reliable implementation of UDP powered by patented technology from Data Expedition, Incorporated.
- Improves the time to destination, thereby reducing response times, helping you meet service-level agreements (SLAs) for transferred files. Delays in the delivery of important files can make business come to a halt. Plans are delayed, meetings are rescheduled, and business partners lose faith in your ability to deliver. Delayed file transfers can affect your bottom line in the form of penalties or fines for unfulfilled agreements or canceled contracts due to slow response times. Companies who need to react quickly to information from geographically separated locations require a file transfer solution more tailored to the specific challenges of wide areas.
- Constantly adapts to changing conditions of latency, congestion, packet loss, throttling, and any other variations it sees in the network so it can take up as much bandwidth as it can without impairing the performance of other connections that are sharing the same pipe.

- Decreases the time it takes to upload and download files between EFT servers that have long distances between them.
- Can use any authentication mode in EFT.
- Is not available with the AS2 module.
- Supports only the HTTPS protocol.
- Supported only on Windows-based systems.
- Only one EFT Site at a time may do accelerated transfers.
- Requires the latest Windows DMZ Gateway® release 3.4.0 or later. While configured and controlled via EFT, the actual acceleration occurs via DMZ to DMZ.

 ***The Accelerate module/FAST protocol is not supported on Linux versions of DMZ Gateway.***

- Can be used in the Copy/Move Action and Download Action of Event Rules, and by end users after downloading [scClient](#).
- Provides a secure, fast, uncomplicated method of uploading large files to the home office, with a simple point-and-click, preconfigured scClient.
- Decreases the time it takes to upload and download files to/from EFT in remote locations when using scClient.

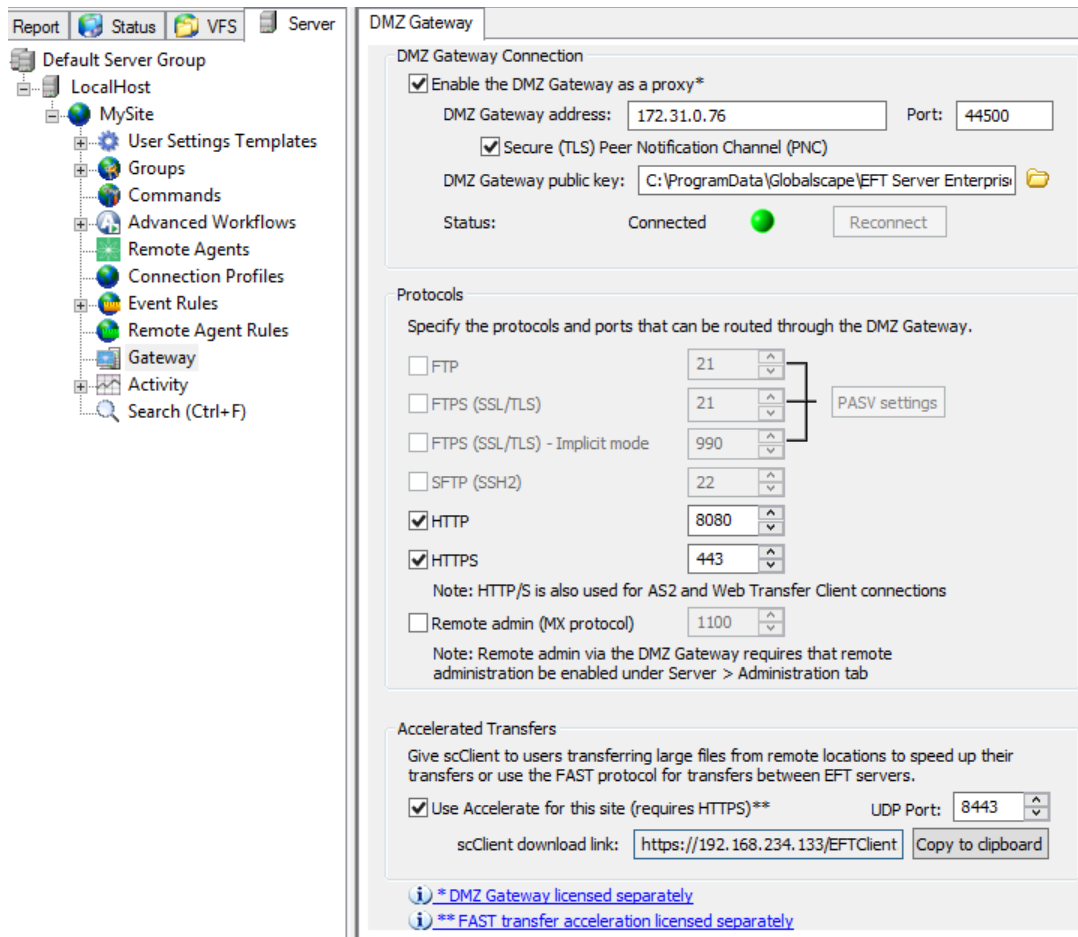
Enabling Acceleration

(Available in EFT Enterprise) Before you can use the Accelerate module in Event Rules, you must [activate the Accelerate module](#) (if no longer in trial mode), and enable accelerated file transfers on the **DMZ Gateway** tab in EFT, as described below.

Before enabling acceleration and allowing users to download scClient, you must copy the DMZ Gateway IP address to the Site's **Connections** tab, in the **Domain** box.

To enable acceleration

1. In EFT, connect to EFT and click the **Server** tab.
2. Click the node of the Site you want to connect with the DMZ Gateway, and then click the **Gateway** node.
3. In the right pane, the **DMZ Gateway** tab appears.

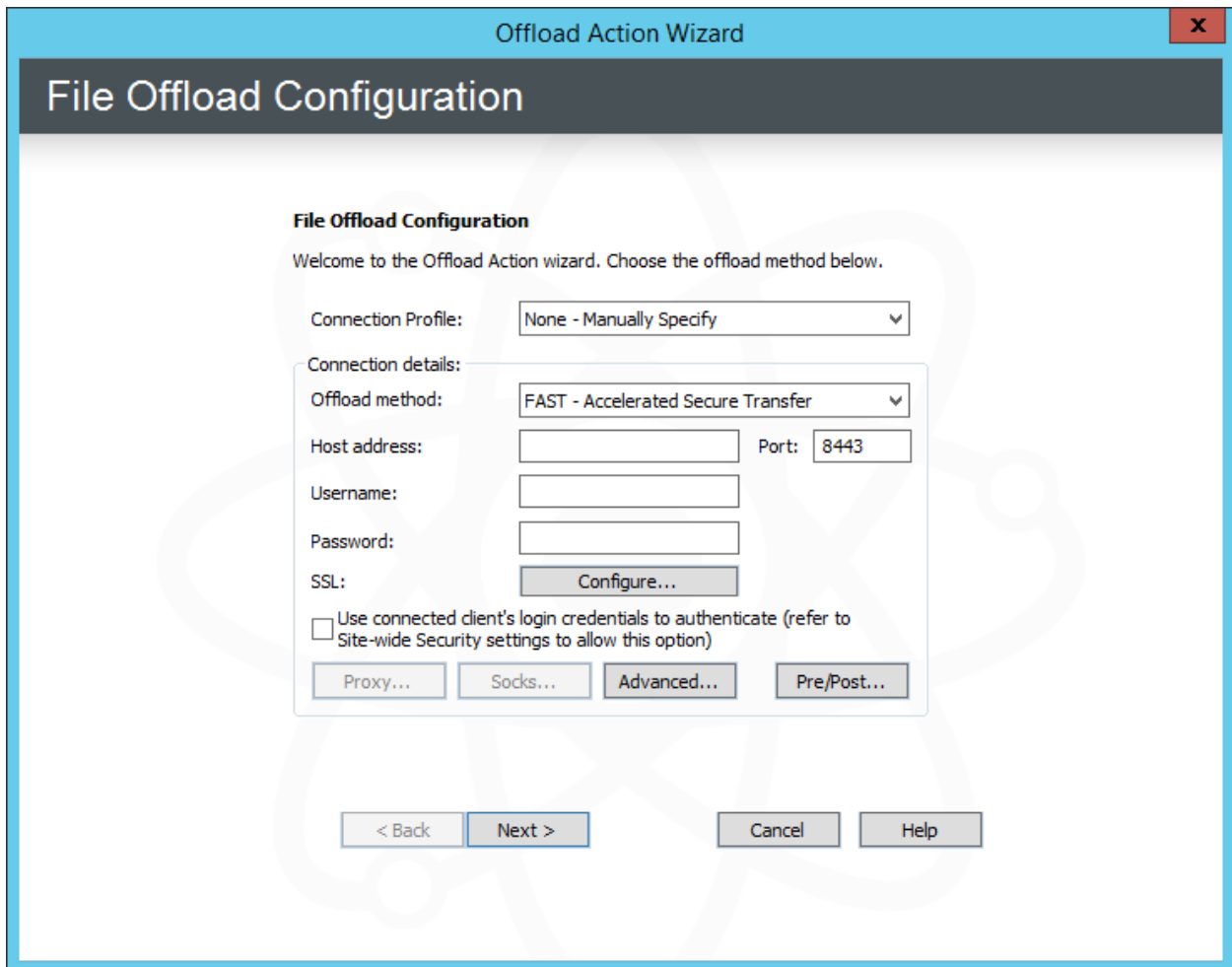


4. Select the **Use Accelerate for this site** check box. (The **Enable the DMZ Gateway as a proxy** check box and the **HTTPS** check box must be selected to enable Acceleration.)
5. Specify the UDP port to use, if different from the default of 8443.
6. Click **Apply** to save the settings.
7. Download the scClient. To download scClient, copy the **scClient download link** to the clipboard, then paste it in your browser and/or send to users who are authorized to use scClient.

When the scClient is downloaded, the IP address is coded into the installer. You can only upload and download files to/from this EFT Site at that IP address. You cannot specify a different IP address. If this address is not the DMZ Gateway address, users can still download the client, but transfers will not be accelerated.

Acceleration in Event Rules

When Acceleration is enabled on the **DMZ Gateway** tab of the Site, **FAST – Accelerated Secure Transfer** is available as a protocol in the Copy/Move Action (Offload) and the Download Action in Event Rules.



The screenshot shows a window titled "Offload Action Wizard" with a sub-header "File Offload Configuration". The main content area contains the following elements:

- File Offload Configuration**
- Welcome to the Offload Action wizard. Choose the offload method below.
- Connection Profile:
- Connection details:
 - Offload method:
 - Host address: Port:
 - Username:
 - Password:
 - SSL:
- Use connected client's login credentials to authenticate (refer to Site-wide Security settings to allow this option)
-

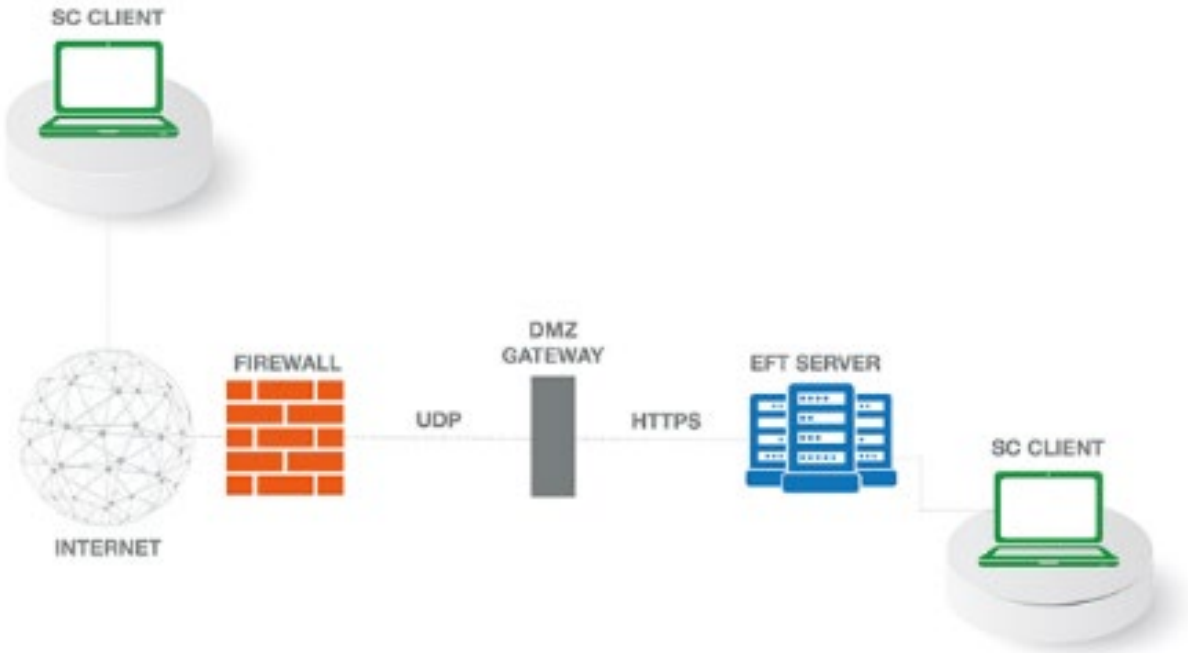
At the bottom of the dialog are navigation buttons: "< Back", "Next >", "Cancel", and "Help".

Refer to the Event Rules documentation for details of defining rules.

Using scClient

When the [Accelerate module for EFT is enabled](#), the EFT administrator can copy an scClient installer link from the administration interface and paste it into any [supported browser](#) or email it to end users to install on their desktops and laptops. scClient licenses are concurrent. That is, if you purchase 5 licenses, 5 people can log in at a time. If a sixth person logs in, a message appears stating that no licenses are available.

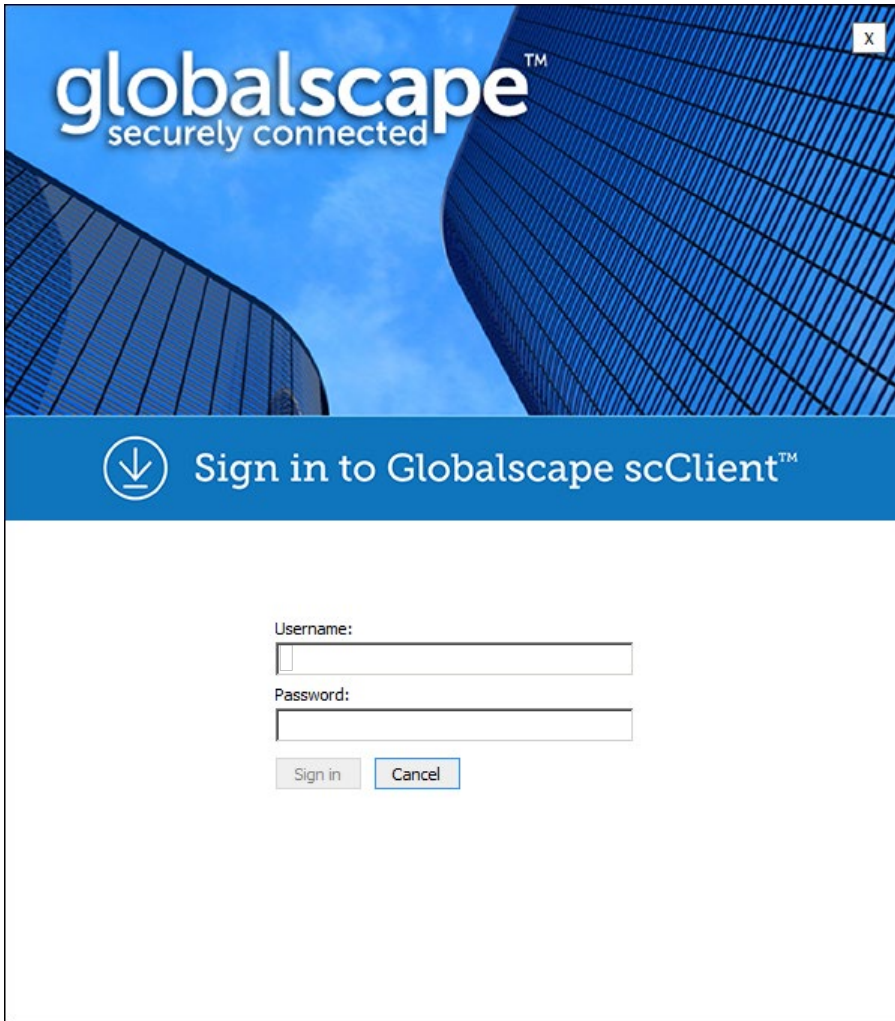
When the scClient is downloaded, the IP address of EFT is coded in the installer. You can only upload and download files to/from EFT at that IP address. You cannot specify a different IP address or port.



Logging in to scClient

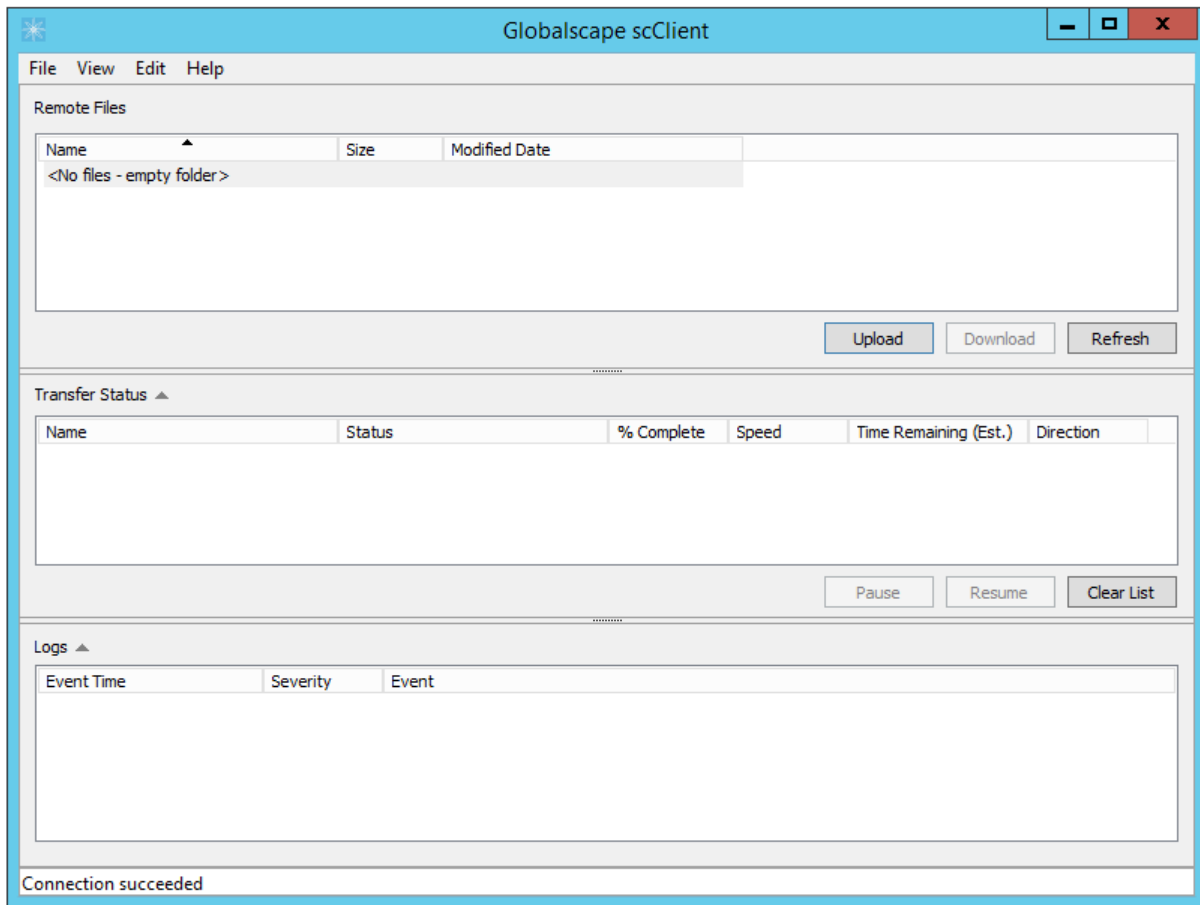
To use scClient

1. Open the web browser and type or paste the web address provided by your EFT administrator into the address bar of your browser.
2. The installer, scClient.exe, is downloaded to the **Downloads** folder of your browser (e.g., C:\Users\myname\Downloads).
3. Double-click the executable to open the client.



4. Sign in with your EFT login credentials (provided by your administrator).

The scClient interface appears.



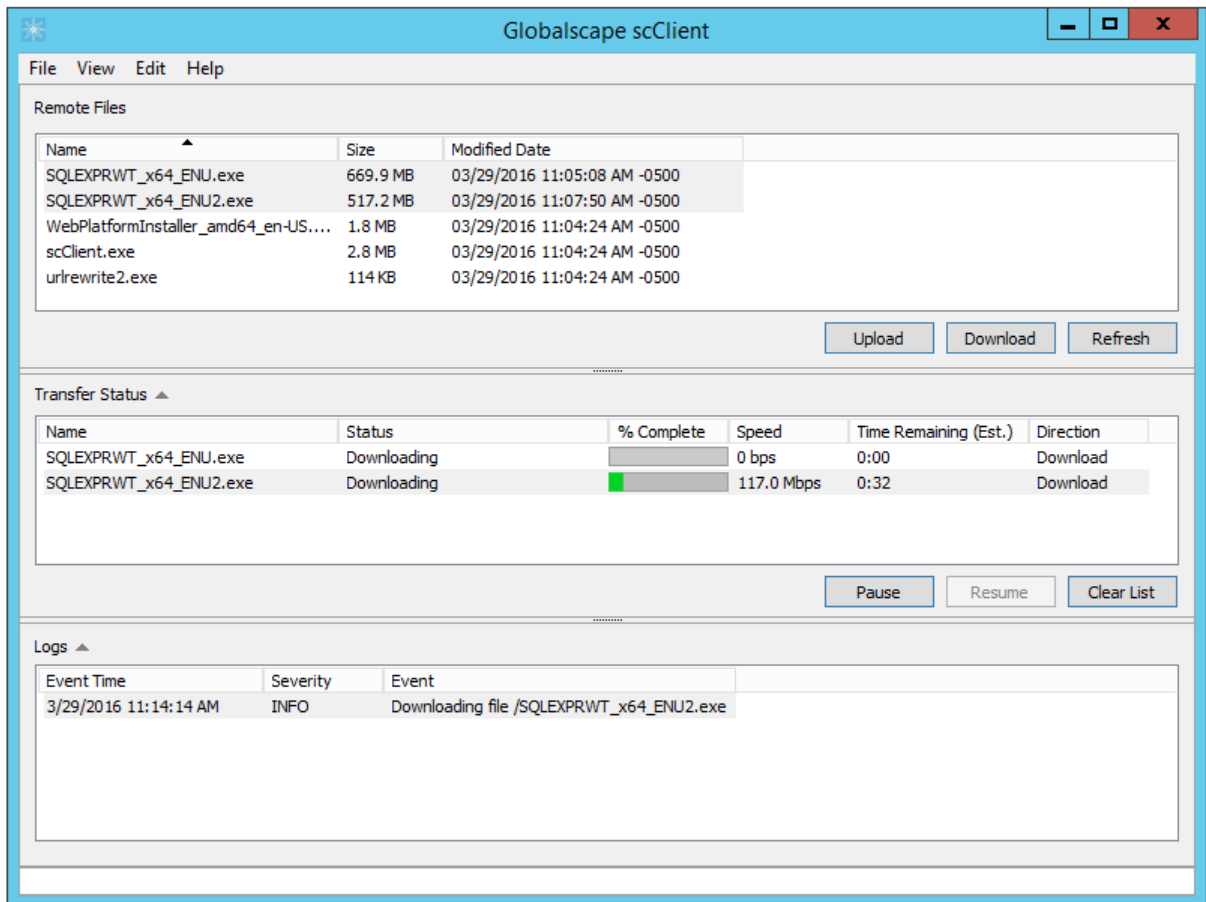
Main Menu

Item	Description
File > Exit	Close scClient
View > Show Application Log	Displays scClient history in the Logs pane
Edit > Options	Displays message box to enable or disable acceleration transfers and tells you that outbound UDP port 8443 must be open for accelerated transfers. Do not change any setting unless your EFT administrator asks you to change it.
Help > About	Displays the version number of scClient.
Upload	Displays the Open dialog box in which you can select files to upload.
Download	Displays the Select dialog box in which you can select files to download from the server.
Refresh	Refreshes the display of remote files.
Pause	Pauses a transfer in progress
Resume	Resumes a paused transfer
Clear List	Clears the Transfer Status pane

Downloading Files

To download files

1. In the **Remote Files** pane, select one or more files to download, then click **Download**. The Windows **Select Folder** dialog box appears.
2. Specify the folder to which you want to download the file(s), then click **Select Folder**. The files immediately being to download. You can track the download status in the **Transfer Status** pane.



- o To cancel a download, right-click the file in the **Transfer Status** pane, then click **Remove from list** or press DELETE.
- o To view the folder into which the file is being downloaded, right-click the file in the **Transfer Status** pane, then click **Open folder location**.

Uploading Files

To upload files

1. Click **Upload**. The Windows **Open** dialog box appears.
2. Browse for and select the file(s) that you want to upload, then click **Open**. The files immediately being to upload.

You can track the upload status in the **Transfer Status** pane:

The screenshot shows the Globalscape scClient application window. The 'Remote Files' pane lists three files: WebPlatformInstaller_amd64_en-US..., scClient.exe, and urlrewrite2.exe. The 'Transfer Status' pane, highlighted with a red border, shows a table of upload progress for these files. The 'Logs' pane shows the upload process for WebPlatformInstaller_amd64_en-US.msi. The status bar at the bottom indicates 'Connection succeeded'.

Name	Status	% Complete	Speed	Time Remaining (Est.)	Direction
scClient.exe	Completed	100%	23.5 Mbps	0:00	Upload
SQLXPRTWT_x64_ENU.exe	Uploading	~10%	144.9 Mbps	0:16	Upload
urlrewrite2.exe	Completed	100%	931 kbps	0:00	Upload
WebPlatformInstaller_amd64_en-US...	Completed	100%	14.9 Mbps	0:00	Upload

Event Time	Severity	Event
3/29/2016 11:04:20 AM	INFO	Uploading file C:\Users\Administrator\Downloads\WebPlatformInstaller_amd64_en-US.msi
3/29/2016 11:04:24 AM	INFO	Upload completed

- o To cancel an upload, right-click the file in the **Transfer Status** pane, then click **Remove from list** or press DELETE.
- o To view the folder into which the file is being uploaded, right-click the file in the **Transfer Status** pane, then click **Open file location**.

Troubleshooting

The scClient log in `C:\ProgramData\Globalscape\scClient\scClient-log.txt` provides connection and transfer details, such as login failures. An example is shown below:

```
Logging started at (local time) Wed Oct 04 10:33:50 2017 -0500
Wed Oct 04 10:33:50 2017 INFO Success initializing Acceleration DLL
Wed Oct 04 10:33:52 2017 INFO [Listing task 1]Getting contents of /
Wed Oct 04 10:33:52 2017 INFO [Listing task 1]A certificate is required to complete
client authentication
Wed Oct 04 10:33:52 2017 ERROR [Listing task 1]Task Failed: A certificate is
required to complete client authentication
Wed Oct 04 10:34:11 2017 ERROR Error during logout: A certificate is required to
complete client authentication
```