



# STN Express<sup>®</sup> – Frequently Asked Technical Questions

This document answers the most frequently asked technical questions related to STN Express.

**Notes:**

- *Support for Macintosh versions of STN Express was discontinued as of 31, December 2007.*
- *Support for versions of STN Express older than V8.4 was discontinued as of 10, June 2013.*
- *Please contact the Help Desk at your local STN service center for help transitioning to a supported STN interface.*
- *For additional technical support, contact the [CAS Customer Center](http://www.cas.org).*

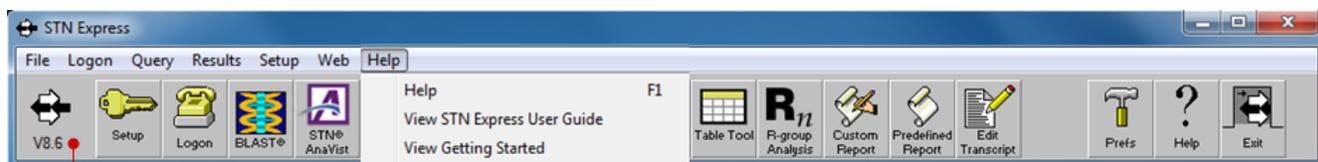
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# STN Express

## How can I find the exact version of STN Express?

Launch the application and navigate to the location shown below:

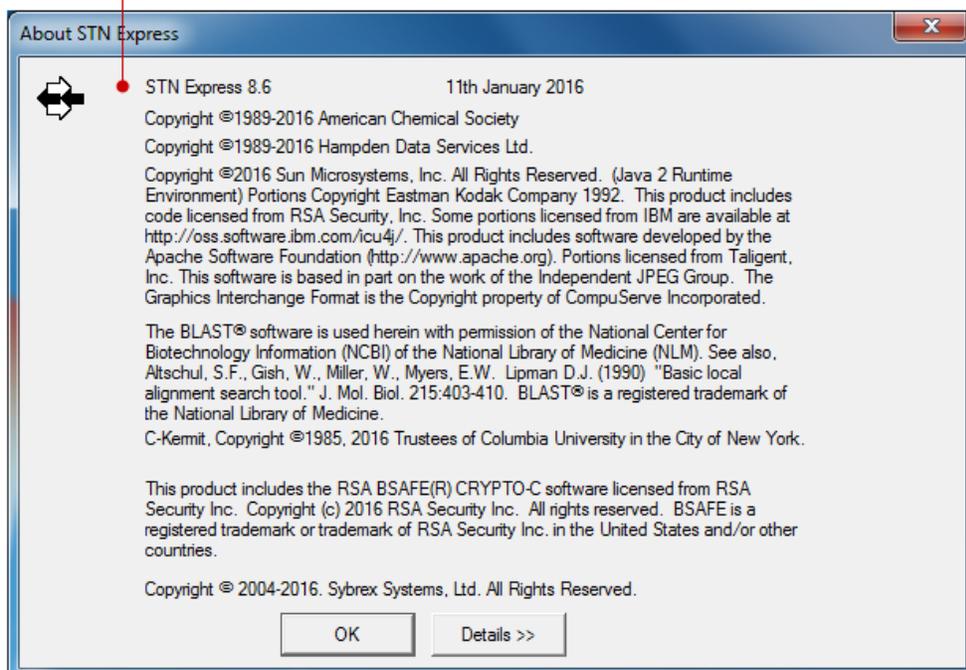


The major version of STN Express is listed on the main toolbar.

Click **Help > About STN Express** to access the exact version of the software.

The first line of text lists:

- Major version number (8.6)
- Exact version number including any maintenance upgrades (8.6.x.x)
- Release date (11<sup>th</sup> January 2016)



This process works on any supported version of STN Express.

## Which STN Express Installer should I use?

STN Express 8.6 offers two installer options. In many cases, you can choose either option.

	None (New Installation)	Upgrading from version 8.3 or 8.4	Upgrading from version 8.2 or earlier
<b>MSI (v8_5msi.exe)</b> [MSI Installer]	✓	✓	✗
<b>EXE (v8_5.exe)</b> [Scripted Installer]	✓	✓	✓

### Note:

#### About MSI installer (v8\_6msi.exe)

The MSI (Windows Microsoft Installer) is recommended for new installations and upgrades from STN Express 8.3 or later versions. Powered by an installer engine that is part of all recent versions of Microsoft Windows, it should have a very familiar *look and feel*, since MSI installers are widely used for installing software. It is compatible with Windows XP, Windows Vista, Windows 7, Windows 8 & 8.1 and Windows 10.

MSI installers power 60-70% of software installations. They are requested by customers who have central software distribution, such as Microsoft Active Directory. Customizing an installation to the needs of a particular company is easier with MSI.

#### About Scripted installer (v8\_6.exe)

This is the STN Express classic installer. It must be used to upgrade from STN Express 8.2 or earlier. It is compatible with Windows XP, Windows Vista, Windows 7, Windows 8 & 8.1 and Windows 10.

For those who have installed versions of STN Express before the development of the MSI installer, it will have a familiar *look and feel*.

#### Upgrades from STN Express 8.2 or earlier

The STN Express 8.6 **Scripted installer** is **strongly recommended** for this task. It **preserves and copies user files and folders** from version 8.2 or older versions to new locations in:

- Windows 2000 and XP: C:\Documents and Settings\Username\My Documents\STN Express 8.6\
- Vista: C:\Users\Username\Documents\STN Express 8.6\
- Windows 7 and newer: C:\Users\Username\My Documents\STN Express 8.6\

The **Scripted installer** uninstalls STN Express 8.2 or earlier, and removes the STN Express related \*.ini files from C:\Windows.

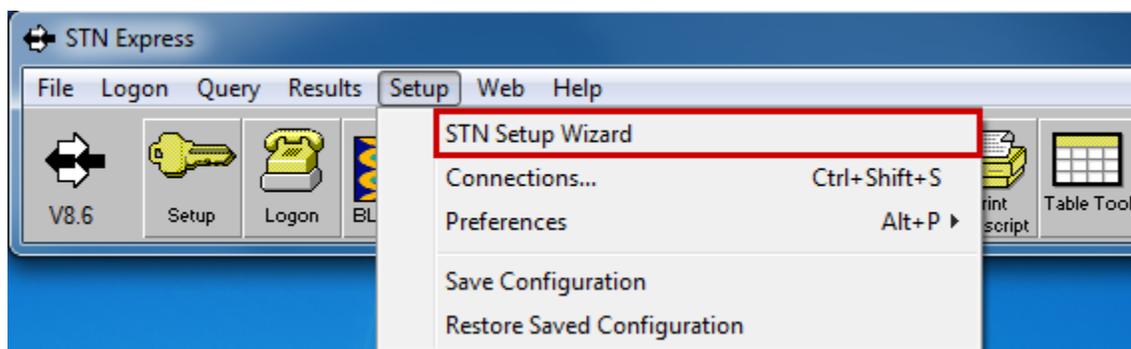
The **MSI installer** does not uninstall prior version software and is **not recommended** for upgrading STN Express 8.2 or for earlier versions. You may manually uninstall prior versions after the STN Express 8.6 installation has completed.

## How do I create an STN logon setup?

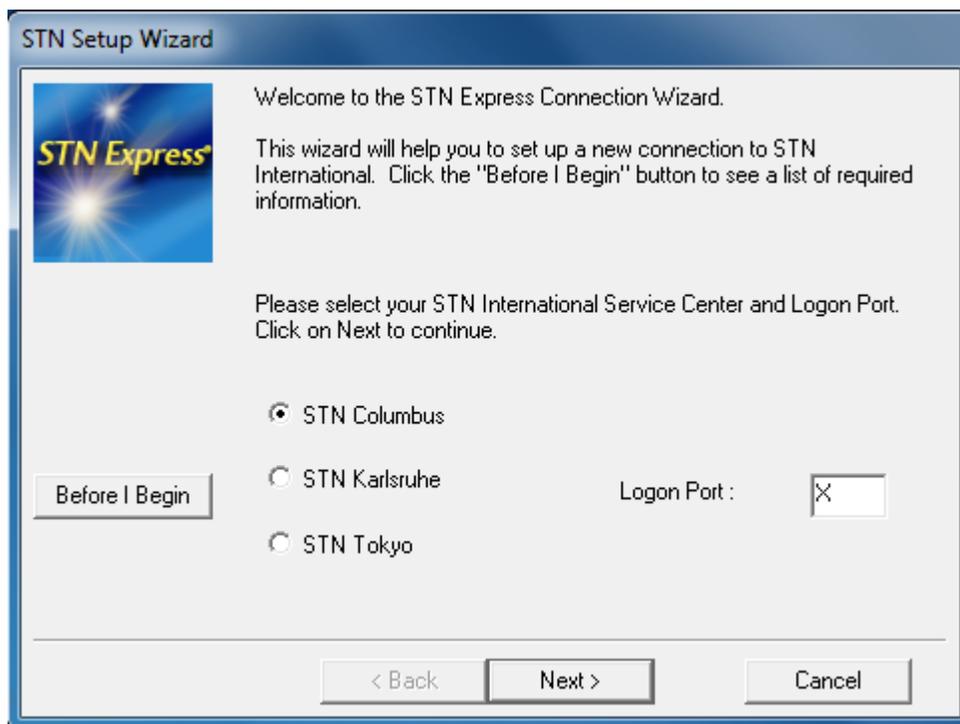
The STN Express logon dialog box contains the information required to connect to a host server and begin a working session.

### To create a logon setup for STN:

1. Click **Setup** on the main toolbar, and then choose **STN Setup Wizard**.

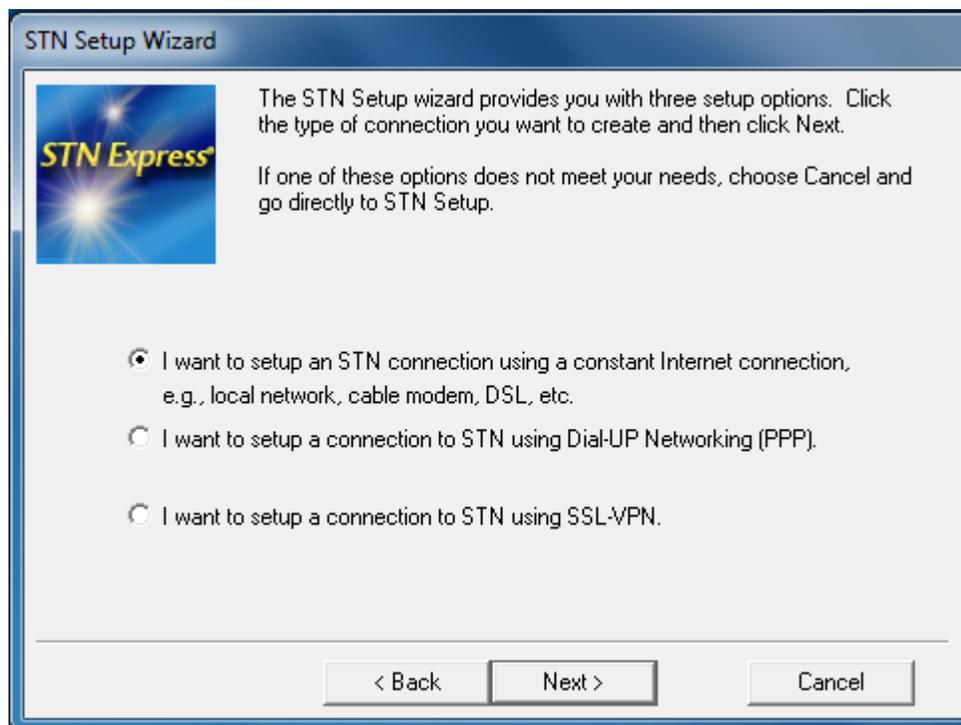


2. If necessary, click the radio button to select the appropriate **STN International Service Center**.
3. If necessary, enter the **Logon Port**. (Most customers use **X** for the Login Port. Your startup kit provides information on whether you should use a different port.)



4. Click **Next**.
5. Choose the type of connection.

**Note:** Connections to non-STN hosts must be defined manually, see the [How can I modify or create an STN Express logon setup?](#) section.



Connection descriptions:

- **Internet Connection** – This is the most common type of connection. It connects through your Local Area Network (LAN) and relies on being able to make a telnet connection (via port 23) to the selected STN Service Center.  
  
If you are connected to a corporate network, more information may be needed to connect through a gateway, firewall, or proxy. If you select this option, the wizard will ask you about this in the next step.
- **Dial-Up Networking** – This uses the Dial-up Networking feature of Microsoft Windows to establish a dial-up connection to the Internet through an Internet Service Provider. This is not a common selection.
- **SSL-VPN** – This option uses HTTP over an SSL (Secure Sockets Layer) connection to create a VPN (Virtual Private Network) to STN. It assumes that you have a Constant Internet Connection, as described above and you must have a current version of Oracle<sup>®</sup> Java™ installed on your computer. SSL/VPN uses a small Java applet to create and maintain the encrypted connection.

The SSL-VPN connection will be established between your web browser and the STN Service Center. This has two advantages over a constant Internet connection:

- The connection is encrypted
- An HTTPS connection is less like to be blocked by a corporate firewall than a telnet connection.

6. Click the appropriate radio button, and then click **Next**.

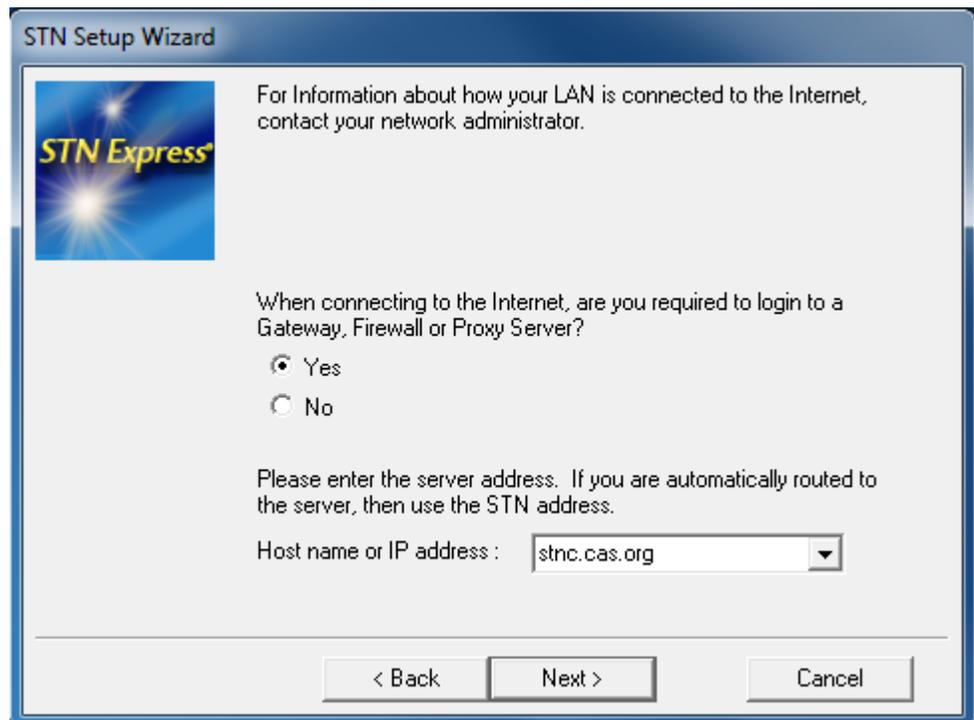
If you selected:

- **Internet Connection** – you will be asked to logon using a Gateway, Firewall, or Proxy Server. Check with your IT team as to whether this is necessary.



If **Yes**:

- a. Click the **Yes** radio button.
- b. Enter the server address. If you are automatically routed to the server, then use the **Host name or IP address** supplied by Express.



- c. Click **Next**.
- d. Enter the necessary system prompts and responses supplied by your IT department.

**STN Setup Wizard**



STN Express needs to know two types of information when making a Gateway connection. First, what do the Gateway computer's prompts look like. Second, what are your responses to those prompts. Upper & lower case, spacing and punctuation are important!!

	Enter the prompts exactly as you see them from your Gateway.	Enter your responses in this column.
Login:	<input type="text"/>	<input type="text"/>
	Example: LOGIN:	Example: JSMITH
Password:	<input type="text"/>	<input type="text"/>
	Example: PASSWORD:	
Prompt:	<input type="text"/>	<input type="text"/>
	Example: NTGW01 >	Example: CONNECT STN

- e. Save your Setup by entering a Setup Name. (*Optional*) Enter your **STN Login ID** and **Password** with your Setup to avoid entering it when you login.

**STN Setup Wizard**



You have completed the Setup Wizard!

To save your Setup, please provide a name and press Finish to create your Setup

Setup Name:

You may also enter your STN Login ID and password if you want to store them with your Setup. If you do not enter them here, you will be prompted at Logon time.

STN Login ID:

STN Password:

- f. Click **Finish**.

**If No:**

- a. Click **Next**.
- b. Save your Setup by entering a Setup Name. Use descriptive text, such as STN-CAS or STNC-SSL/VPN.
- c. (*Optional*) Enter your **STN Login ID** and **Password** with your Setup to avoid entering it when you login. Your password will be encrypted when it is saved.

STN Setup Wizard

**STN Express**

You have completed the Setup Wizard!

To save your Setup, please provide a name and press Finish to create your Setup

Setup Name:

You may also enter your STN Login ID and password if you want to store them with your Setup. If you do not enter them here, you will be prompted at Logon time.

STN Login ID:

STN Password:

< Back    Finish    Cancel

- d. Click **Finish**.

- **Dial-Up Networking –**



- a. Prior to selecting this choice, configure a Dial-up network.
- b. Select the Dial-up Connection from the drop-down list (active when network is configured).
- c. Click **Next**.

- **SSL-VPN –**

STN Setup Wizard

**STN Express**

You have completed the Setup Wizard!

To save your Setup, please provide a name and press Finish to create your Setup

Setup Name:

You may also enter your STN Login ID and password if you want to store them with your Setup. If you do not enter them here, you will be prompted at Logon time.

STN Login ID:

STN Password:

< Back    Finish    Cancel

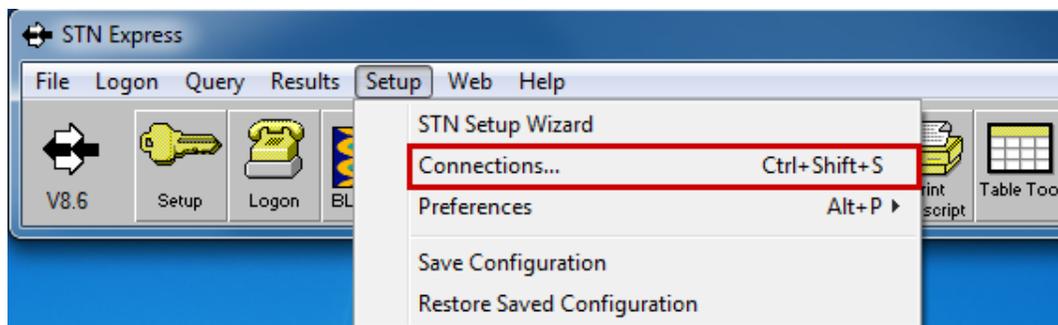
- a. Save your Setup by entering a Setup Name. Use descriptive text, such as STN-CAS or STNC-SSL/VPN.
- b. (*Optional*) Enter your **STN Login ID** and **Password** with your Setup to avoid entering it when you login. Your password will be encrypted when it is saved.
- c. Click **Finish**.

## How can I modify or create an STN Express logon setup?

Use the STN Setup program to modify a setup or create a non-STN setup.

### To modify an STN Express logon setup:

1. Click **Setup** on the main toolbar, and then choose **Connections**.

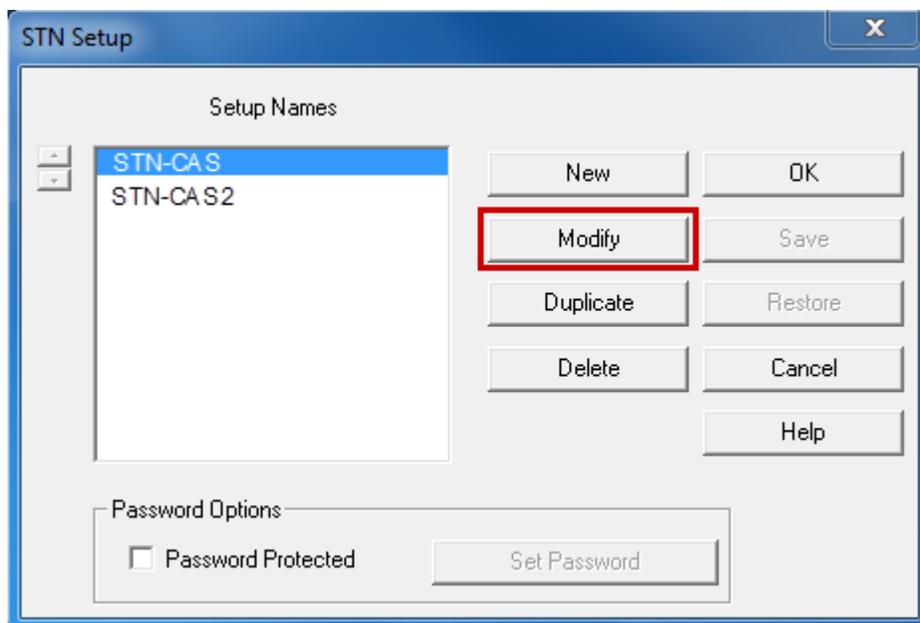


– Or –



Click the **Setup** icon on the main toolbar.

2. Choose the Setup name, and then click **Modify** (click **New** to create a new logon setup).



- Use the following to modify the current setup.

<b>1</b>	Change the name of your setup. The name can be up to 20 characters in length, including spaces.
<b>2</b>	If you saved your STN password in your setup, but changed your password while online, be sure to save the new one in your setup.
<b>3</b>	Use the <b>Host Settings</b> tab to set online host-specific information, including the STN port letter.
<b>4</b>	If you encounter problems connecting to STN-Columbus using the <b>Host Name</b> (stnc.cas.org), enter the <b>IP Address</b> (134.243.5.32). Both the Host Name and IP Address can be found in the drop-down list. DNS names and IP addresses for STN FIZ-Karlsruhe are also available.
<b>5</b>	Click <b>Advanced</b> to update firewall or gateway information.

6

Click **OK** to accept the modifications or **Cancel** to discard them.

**Note:**

Communication Settings: The default option is to use (checked) "Encryption provided by RSA" in order to encrypt the contents of your telnet connection to the STN server and enhance your search security. However, some firewalls will not allow encrypted telnet. If you experience dropped session connections, try unchecking the "Encryption provided by RSA" option. As an alternative, you may wish to create an SSL/VPN setup.

**To modify a Winsock/Internet Setup (Advanced Dialogue: Gateway Configuration):**

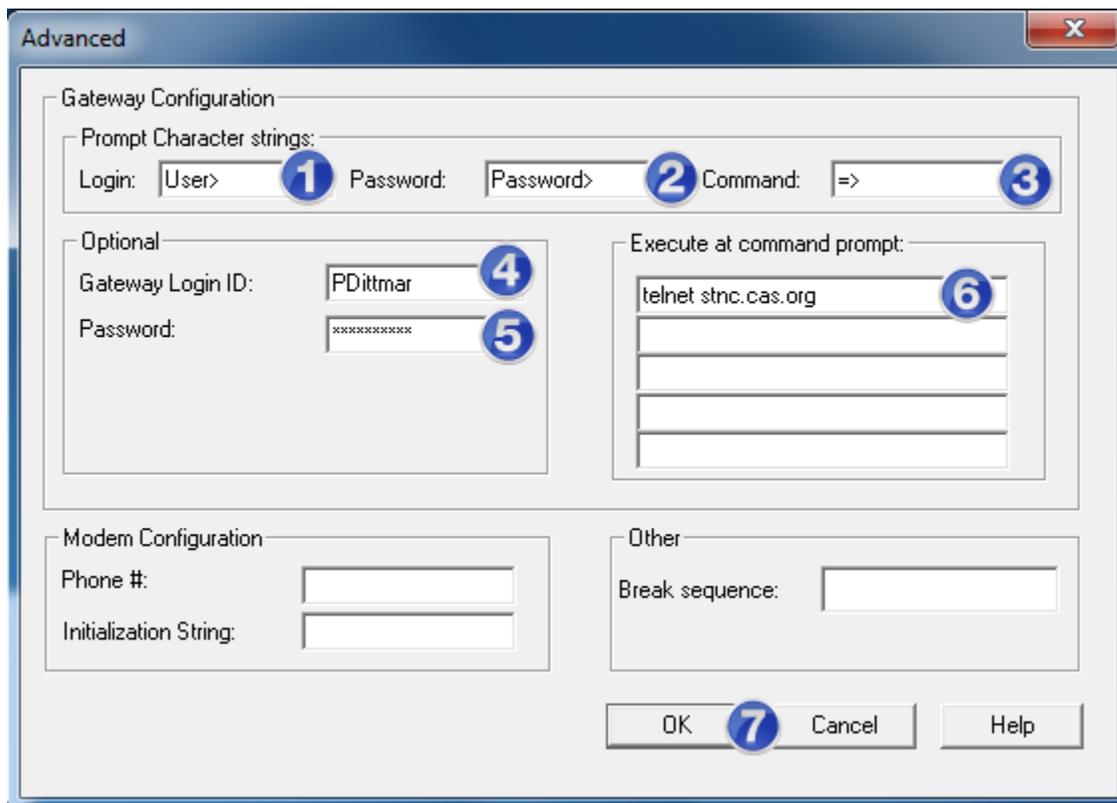
The gateway login and connect-to-STN Columbus procedure is as follows. (The gateway's prompts are shown using a regular font, and example responses are shown using *italics*)

Login: *User*>

Password: *Password*>

Command: =>

Execute at command prompt: *telnet stnc.cas.org*



1	If your gateway asks for a login ID, type the login prompt in the <b>Login</b> box. This entry is case sensitive.
2	If your gateway asks for a password, type the password prompt in the <b>Password</b> box. This entry is case sensitive.
3	If your gateway displays a prompt when it's ready to accept a command, type the prompt in the <b>Command</b> box. This entry is case sensitive. If your gateway does not display a prompt, enter an <b>X</b> in the box.
4	If you must provide a login ID to the telnet gateway, type it in the <b>Gateway Login ID</b> box. If you do not enter it, STN Express will ask for it during the gateway login each time.
5	If you must provide a password to log on to the gateway, type it in the <b>Password</b> box (under the Optional section). If you do not enter it, STN Express will ask for it during each gateway connection. If you do type it here, it is encrypted and saved on your hard drive.
6	In the first <b>Execute at command prompt</b> box, type the command that connects you to STN. In this example, the command is simply the STN Columbus host name, stnc.cas.org preceded by "telnet". The equivalent IP address, 134.243.5.32, should also work.
7	Click <b>OK</b> to save your changes or <b>Cancel</b> to discard them.

Setup Name:  Login ID:

Host Name:  Password:

OK Cancel Help

Connection Settings Host Settings

Host Prompts:

Logoff Messages:

Command Window  Close Window at logoff

Highlight ON Sequence:   
Highlight OFF Sequence:

Execute at first Host Prompt:

STN Port:  Graphics:

- 1** The default STN Port letter X is suitable for most accounts. If you have been instructed to use a different port, type the letter in the STN Port box. Customers in the CAS academic program can also use the port for their North American time zone:
- | Time Zone | STN Port Letter |
|-----------|-----------------|
| Eastern   | I               |
| Central   | C               |
| Mountain  | M               |
| Pacific   | Z               |
- 2** Uncheck **Close Window at logoff** if you would like the session window to stay open after you finish your online session.
- 3** Check **Command Window** if you want STN Online and Results to open a command window each time you log on.
- 4** Click **OK** to save your changes or **Cancel** to discard them.

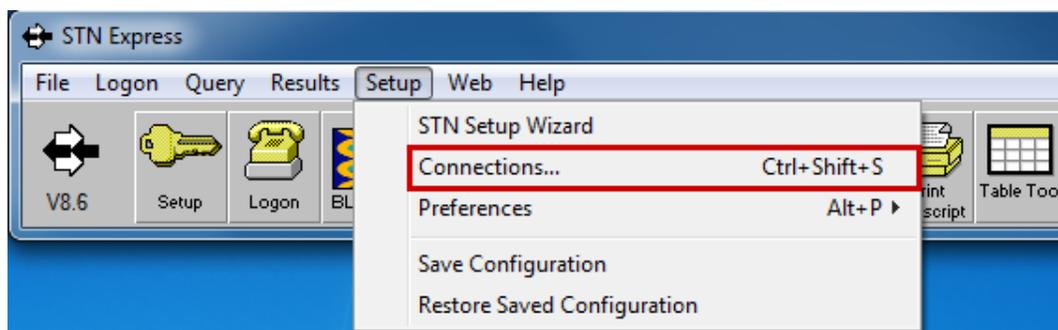
## How can I establish a secure connection to STN?

STN Express 8.4 and newer can use SSL-VPN to make the connection from your computer to the STN Service Centers. This option downloads a small java applet which runs in your web browser to create a VPN (Virtual Private Network) tunnel using SSL (Secure Sockets Layer). Your STN Express client communicates with your web browser and all STN Express traffic is sent and received through the secure VPN Tunnel. SSL-VPN is available for connections only to the STN Service Centers, not to other database suppliers.

### To set up a secure and encrypted connection to STN via SSL-VPN:

#### Configure STN Express:

1. Ensure that a current version of Oracle<sup>®</sup> Java™ is installed on your computer.
2. Launch STN Express, but do not log into the application.
3. Click **Setup** on the main toolbar, and then choose **Connections**.



– Or –



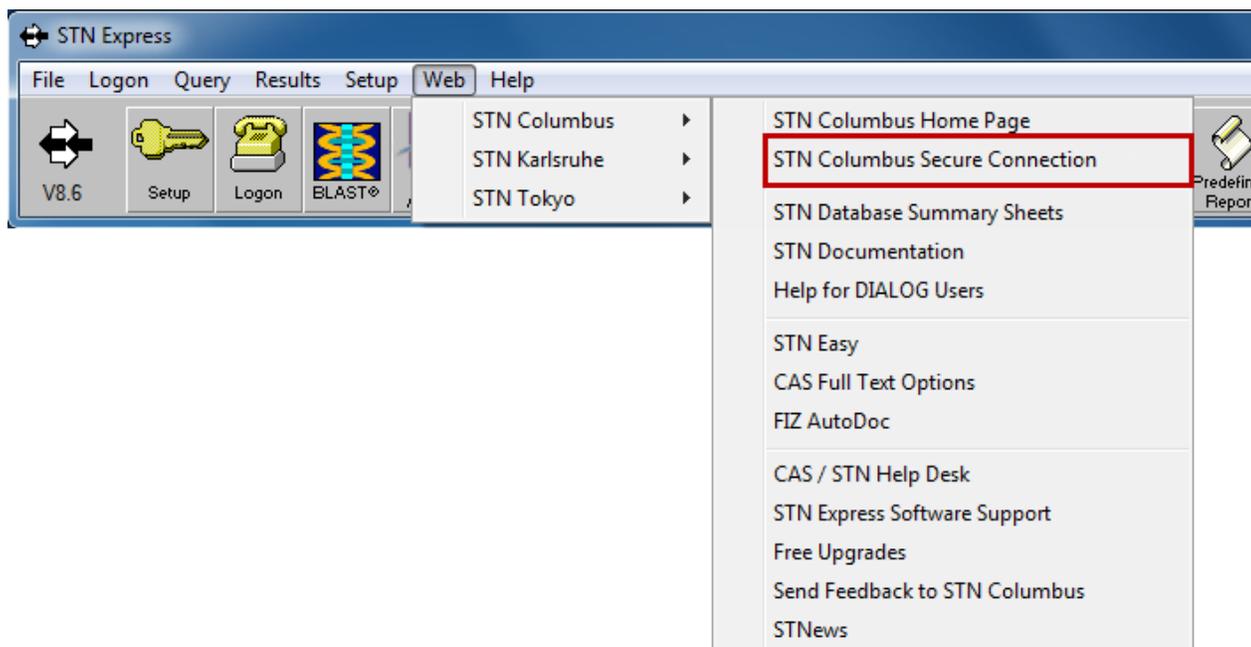
Click the **Setup** icon on the main toolbar.

4. Click **New** to create a new logon setup.
5. Enter the following in the Setup Definition dialog box:
  - Setup Name: **SSL-VPN** (used in this example)
  - Host Name: **STN-Tokyo** or **STN-Karlsruhe** or **STN-Columbus**
  - Connect via: **SSL-VPN**
  - Logon Method: **Standard (Winsock)** (set automatically)
  - Host Name: **localhost** (set automatically)
  - Port: **55555** (set automatically for STN-Tokyo or STN-Columbus);  
**6000** (set automatically for STN-Karlsruhe)

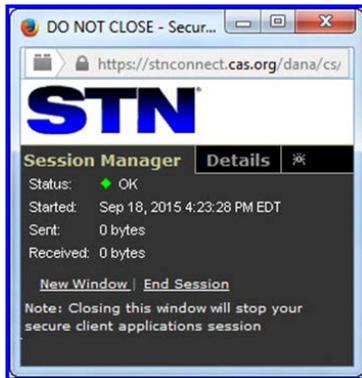
6. Click **OK** to exit the setup creation window.
7. Click **Save** in the STN Setup window.
8. Click **OK** to exit.

### ***Establish a secure and encrypted communication with STN***

1. Click **Web** on the main toolbar, and then choose **STN Columbus**, or **STN Karlsruhe**, or **STN Tokyo**.



2. Choose **STN [Host Name] Secure Connection**.
3. Select the STN Service Center you want to connect to. (STN Karlsruhe users will not see this prompt.)
4. Confirm any security warnings and accept all certificates in order to install and execute the Java applet.
5. Wait until the secure connection is established. A separate small status window reports the status of connection. A green flashing signal confirms a successful connection. Leave the status window open for the duration of your STN Express session.



6. Return to STN Express and click the **Logon** icon.
7. Select the **SSL-VPN** setup in the Select Logon Settings window. Click **OK** to log on using the SSL VPN connection.

**Note:**

If you have logged on to STN and the session manager window Sent and Received packets remain at 0 bytes, you did not log on using the SSL-VPN setup and your session is not being encrypted. Log off from STN and log on again using your SSL-VPN setup.

**Note:**

STN Express 8.4 and higher support automated SSL-VPN login. In those versions, click the **Logon** icon and then select the **SSS-VPN** setup from your list of setups.

**If you find that your STN session times out before the SSL/VPN session manager window appears, use the method detailed above to begin with the SSL/VPN session.**

### SSL-VPN tips for optimal use

- While RSA encryption can be used with an SSL-VPN session, it is recommended that you choose one or the other as each accomplishes the same thing – a secure and encrypted session. Using both together will cause the data being sent back and forth from your PC to the STN host to be doubly encrypted and could cause a degradation of service.
- Within your browser, it is recommended that you check **don't reuse the browser window** to keep from accidentally overlaying the session manager window and accidentally terminating the connection.
- The SSL-VPN connection to STN relies on the secure session manager running in the web browser window. This window is labeled: DO NOT CLOSE – Secure Application Manager. If this is the last active web browser window used and you click on a link from another application (including STN), you may get a dialog that asks: *Are you sure you want to navigate away from this window?* If you respond Yes, your SSL-VPN connection is disconnected along with your STN session. In your STN window, you will see a message: *Connection closed by remote host.*
- If you click End Session within the secure application session manager window, this will end your SSL-VPN and STN sessions.

## Connectivity problems

Possible reasons for encountering problems establishing the SSL-VPN session:

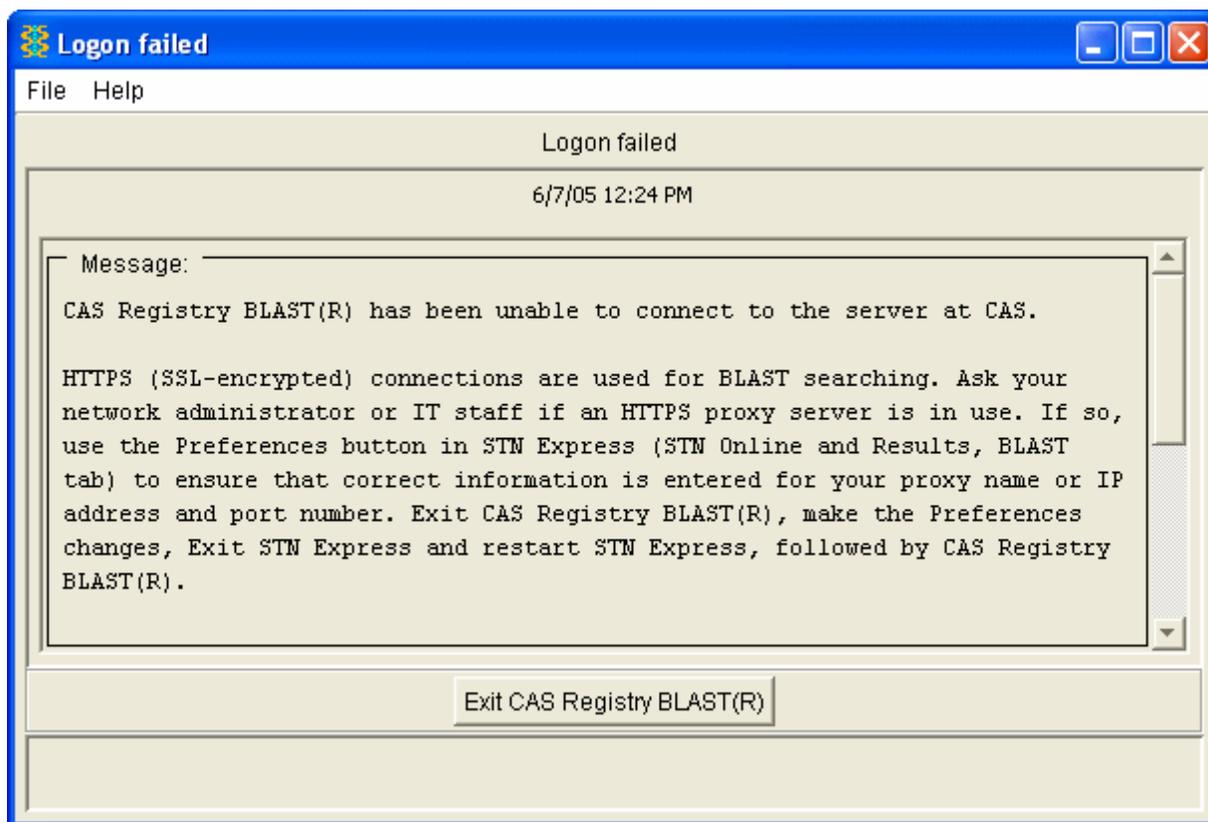
- The HTTPS protocol may be blocked. Confirm that port 443/TCP is permitted through your firewall and/or proxy server. (To test this, try going to an https web-site to confirm it works, e.g., <https://stnweb.cas.org>.)
- You have a pop-up blocker enabled within your browser preventing the session manager window from launching. In order for the SSL-VPN session to connect, you can either turn off your pop-up blocker, or add \*.cas.org and/or \*.fiz-karlsruhe.de as a trusted web site and allow for pop-ups.
  - **Microsoft Internet Explorer:** Choose **Tools > Pop-up Blocker > Pop-up Blocker Settings** and add \*.cas.org and/or \*.fiz-karlsruhe.de to the "Address of web-sites to allow".
  - **Firefox:** Choose **Tools > Options > Content** and click **Exceptions** to the right of Block pop-up windows and add \*.cas.org and/or \*.fiz-karlsruhe.de.
- The web page has been cached and thus instead of running the program that launches the secure application manager session, it redirects you to:  
<http://www.cas.org/ONLINE/STN/stnconnect.html> or <http://www.stn-international.com/sslvpn.html>

Within a browser window:

- Choose **Tools > Options** and click **Delete Files** in the Temporary Internet Settings section to clear the cache.
- In the Temporary Internet Settings section, click the **Settings** button and check **Every visit to the page** (for IE).
- Finally, close all browser windows and then within STN Express, choose **Secure Session** from the appropriate service center within the Web menu and that will allow you to establish a new SSL-VPN session.

## Why can't I login to CAS Registry BLAST?

If you are not able to log on to CAS Registry BLAST, or if your computer cannot connect to the BLAST server, an error message appears:



The problem can often be corrected by setting proxy server preferences for CAS Registry BLAST. Unlike browsers, the BLAST client will not automatically detect and use a proxy. It must be manually added.

### **Determine the Proxy Server**

Your IT department or internal help desk is best-equipped to tell you if you should use a proxy server and, if so, which proxy server you should use. However, if your web browser is configured with a proxy server, you can try using the same information for CAS Registry BLAST.

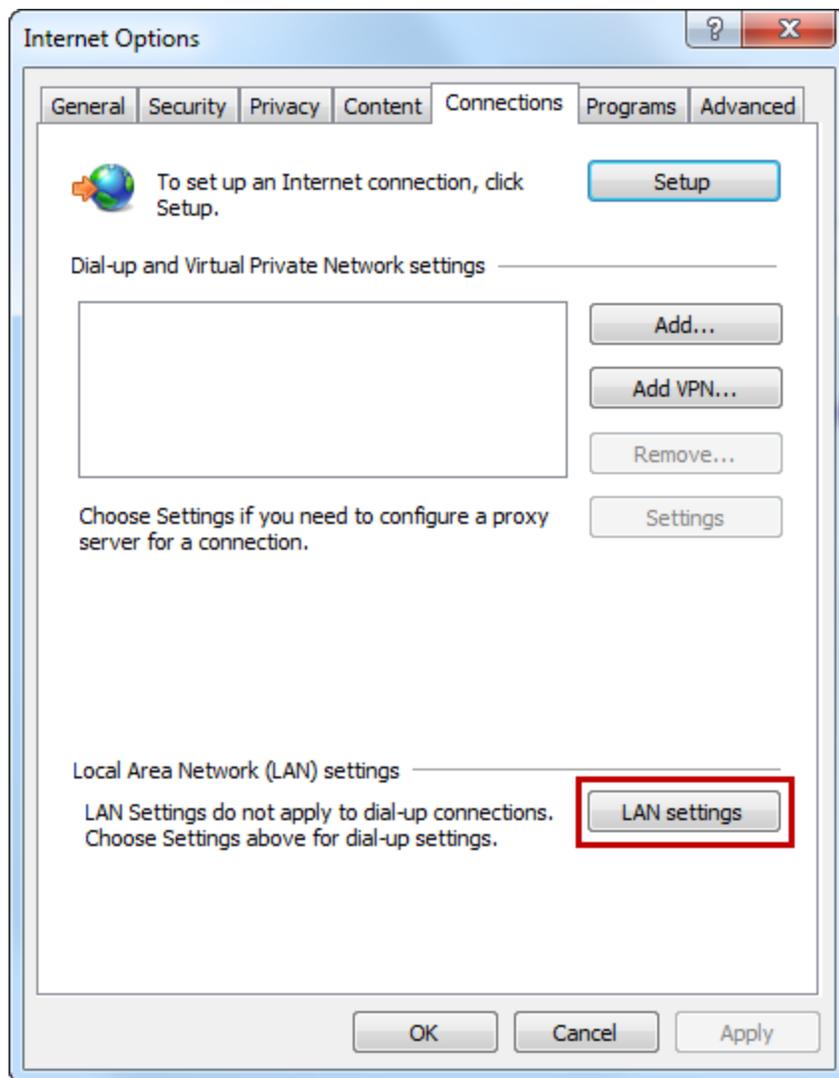
You will need to know the following settings for the proxy server:

- the proxy server's name or address
- the proxy server's port
- whether the proxy server is an HTTP proxy or a SOCKS proxy

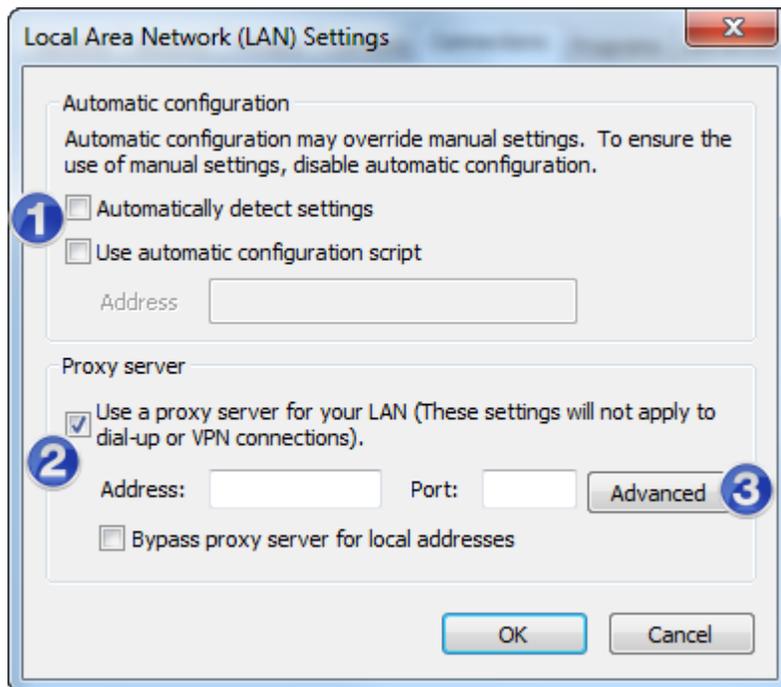
To find your web browser for proxy server information, see [View Proxy Settings in Microsoft Internet Explorer](#).

## View Proxy Settings in Microsoft Internet Explorer

1. Click **Tools > Internet Options** to open the Internet Options dialog box.

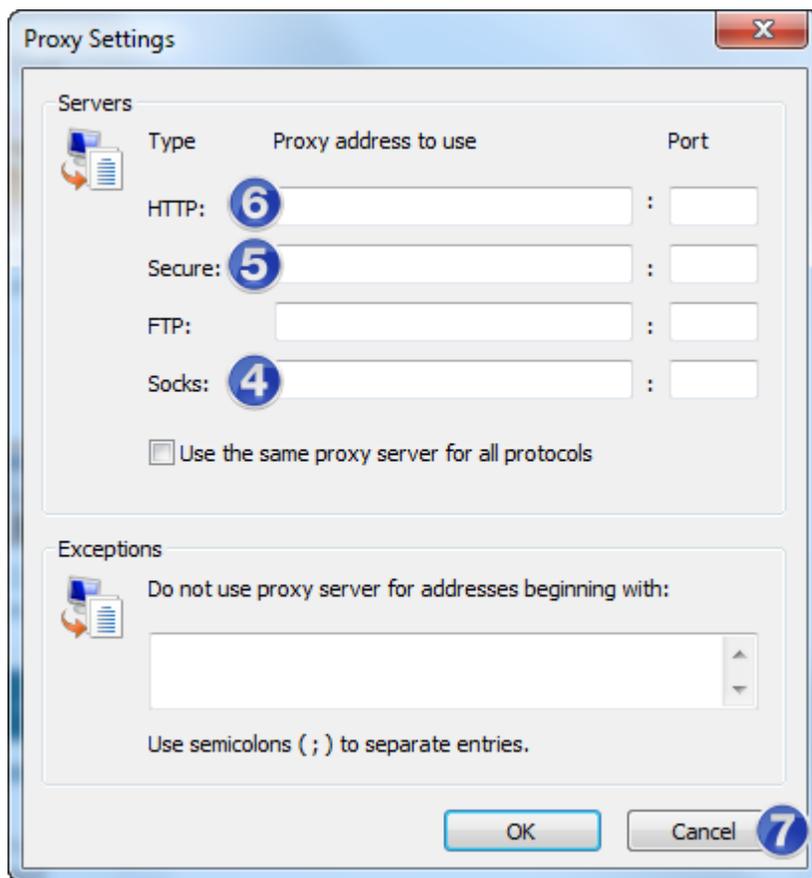


2. Click the **LAN settings** button on the **Connections** tab.



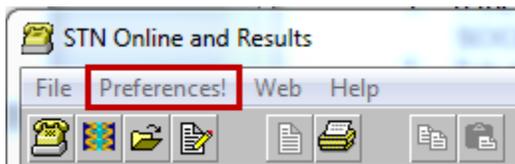
<b>1</b>	If any boxes under <b>Automatic configuration</b> are checked, click <b>Cancel</b> . Ask your IT department or internal help desk for the name or address and port of your proxy server used for HTTPS/SSL connections.
<b>2</b>	If the <b>Use a proxy server for your LAN</b> box is checked and the <b>Address</b> box is populated, note the <b>Address</b> and <b>Port</b> for use in BLAST. The type of proxy server is HTTP.
<b>3</b>	If there is no entry in the <b>Address</b> box, click the <b>Advanced</b> button to check for more information in the Proxy Settings dialog box.

3. In the Local Area Network (LAN) Settings dialog box, check only the **Use a proxy server for your LAN** box.
4. Click the **Advanced** button.

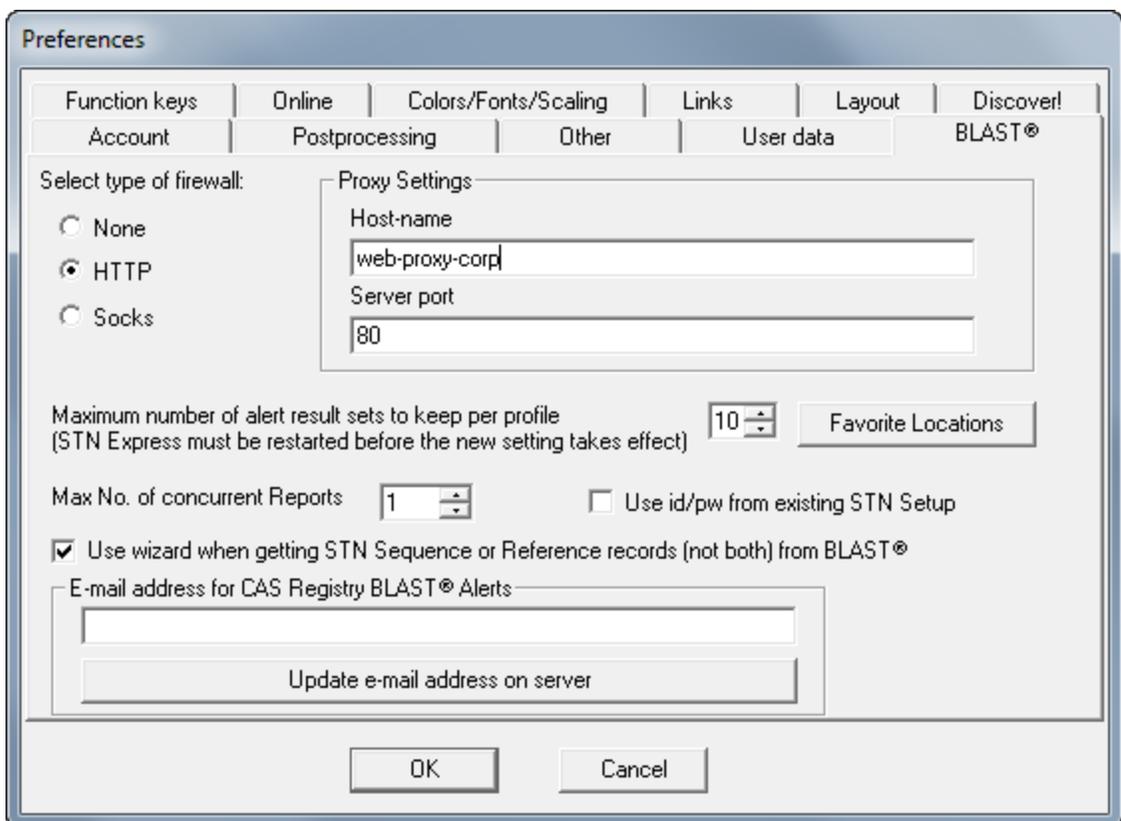


<b>4</b>	If entries appear in the <b>Socks</b> boxes, then use these as your BLAST proxy settings. You have a SOCKS proxy server.
<b>5</b>	It is possible that different proxy servers are used for <b>HTTP</b> and <b>Secure</b> connections. If entries appear in the <b>Secure</b> boxes, then use these as your BLAST proxy settings. The type of proxy is HTTP.
<b>6</b>	If no entry appears in the <b>Secure</b> box, use the name or address and port displayed in the <b>HTTP</b> boxes. The type of proxy is HTTP.
<b>7</b>	Click <b>OK</b> to accept the settings or click <b>Cancel</b> to close the dialog box.

5. Define your settings (Proxy server's name or IP address and the Port) based on the recommendations described above and click **OK**.
6. Open STN Express version 8.4 or newer.
7. Click **Preferences!**.



8. Click the **BLAST®** tab and then enter the following information:
  - **Select type of firewall – HTTP** (including HTTPS or secure) or **SOCKS**  
 Note: SOCKS 5 authentication is not supported. SOCKS 4 or SOCKS 5 without authentication should work.
  - **Proxy's Settings** – enter the proxy server's **Host-name** or IP address
  - **Server port** – enter the proxy server's communication port number



9. Click **OK** to close the Preferences dialog box and save the settings.
10. Click **File > Exit STN Online and Results** or click **X** to close the BLAST application.
11. Click **File > Exit STN Express** or click **X** to close the STN Express application.
12. Open STN Express and log into CAS Registry BLAST.

## What are STN Express support files?

The support files are used by STN Express functions such as display, reports and tables, dictionaries and more. Support file updates are issued to match changes in STN databases, including addition or removal of databases or enhancements to display formats. Updating to current support files ensures that you have the best STN Express experience and value.

Support File Name	Content or Function
ABBREVE.INI	Controls expanding of abbreviations in the Online Window and transcripts in the following fields: Abstract, Title, Supplementary Terms, Controlled or Index Terms.
cn.bt cn.ff	Updates to Company Name Thesaurus.
discover.fil	List of STN Files and their features for the STN Database Selection Wizard. List of valid STN AnaVist Files and their DISPLAY cost estimates.
FIELD.COD	Field details for Tables and Reports. Contains one entry for every DISPLAY field name and field heading, e.g., TITLE, TI.
Journals.txt	List of Journals for the SDI TOC Wizard
lexicon.bt lexicon.mp lexicon.st	Updates to CA Lexicon.
Links.txt	Parsing rules for all hyperlinked DISPLAY fields such as patent information fields.
SGML.INI	For display of Tables and Reports.
SUFFIXES	Used for company name groupings
URL.INI	URLs used by STN Express

## ***What can I do if automatic updating of support files does not work?***

### **What is automatic updating?**

STN Express support files may be updated between STN Express software releases. The support files contain information used by the STN Express wizards, search aids, and post-processing tools. The information includes:

- The list of STN files and their characteristics
- The company name thesaurus used in the Analyze Plus Wizard
- The terms in the CA Lexicon used by the CA Lexicon Search Aid
- Information to identify fields in transcripts for the Table and Report tools

The updated support files are made available to STN Express V8.4 and newer via Automatic File Updates. The first time STN Express is run each day, it checks for updates to the support files. If new support files are found, a pop-up dialog provides the option of downloading and installing the files immediately or when STN Express closes.

Automatic updates may take from 15 seconds to several minutes depending upon:

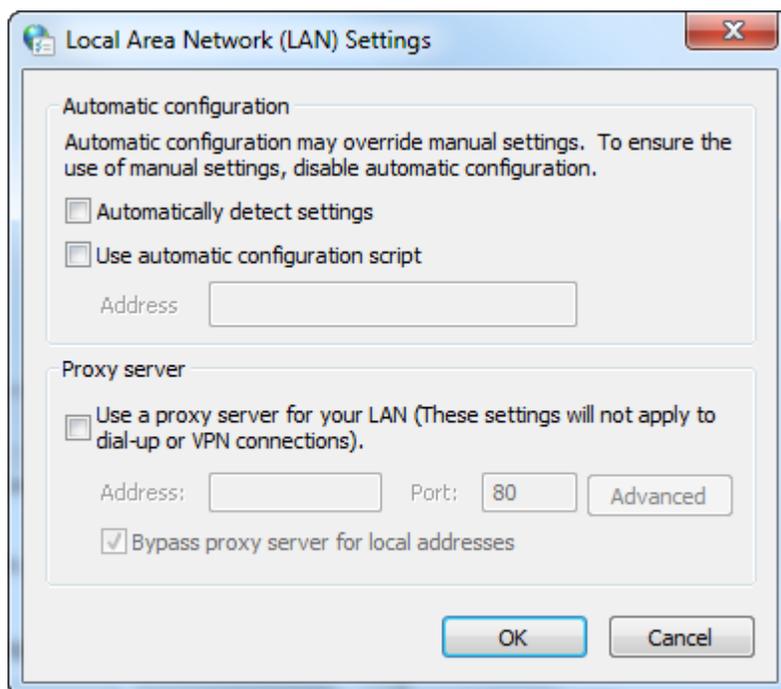
- Your Internet connection speed (bandwidth)
- Your computer processing speed
- The number of files available for automatic update

### **What can I do if automatic updating does not work?**

STN Express uses the HTTP protocol to check for updates and to download the updated support files. If automatic updating fails on your PC, it may be because of the proxy settings for your system or in STN Express.

#### ***Step 1: Check Your Proxy Configuration***

1. On your computer, click **Start > Control Panel > Internet Options**.
2. Click the **Connections** tab, and then click the **LAN settings** button.
3. If the options in the **Automatic configuration** section are:
  - **Not checked** – continue to *Step 3*
  - **One or both are checked** – contact your IT group to determine if they can both be unchecked. If the answer is:
    - **Yes** – uncheck all selections and continue to *Step 3*.
    - **No** – Ask your IT group if you can specify a **proxy server** and **port** in STN Express. Enter the values and continue to *Step 2*.



If one of the **Automatic configuration** options must be checked and you cannot specify a **proxy server** and **port**, automatic updating will not work. To prevent STN Express from attempting to do automatic updating, see [Turn Off Automatic Updating](#).

## Step 2: Change STN Express HTTP Proxy Settings

This option works only in STN Express 8.4

In STN Express 8.4, the HTTP Proxy Settings defined in the **BLAST** tab of the User Preferences overrides the Local Area Network (LAN) Settings.

1. Start STN Express, and then select **Setup > Preferences > STN Online and Results**.
2. Click the **BLAST**<sup>®</sup> tab and then enter the following information:
  - **Select type of firewall – HTTP**
  - **Proxy's Settings** – enter the **Host-name** (name or IP address) and **Server port** provided to you by your IT group

The screenshot shows the 'Preferences' dialog box with the 'BLAST' tab selected. The 'Select type of firewall' section has 'HTTP' selected. The 'Proxy Settings' section has 'Host-name' set to 'web-proxy-corp' and 'Server port' set to '80'. Other settings include 'Maximum number of alert result sets to keep per profile' set to 10, 'Max No. of concurrent Reports' set to 1, and 'Use wizard when getting STN Sequence or Reference records (not both) from BLAST' checked. There is an empty text field for 'E-mail address for CAS Registry BLAST Alerts' and an 'Update e-mail address on server' button. The 'OK' and 'Cancel' buttons are at the bottom.

3. Click **OK** to close the Preferences dialog box and save the settings.

If the automatic updating works, then you are done. If not, continue to *Step 3*.

### **Step 3: Turn off BLAST Proxy Settings**

In STN Express, version 8.4 only.

STN Express uses the *BLAST HTTP Proxy Settings* for automatic updating even if **Select type of firewall** is set to **None** or **Socks**. If either of these is selected, the **Host-name** and **Server port** are not displayed.

If necessary, remove any **Proxy Settings** values:

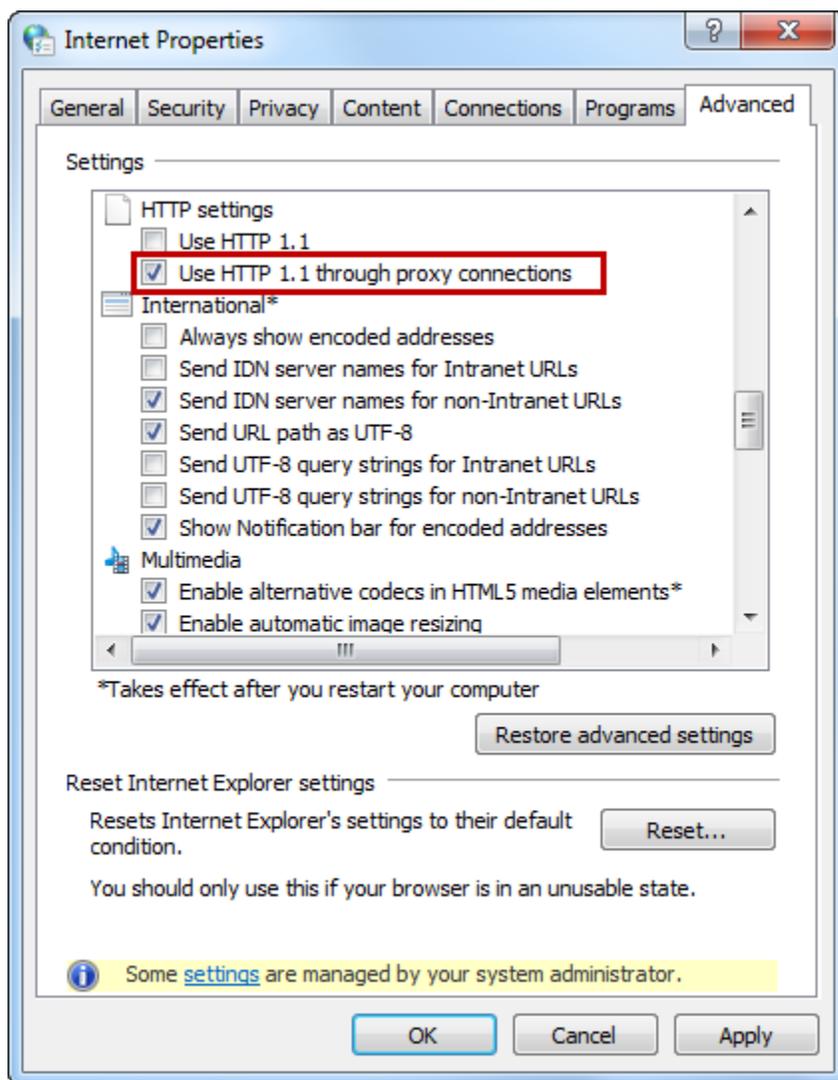
1. Choose **HTTP** for the *Select type of firewall*.
2. Remove any entries in the **Host-name** (name or IP address) and **Server port** locations.
3. Click **OK** to save these changes.
4. Open the user preferences to the **BLAST** tab again.
5. Choose **None** for the *Select type of firewall*.
6. Click **OK** to save this value.

If the automatic updating works, then you are done. If not, continue to *Step 4*.

### **Step 4: Use of HTTP 1.1**

If the proxy settings are correct and automatic updating still does not work, the version of HTTP used by your system may not be supported by the proxy server. HTTP 1.1 is preferred and is set using the Internet Options control panel.

1. On your computer, click **Start > Control Panel > Internet Options**.
2. Click the **Advanced** tab.
3. Navigate to the **HTTP settings** section, and then select **Use HTTP 1.1 through proxy connections**.



4. Click **OK** and try automatic updating again.

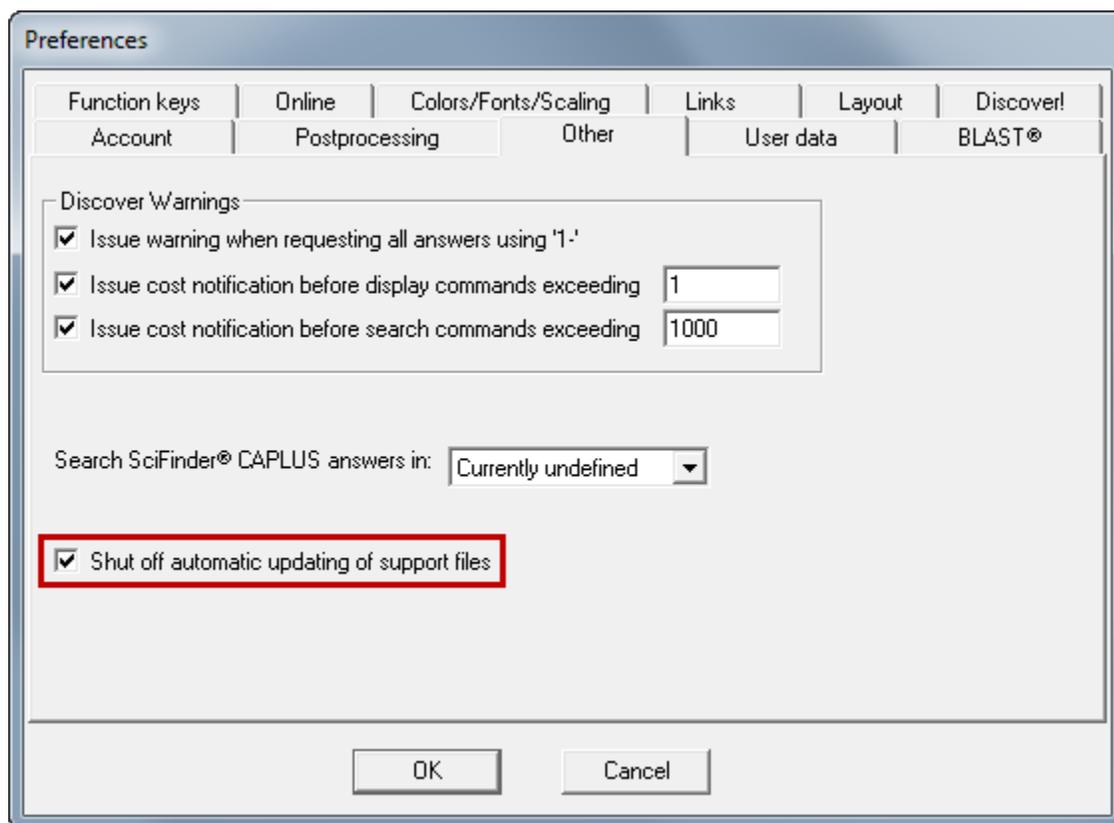
If the automatic updating works, then you are done.

If automatic updating does not work, do one of the following:

- Turn off automatic updating



- Start STN Express and click the **Prefs** icon on the main toolbar.
- Choose **STN Online and Results** from the drop-down menu.
- Click the **Other** tab.
- Check the option **Shut off automatic updating of support files**.



- Contact [CAS Customer Center](#) for additional assistance
- [Manually download the support files](#)

## How can I update STN Express support files manually?

### How are STN Express support files updated?

Starting with STN Express 8.4, the application checks for updated support files at log in. If updates are found, STN Express downloads and installs the new support files. If automatic updating has been disabled, you have two methods to manually update support files.

### Update using the EXE Method (STN Express 8.4 and newer versions):

If you have taken the default settings for user file location as My Documents, then the EXE (executable) file method is recommended. The installer will perform the update for you.

1. Exit your current session of STN Express.
2. Download the EXE file from the STN Express support site.
3. Run the executable file and respond to the prompts.
4. Restart STN Express. Support files will be updated at the first restart of STN Express.

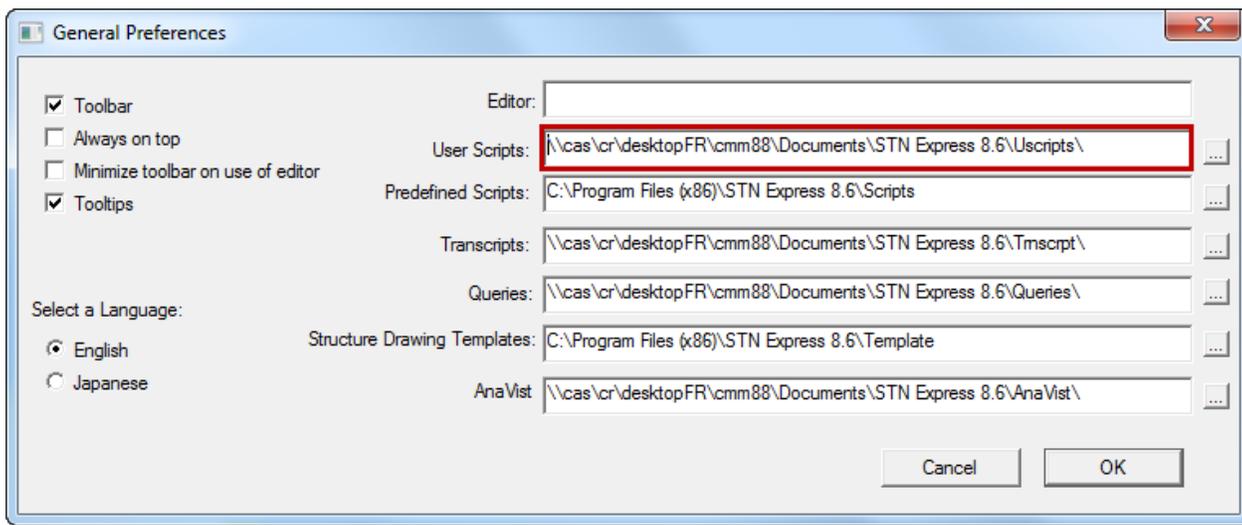
### Update using the ZIP File Method (STN Express 8.4 and newer versions only):

This method requires a hands-on user for those with non-default locations for user file folders.

1. Download the ZIP file from the STN Express support site.
2. The contents of the ZIP file need to be placed in the \Data folder of your STN Express installation. For versions 8.4 and newer, that is generally in your **My Documents** folder in Windows XP or in the **Documents** folder for newer operating systems.



- a. Start STN Express, and then click the **Prefs** icon on the main toolbar.
- b. Choose **General** from the drop-down menu.
- c. The path listed in **User Scripts** can be used to navigate to your \Data folder.



1. Click **OK**, and then close STN Express.
3. Unzip the files
  - a. Use WinZip or any other file extraction tool compatible with WinZip files.
  - b. Extract the zipped files into the **Data** folder and accept over-writing files with the same name.

In the example shown, the path would be:

**\\cas\cr\desktopFR\cmm88\Documents\STN Express 8.6\Data**

This system uses Windows 7 folder redirection.

Your path without folder redirection may be:

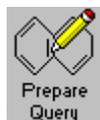
**C:\Users\cmm88\Documents\STN Express 8.6\Data**

4. Restart STN Express.

## How can I import a mol file?

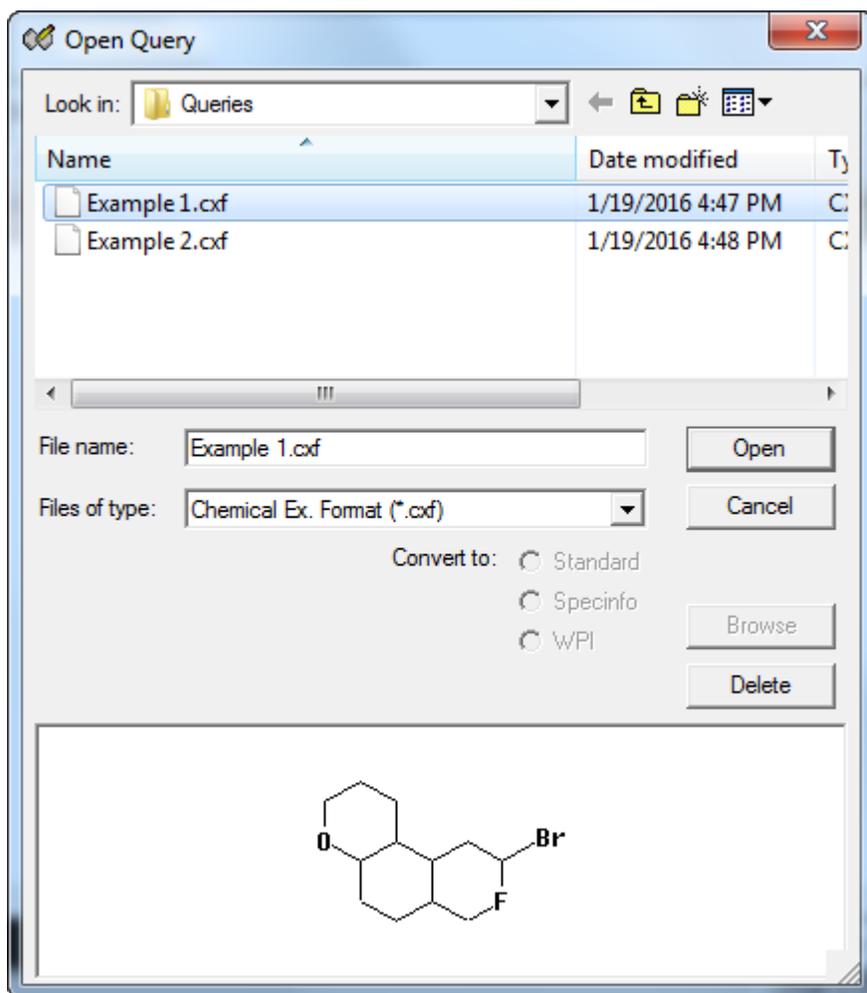
The STN Express structure drawing tool will open structure files in a variety of formats:

- **\*.cxf** - Chemical Exchange Format
- **\*.drc** – DARC Format
- **\*.mol** – MDL Molfile
- **\*.rxn** – MDL Reaction
- **\*.smd** – SMD Format
- **\*.alc** – Alchemy Molfile



1. Open STN Express and click the **Prepare Query** icon.
2. In the Structure Drawing window, click **File > Open**.
3. Select the desired input format from the **Files of type** drop-down list.
4. Select the file of interest.
5. Click the radio button for the desired target format under **Convert to**.
6. Click **Open**.

The converted structure will be opened in a new Untitled window. The original structure file will not be changed.

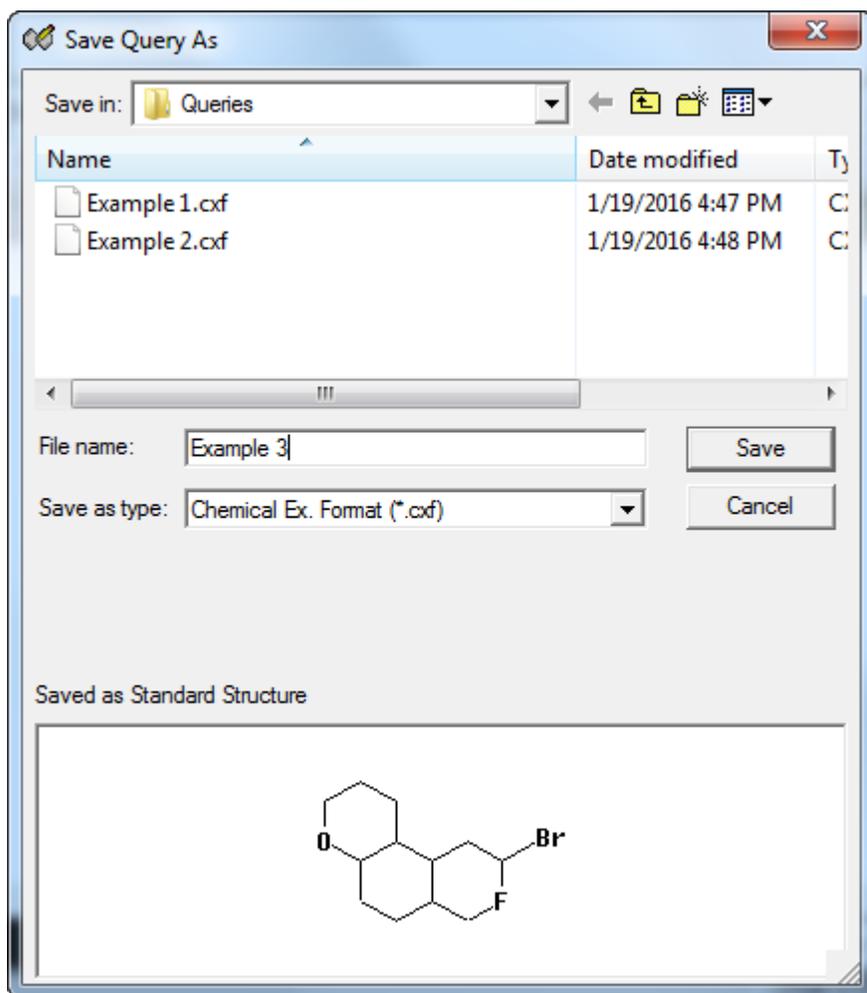


Because of differing conventions, information may be lost in converting from one file type to another. Always verify the results of the conversion.

## How can I save a query as a mol file?

The STN Express structure drawing tool will save structure queries in a variety of formats:

- **\*.cxf** - Chemical Exchange Format
  - **\*.drc** – DARC Format
  - **\*.mol** – MDL Molfile
  - **\*.rxn** – MDL Reaction
  - **\*.smd** – SMD Format
  - **\*.smi** – SMILES Format
  - **\*.wmf** – Windows Metafile
1. In the Structure Drawing window, click **File > Save As**.
  2. Enter a name into the **File name** location.
  3. Select the desired input format from the **Files of type** drop-down list.
  4. Click **Save**.

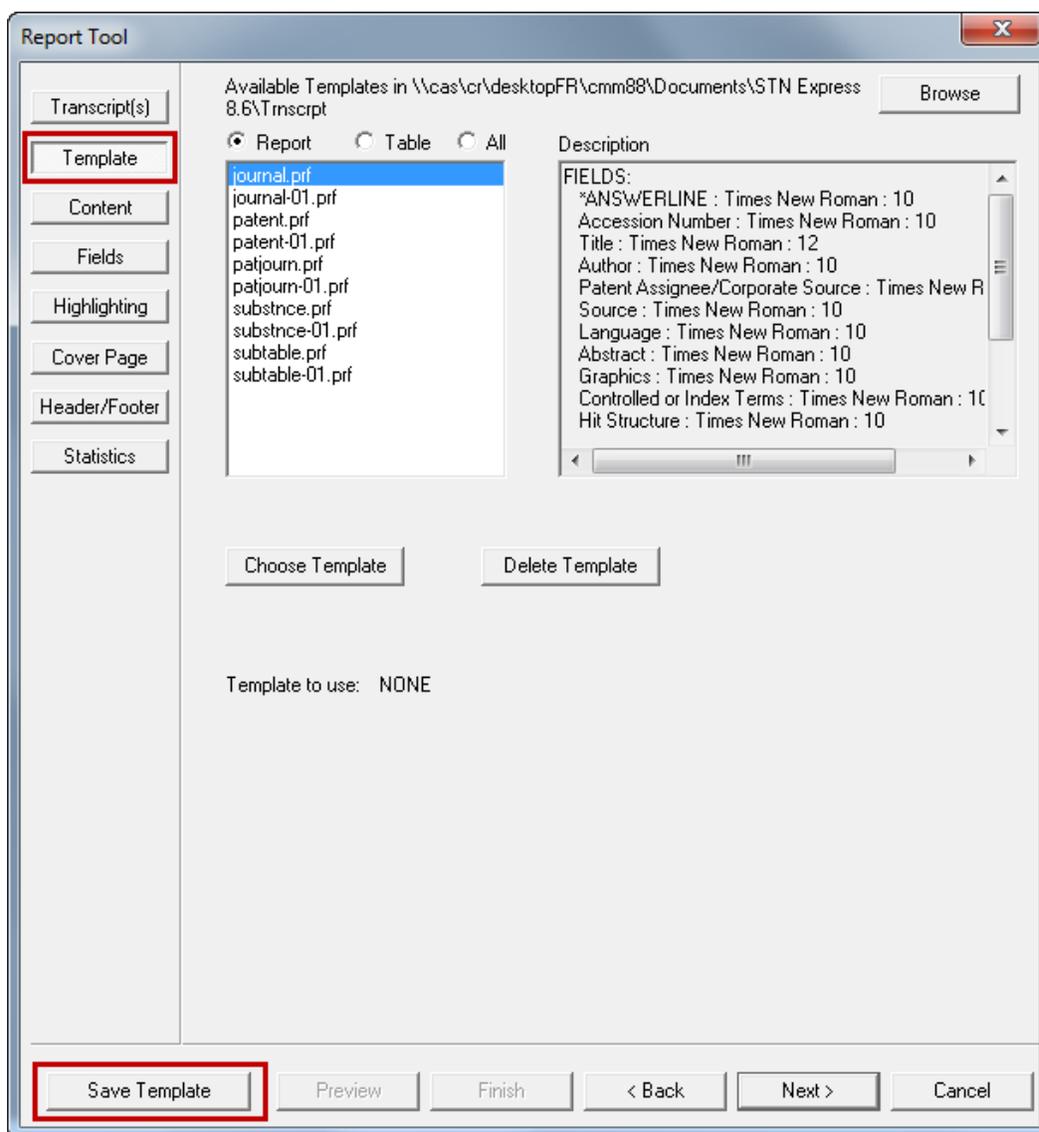


Because of differing conventions, information may be lost in converting from one file type to another. Always verify the results of the conversion.

## How can I preserve formatting of my table or report for future use?

The STN Table and Report tool allows you to customize a table or report. Use the **Save Template** feature to save the format.

Set the combination of fields, formatting, and features that you want, and then click the **Save Template** button in the Report Tool or Table Tool window. A file chooser opens where you can enter a name for the template prior to saving.



To use the template when creating a new report, click the **Template** button, select the desired template, and then click the **Choose Template** button.

## What does the "Remove duplicate fields within an answer" option do in the Table or Report Tool?

Click the **Fields** button in the STN Express **Table Tool** or **Report Tool** window to access the *Remove duplicate fields within an answer* option. If the option is:

- **Unchecked** – the option is disabled (off)

If a display contains multiple instances of a field, STN Express will collect all of the values into a single cell (in a **Table**) or under a single heading (**Report**). For example, if a Registry record has multiple CN (Chemical Name) fields, all of the Chemical Names will be listed together.

The Table or Report tool will do the same thing if a record contains fields which the Table or Report tool considers to be equivalent. For example, if a record contains the TI, TIEN, and TIJP fields, the values of those fields will be listed together.

- **Checked** – the option is enabled (on)

When *Remove duplicate fields within an answer* option is turned enabled, the Table or Report tool collects the related field values, as described above, and removes duplicate values within each collection of values.

### Example

A record contains the following fields:

**TI Printing System. TIEN Printing System. TIDE Drucksystem.  
TIFR Systeme d'impression.**

- *Remove duplicate fields within an answer* is disabled (off), the Report contains all four field values:

#### **Title**

**Printing System.**

**Printing System. Drucksystem.**

**Systeme d'impression.**

- *Remove duplicate fields within an answer* is enabled (on), the Report does not contain duplicate values:

#### **Title**

**Printing System. Drucksystem.**

**Systeme d'impression.**

Review the steps above. If you need assistance, contact your STN Service Center.

## What special features does the Table Tool or Report Tool have for patent information?

The STN Express Table or Report tool formats fields from any STN file. Several fields containing patent information have special formatting options.

### Patent Information Fields

Several fields contain information about patents displayed in a table format. The columns of each table contain specific data values, such as *Patent Number*, *Kind Code*, and *Date*. The rows in each table represent individual documents, such as *patents* or *patent applications*.

### Formatting Options

The Table or Report tool formats these fields either as a table or as the individual data items extracted from the table. The field name you choose in the **Fields** section of the Table or Report tool determines how the data is formatted:

Field Label in Display	Select This Field Name To . . .	
	Format as Table	Format Individual Items
<b>AI</b>	Application Information	Individual AI
<b>PI</b>	Patent Information	Individual PI
<b>PRAI</b>	Priority Application Information	Individual PRAI

When any of these fields is moved to the **Selected Fields** column and highlighted, two additional tabs appear in the formatting options section. These tabs allow you to select the data (rows and columns) to be included in the table or report.

1. Columns (data values) are chosen on the **Subfields** tab.
2. Rows (documents) are chosen on the **Other** tab.

### Choosing Documents on the Other Tab

On the **Other** tab, you specify the maximum number of rows to display in each answer. Within that limit, you select the specific countries to include.

1. Maximum number of rows per answer
  - a. The **Only first nn** or **Maximum...rows per answer** options will set an upper limit on the number of documents to be included in each answer.
  - b. The **All** option (when available) will include all of the documents (no upper limit)
2. **Selected countries** lets you select the countries for which patent information will be included. The list will contain all countries included in the current transcript.
  - a. Selecting **"All Countries"** will include all countries in the list
  - b. To select individual countries, hold down the Control (Ctrl) key while clicking on the countries to include.



### ***General Rule***

Before using an STN Express report template, we recommend that you review the options selected to ensure they are appropriate for the task.

## What can I do if structure diagrams don't appear in my transcripts?

Depending on your preference, STN Express captures transcripts in its native .trn format or in Rich Text Format (.rtf). This document applies to .trn transcripts. If chemical structure diagrams are missing from a transcript that was captured as RTF, contact [CAS Customer Center](#).

STN Express transcripts that contain structure diagrams are stored in two files. One file, with a .trn extension, contains the text of the transcript. The other file, with a .gra extension, contains the graphic (structure diagrams) part of the transcript. You provide the name for the files when the transcript is created. For example, if you name the transcript *registry.trn*, then *registry.trn* contains the text part of the transcript, and the file *registry.gra* contains the structure diagrams for the transcript.

### View and print structures in Browse Transcript

The STN Express Browse Transcript feature knows how to combine the text and graphics transcript files and display them as one. If there are structure diagrams in your transcript, you'll be able to see them using Browse Transcript. Also, if you see structures while browsing, they'll be printed when you print from Browse Transcript.

### Structures in STN Edit

If you edit a transcript using the built-in STN Express text editor or any other text editor, no structures are visible. Instead, in the place where a structure diagram should appear, there is a reference to the .gra file.

#### For example:

```
=> d l1
L1   ANSWER 1   REGISTRY   COPYRIGHT 1998 ACSRN   168023-31-2
REGISTRY
/ Structure 1 in file .gra / Do not modify this line!
```

The text editor does not know how to combine the two transcript files, and only the text is displayed. Because no structures are visible, if you print the transcript from STN Edit no structures are printed.

## Why might the chemical structure diagrams be missing from STN Express .trn transcripts?

The chemical structure diagrams will not show up in the .trn transcript if:

- The text and graphics files do not have the same name (except for the .trn and .gra extensions)
- The text (.trn) and graphics (.gra) files are not in the same folder
- The references to the .gra file were changed in the .trn file

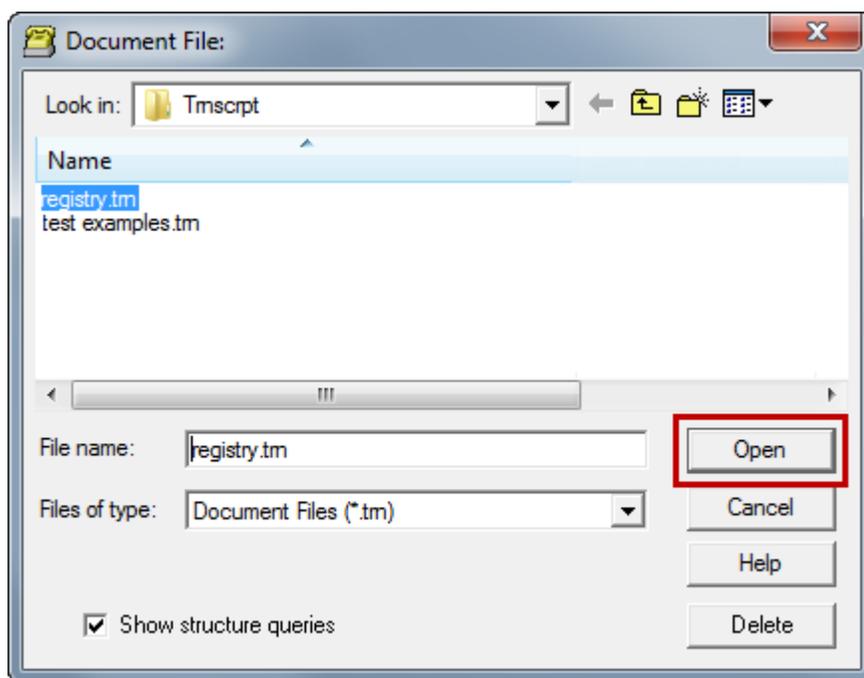
## How can I get transcripts and structure diagrams into a single file?

### Exporting transcripts with structures

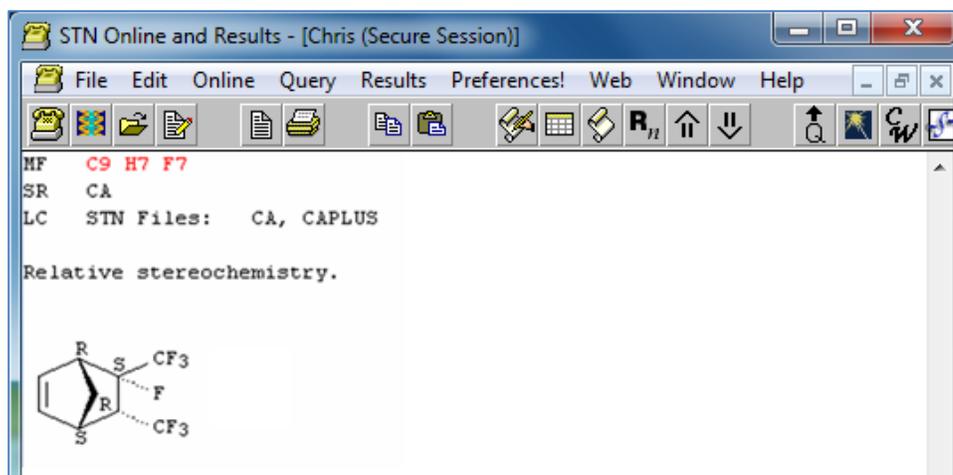
To get a transcript and the associated structure diagrams into a single file, use the STN Express **Save As** feature to save the transcript as an RTF (Rich Text Format) file. This will allow you to view and edit the transcript, with structure diagrams, in your word processor.



1. Click the **Browse Document** icon on the main toolbar.
2. Choose the transcript of interest, and then click **Open**. (The name of the most recently used transcript is automatically selected.)

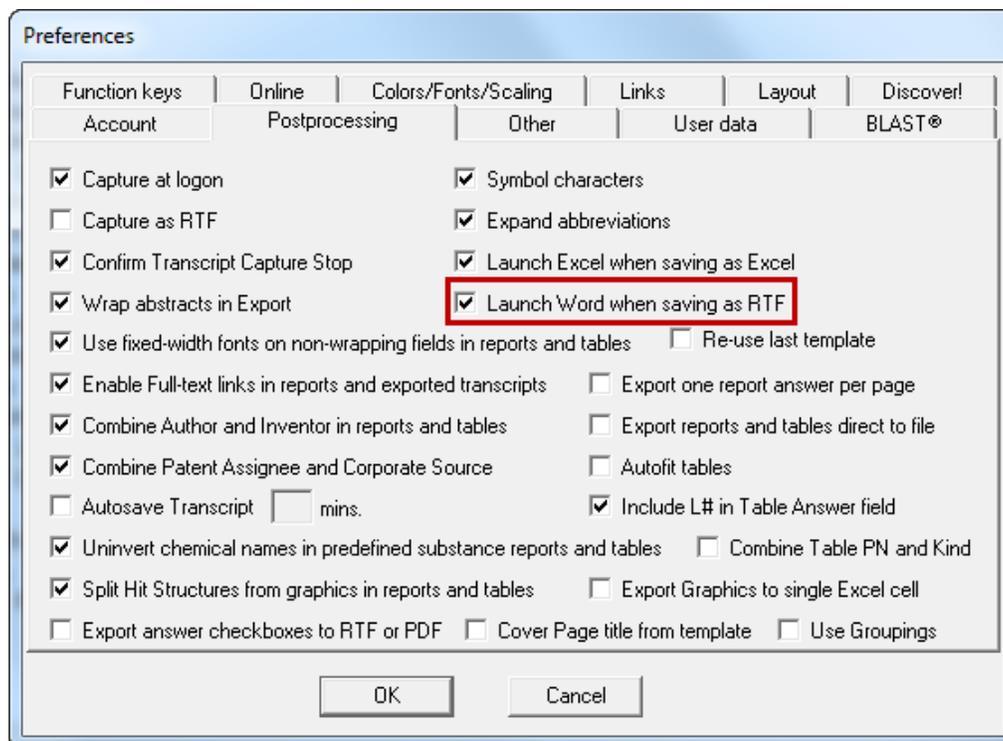


3. Review the transcript. Make sure the transcript contains the expected information and that structure diagrams are present.



4. To create the new document, click **File > Save As**.
5. Navigate to the folder where you will save the file, and then type the name of the new document into the File name box (or accept the default name).
6. Click **Save**.

When the transcript is exported successfully, your word processor opens or a message is displayed, depending on the selections defined in the system Preferences.



7. Click **OK** at the <>.rtf created successfully system prompt.

### What if there are still no structures in the transcript?

- Are structure diagrams displayed when **Browse Transcript** is used to view the .trn version of the transcript? If they are not, see the FAQ on what to do if structure diagrams are missing from your transcripts.
- Were there error messages from the export transcript process?
- In Microsoft Word, there is a preference that replaces images with placeholders. Click **Tools > Options**, and then select the **View** tab. Be sure that the **Picture placeholders** option is unchecked.

If you have any questions about viewing chemical structure diagrams in an STN Express transcript, contact [CAS Customer Center](#).

## How can I save my answers for import into Endnote or Reference Manager?

Answers with bibliographic information obtained within STN Express may be saved into a text formatted file that can be used as a source for importing bibliographic and other information into the most frequently used bibliographic management programs.

Answers must be saved in a particular format of a text file known as **Tagged Text**. That format has the field names in a left column in the file followed by a space or a tab character, and then the field information.

### Examples:

Figure 1 - Example Tagged Text File – 2-Letter Field Codes

```
L3 ANSWER 1 OF 219 ZCAPLUS COPYRIGHT 2008 ACS on STN
AN 2008:22035 ZCAPLUS Full-text
TI Efficacy of intravenous methoxy polyethylene glycol-epoetin beta
administered every 2 weeks compared with epoetin administered 3 times
weekly in patients treated by hemodialysis or peritoneal dialysis: a
randomized trial
AU Klinger, Marian; Arias, Manuel; Vargemezis, Vassilis; Besarab, Anatole;
Sulowicz, Wladyslaw; Gerntholtz, Trevor; Ciechanowski, Kazimierz;
Dougherty, Frank C.; Beyer, Ulrich
CS Department of Nephrology and Transplantation Medicine, Medical University,
Wroclaw, Pol.
SO American Journal of Kidney Diseases (2007), 50(6), 989-1000
CODEN: AJKDDP; ISSN: 0272-6386
PB Elsevier
DT Journal
LA English
```

Figure 2 - Example - Tagged Text File - Full Field Codes

```
L3 ANSWER 11 OF 220 ZCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:1358958 ZCAPLUS Full-text
TITLE: Pharmacokinetic and pharmacodynamic properties of
methoxy polyethylene glycol-epoetin beta are
unaffected by the site of subcutaneous administration
AUTHOR(S): Fishbane, Steven; Pannier, Anne; Liogier, Xavier;
Jordan, Paul; Dougherty, Frank C.; Reigner, Bruno
CORPORATE SOURCE: Winthrop University Hospital, Mineola, NY, USA
SOURCE: Journal of Clinical Pharmacology (2007), 47(11),
1390-1397
CODEN: JCPCBR; ISSN: 0091-2700
PUBLISHER: Sage Publications
DOCUMENT TYPE: Journal
LANGUAGE: English
AB C.E.R.A. (methoxy polyethylene glycol-epoetin beta), a continuous
erythropoietin receptor activator, differs from traditional
erythropoiesis-stimulating agents in its pharmacokinetic and receptor
binding properties. This phase I, randomized, open-label, single-center,
```

The bibliographic information managers all have import filters that can perform field mapping of the data, using that file type, from the tagged text file into the bibliographic program database.

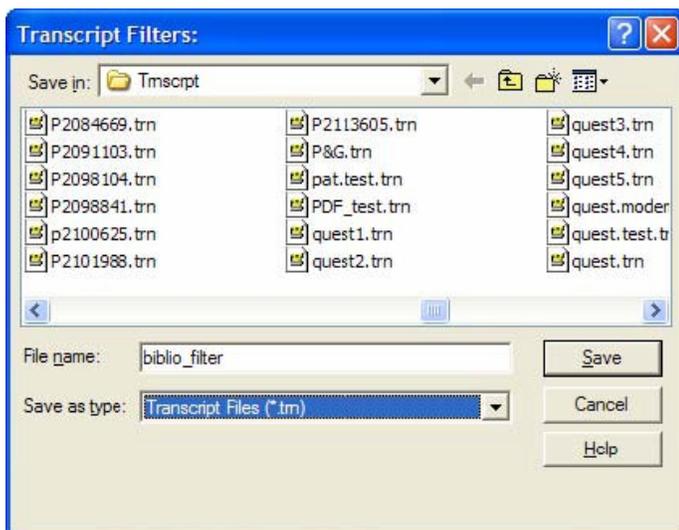
- Filters for STN – CAS are supplied with each of the cited programs.
- Each program has a built-in filter editor that may be used to customize the field mapping.
- EndNote and Reference Manager technical support will provide assistance with using, creating and editing filters for their respective software programs.

This guide provides a method for generating a suitable Tagged Text import file from STN Express.

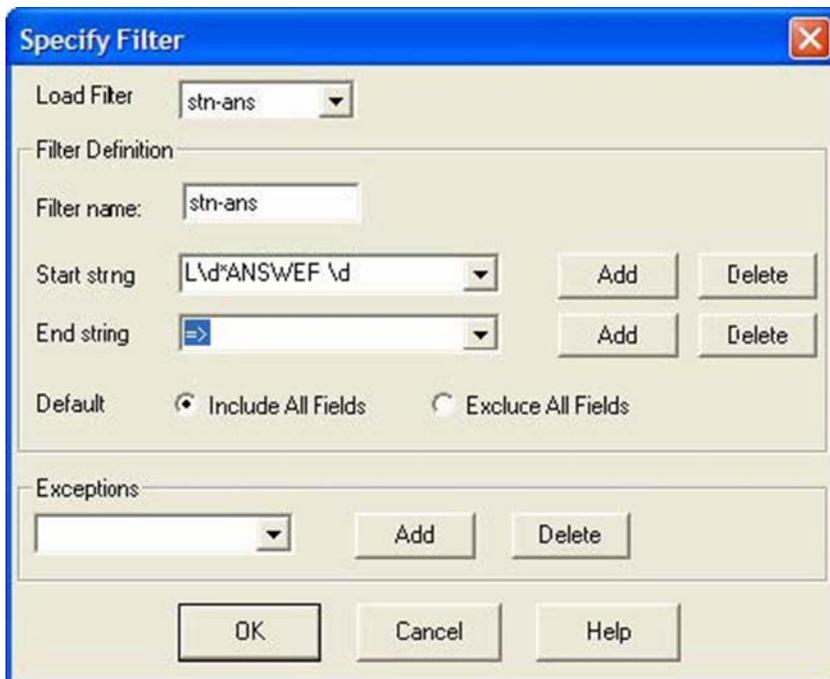
<b>Choose Transcript Type</b>	When prompted for a transcript file, use the STN Express, native *.trn file format. You may capture a transcript from the beginning of the session or toggle capture ON later.
<b>Display</b>	<p>There are several display formats that lend themselves to conversion into Tagged Text files. For example:</p> <ul style="list-style-type: none"> <li>• BIB or BIB ABS, if you want the abstract: This format uses 2-letter field identifiers. See Figure 1, above.</li> <li>• IBIB or IBIB ABS: this format uses the full field identifiers, such as TITLE:, AUTHOR(S): See Figure 2, above.</li> <li>• DALL: This is the ALL format, delimited for post- processing</li> </ul> <p>None of the compressed formats, e.g., CBIB will work. Field codes must start each line and each line must be a separate unit:</p> <p>Field Code – separator – Field Data</p> <p>Most STN bibliographic import filters are constructed using the <i>Two-Letter</i> field codes, but you can edit the filter to use full fields or create a new filter for Full Field Names.</p>
<b>Browse Transcript and Apply Filter</b>	STN Express has several transcript file filters; the ANS (Answers) filter will process a raw transcript file and strip out non-answer data. The output of the filter process will be a “clean” file (see Figure 1, for example), yielding a file that is ideal for import processing. See the following page for detailed steps.

### Filtering Transcripts:

1. Click **Browse Transcript** to open the transcript file.
2. In the STN Online and Results window menu, select **File > Transcript filters**, enter a new file name, and then click **Save**.



3. Use the following **Specify Filter** settings:



4. Click **OK** to run the filter process and save the filtered file.
5. Click **OK** at the <>.trn created successfully system prompt.

6. Select **Browse Transcript** or **Edit Transcript** to view or edit the new filtered file.

```
biblio_filter.trn
L3 ANSWER 3 OF 219 ZCAPLUS COPYRIGHT 2008 ACS on STN
AN 2007:1438170 ZCAPLUS Full-text
DN 148:62282
TI Protein isolated from biopharmaceutical formulations cannot be used for
comparative studies: follow-up to "a case study using epoetin alfa from
Epogen and EPREX"
AU Heavner, G. A.; Arakawa, T.; Philo, J. S.; Calmann, M. A.; Labrenz, S.
CS Centocor R and D, Radnor, PA, 19087, USA
SO Journal of Pharmaceutical Sciences (2007), 96(12), 3214-3225
CODEN: JPMSAE; ISSN: 0022-3549
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

### Convert Transcript to a Text file:

Use one of the following two methods to convert the transcript to a text file:

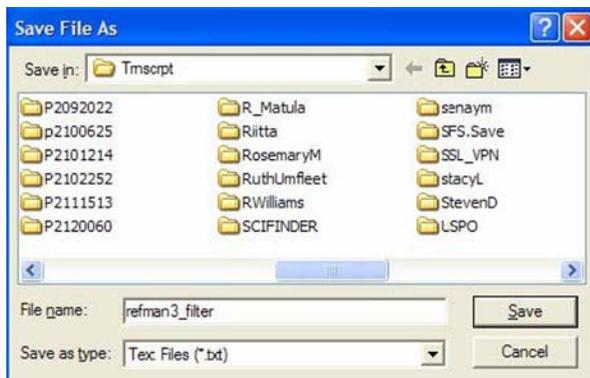
#### Method A: EDIT TRANSCRIPT

The filtered transcript file will still contain a header line,

```
$$%^STN;HighlightOn= ***;HighlightOff=*** ;Version = STN Express 8.x
```

The import filter will generally ignore that line; however, it can be removed using Edit Transcript.

1. Open the file in Edit Transcript.
2. Perform any desired edits.
3. Click **File > Save As** from the STNedit window menu.
4. Navigate to the folder where you will save the file, and then type the name of the new document into the File name box.
5. Choose **Text Files (\*.txt)** as the Save as type.



6. Click **Save**.

## Method B: BROWSE TRANSCRIPT

1. If you have the file open in STN Express, save the file and close the Browse Transcript window.
2. Using Windows Explorer, locate the saved file.
3. Edit the file extension from **.trn** (Transcript) to **.txt** (plain ASCII text).

The file is now ready for use as an import file in:

- EndNote
- Reference Manager

At this juncture the file may be opened and edited in any text-based program, such as WordPad, NotePad or Microsoft Word if further editing or refinement is needed.

If you experience problems during the import process or if you need assistance with import filter editing, please contact the technical support team for your bibliographic management program.

EndNote: <http://endnote.com/support>

Reference Manager: <http://refman.com/>

## How do I move my STN Express files and settings to a new computer?

To migrate your STN Express logon setups, queries, or transcripts to a new computer, use the following process:

### Organize the information on your current computer

If your current computer is running STN Express V8.2 or earlier, install the current version of STN Express. This will copy the important files to the locations used by the current version of STN Express, which will make it much easier to copy them to your new PC.

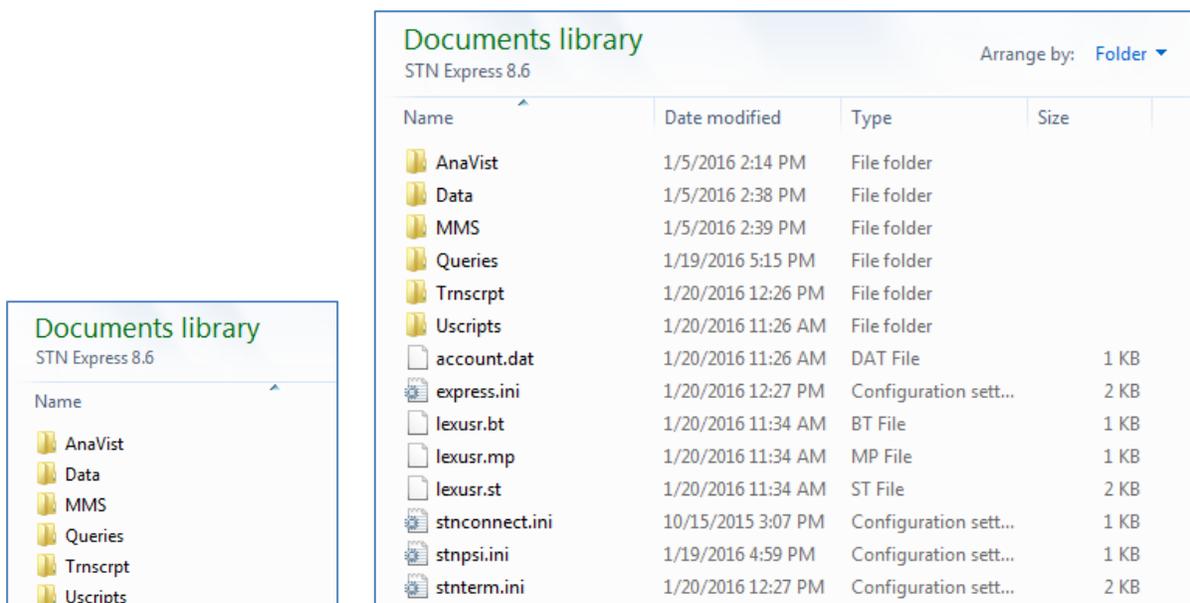
You can skip this step if your current computer is already running STN Express V8.4 or later.

### Install the current version of STN Express on your new computer

This will give you the most current features of STN Express.

### Copy the important files to your new computer

1. On your current computer, locate the **STN Express** folder in the Documents library (use the most current version of the application). Select all the files and folders in this location.
2. On your new computer, locate the folder Documents library containing the STN Express files. Copy the files and folders selected in Step 1 to this folder, replacing any duplicates.



The screenshot displays the Windows Documents library for STN Express 8.6. It shows a list of folders and files with their respective dates, times, and sizes. The folders include AnaVist, Data, MMS, Queries, Trnscript, and Uscripts. The files include account.dat, express.ini, lexusr.bt, lexusr.mp, lexusr.st, stnconnect.ini, stnpsi.ini, and stnterm.ini.

Name	Date modified	Type	Size
AnaVist	1/5/2016 2:14 PM	File folder	
Data	1/5/2016 2:38 PM	File folder	
MMS	1/5/2016 2:39 PM	File folder	
Queries	1/19/2016 5:15 PM	File folder	
Trnscript	1/20/2016 12:26 PM	File folder	
Uscripts	1/20/2016 11:26 AM	File folder	
account.dat	1/20/2016 11:26 AM	DAT File	1 KB
express.ini	1/20/2016 12:27 PM	Configuration sett...	2 KB
lexusr.bt	1/20/2016 11:34 AM	BT File	1 KB
lexusr.mp	1/20/2016 11:34 AM	MP File	1 KB
lexusr.st	1/20/2016 11:34 AM	ST File	2 KB
stnconnect.ini	10/15/2015 3:07 PM	Configuration sett...	1 KB
stnpsi.ini	1/19/2016 4:59 PM	Configuration sett...	1 KB
stnterm.ini	1/20/2016 12:27 PM	Configuration sett...	2 KB

If you cannot copy files and folders directly from your current computer to your new computer, copy them to an intermediate location (network storage, CD, DVD or flash drive) first. Then copy them to your new computer.