IBM Sterling Connect:Enterprise Secure Client Version 1.4.00

Release Notes

This edition applies to the 1.4 Version of IBM® Sterling Connect:Enterprise® Secure Client and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in *Notices* on page 17.

Contents

IBM Sterling Connect:Enterprise Secure Client Version 1.4.00 Release Notes

The *IBM Sterling Connect:Enterprise Secure Client Version 1.4.00 Release Notes* document supplements IBM® Sterling Connect:Enterprise® Secure Client version 1.4 documentation. Release notes are updated with each release of the product and contain last-minute changes and product requirements, as well as other information pertinent to installing and implementing Sterling Connect:Enterprise Secure Client. Read the document in its entirety before installation.

The Sterling Connect:Enterprise Secure Client package consists of the distribution media and product publications.

Product Requirements

Sterling Connect:Enterprise Secure Client has the following requirements:

Component or Functionality	Hardware	Software	RAM (min.) 512 MB	Disk Space (min.) 50 MB
Sterling Connect:Enterprise Secure Client	Microsoft TCP/IP WinSOCK interface	Microsoft Windows operating system options: ◆ MIcrosoft Windows 7 ◆ Microsoft Windows 2008 ◆ Microsoft Windows 2003 ◆ Microsoft Windows XP SP2 IBM JRE version 1.6, included with the product		

Component or Functionality	Hardware	Software	RAM (min.)	Disk Space (min.)
	TCP/IP and Berkeley Software Distribution (BSD), BSD compatible or sockets	UNIX operating system options: ◆ AIX version 6.1 and 7.1 ◆ Solaris version 10 and 11 ◆ HP-UX version 11.11 and 11.31 on a RISC system ◆ Linux Red Hat Enterprise Advanced Server 5.0 and 6.0 on an Intel pentium system ◆ SUSE Linux Enterprise Server version SLES 10 and 11 on an Intel pentium system Java Runtime Environment (JRE) version 1.6, included with the product.	512 MB	100 MB

Note: For all operating systems, ensure that you have downloaded the latest patches to ensure optimal performance.

Features and Enhancements

Sterling Connect:Enterprise Secure Client version 1.4.00 has the following features and enhancements:

Version	Enhancement
1.4.00	Added a new SSH toolkit to improve performance.
	Added installation log for Microsoft Windows.
	Validation of the FTP/SSL keycert passphrase when it is defined in the GUI.
1.3.03 (Microsoft Windows only)	Support for 64-bit Batch ID.
	Repackaged with Java 1.6.

Version	Enhancement
1.3.02	Repackaged with Java 1.4.2_12 for 2007 Daylight Savings Time compliance.
1.3.01	Upgraded the version of Java Runtime Environment included with the product to version 1.4.2_10.
1.3.00	Support for the GET, PUT, and PROPFIND functions for the Web-based Distributed Authoring and Versioning (WebDAV) server and Open WebDAV, a public domain implementation.
	Improved access to logging information and field-level Help. The lower portion of the Sterling Connect:Enterprise Secure Client screen allows you to view field-level Help or logging information across the width of the screen, making more information visible.

Special Considerations

This section contains considerations in addition to the procedures contained in this document and the other Sterling Connect:Enterprise Secure Client documents. Refer to the following notes before installing the product.

✦ If less memory is available than required for the Sterling Connect:Enterprise Secure Client, it may take longer to start or stop the Scheduler than the User Interface takes to refresh. In this case, the user interface may not show the correct status of the Scheduler. Click **Start** or **Stop** again to refresh the Scheduler status.

✦ On some UNIX systems, if there is not enough available memory or swap space, the **Execute Command Before Transfer** and **Execute Command After Transfer** fields will not work.

If you encounter this issue suddenly after many successful scheduled transfers, stop and restart the Scheduler. Refer to *Starting the Scheduler* and *Stopping the Scheduler* in the Help for instructions.

For a permanent fix, increase the amount of system resources either by increasing the swap space or adding memory.

✦ If you experience Java out-of-memory errors, you may need to edit the SecureClient.lax file in the install directory to enable the application to use more memory. You can edit this file and increase the following setting:

```
LAX.NL.JAVA.OPTION.JAVA.HEAP.SIZE.MAX=512m
```

The default value is 512 MB. Any changes take effect when you restart all components of the application.

✦ If you run more than one instance of Sterling Connect:Enterprise Secure Client on the same host, be sure to select a different port for the Scheduler daemon. Additionally, if the application is not shut down properly, you can get an error message stating that another instance is running. If this happens and there are no instances of Sterling Connect:Enterprise Secure Client running, you must delete the .uilock file from the installation directory.

✦ If you are running Sterling Connect:Enterprise Secure Client on a Linux system, approximately 20 Java processes start when Sterling Connect:Enterprise Secure Client is started. This is normal and due to the Linux thread support architecture.

✦ When you are sending, receiving, or listing multiple times to an IBM® Sterling Connect:Enterprise® for z/OS® or IBM® Sterling Connect:Enterprise@ for UNIX server, the server may hang until the server's operating system releases the port. If this is a concern, you can increase the timeout values for the client. It should be high enough so that the connection with the client is not broken. The default value is 10 seconds.

✦ Due to a Java issue, you are not prompted to name a folder when you create a new folder from a browse window in Sterling Connect:Enterprise Secure Client. If you create a new folder, the folder is automatically named New Folder and displayed in the list. You may want to create new folders outside of Sterling Connect:Enterprise Secure Client.

✦ If you stop the Scheduler daemon and it is processing a job, the Scheduler daemon will not stop completely until it finishes processing the job. It is recommended that you stop any schedules that are running before you stop the Scheduler daemon.

✦ When you transfer a text file in ASCII mode between different operating systems, the file size may change because of the record separators used with each operating system. This is normal behavior for ASCII mode and does not indicate any loss of data.

For example, if a Microsoft Windows ASCII file is transferred to an FTP server on UNIX, the carriage returns are removed, so the size of the file decreases. If a UNIX file is sent to an FTP server on a Microsoft Windows platform, carriage returns are added, so the size of the file increases.

> **Note:** The change in file size does not occur if you use binary mode to transfer a text file.

✦ Downloading a file on a UNIX system requires that the file be downloaded to the same location where the Sterling Connect:Enterprise Secure Client client is installed. This is not required for a Microsoft Windows download.

Installation Notes

Before you install Sterling Connect:Enterprise Secure Client, read all the information in this section and follow the guidelines.

✦ If you installed a demonstration version, uninstall it before installing the purchased version.

✦ If you are upgrading from a previous version, shut down the application and the Scheduler before running the installation script.

✦ Review *IBM Sterling Connect:Enterprise Secure Client Version 1.4.00 Release Notes* for last-minute product information and pre-installation tasks.

✦ Complete any worksheets prior to installing Sterling Connect:Enterprise Secure Client.

✦ Review your security configuration to ensure compatibility with Sterling Connect:Enterprise Secure Client before proceeding with the installation.

✦ Verify that you have the current updates for Sterling Connect:Enterprise Secure Client. Access current update information, including instructions for applying updates containing product fixes and enhancements, from the product support Web site at https://cn.sterlingcommerce.com/.

Upgrading to Sterling Connect:Enterprise Secure Client Version 1.4.00

If you are upgrading from an existing version of the Sterling Connect:Enterprise Secure Client application, observe the following guidelines:

✦ If you are upgrading from a of the Secure Client previous to 1.4.00 and you were using the SSH protocol, please note that the SSH keys generated by the previous version are not compatible with the new version. Examine your SSH sites for the following problems:

Problem	Action
Server Public Key stored in the wrong format	Examine your SSH site definitions using the edit button. In the SSH Security tab, click View for the Server Public Key file. The key should start with "ssh-rsa" or "ssh-dss", which is the OpenSSH format. If the key is not in the OpenSSH format, you must remove the key and reconnect to the site to get a key in the correct format.
SSH Private Key in the wrong format	If the "User Key" and the "Use System Keys" options are selected for the SSH site and you have a Public Key and Private key file from a pre-1.4.00 release, they will not work with the 1.4.00 release and greater. You must remove these keys and generate a new Private/Public key pair using SSH KeyGen utility. This is found at the top of the screen by navigating to Tools->SSH Key Admin->Generate SSH Keys. For the Key output file, browse to the <Installation Directory>\conf\ssh\ssh_site\<site_name> and specify a filename of private_key. Supply a passphrase for the private key and press Generate and then Close. Back in the site edit dialog, for the Private Key field, browse to the same location and filename. Specify the passphrase and confirm and press Save. The Public Key field is not required. You must notify the remote site that you will be connecting with a new public key, and possibly supply the public key to them via some other method, such as an e-mail attachment. The public key is in the same directory that the private_key was generated and is called private_key.pub.

✦ The Site Type parameter was introduced in Sterling Connect:Enterprise Secure Client version 1.2. If you are upgrading from a version prior to version 1.2, edit all existing site configuration

files and add the site type parameter for each Site Type, after you perform the upgrade. Following is a list of the parameters for each site type:

Site Type	Parameter
Standard FTP Server or Sterling B2B FTP Server	ftp_server
IBM® Sterling Information Broker server	sib_server
Standard SSH Server or Sterling B2B SSH Server	ssh_server
Sterling Connect:Enterprise FTP Server	ce_ftp_server
Sterling Connect:Enterprise SSH Server	ce_ssh_server
WebDAV HTTP Server or Sterling B2B WebDAV Server	webdav_server

Following is an example of the parameter to add to update a Standard FTP Server configuration file. The added parameter is identified in bold font:

```
<ftp_site_name>
remote.ftp.server
</ftp_site_name>
<ftp_site_type>
ftp_server
</ftp_site_type>
<tp_ftp_host>
your.remote.com
</tp_ftp_host>
<tp_ftp_port>
20021
</tp_ftp_port>
```

✦ When upgrading from Sterling Connect:Enterprise Secure Client Version 1.2 and retaining the local configuration, if you had a default SSH Client Key defined in the Configuration, you must retype the **Passphrase** and **Verify Passphrase** fields on the **SSH Security** tab. This is only required for the default SSH client key, not for those defined in individual sites.

Extracting the Installation Files

To extract the files on a UNIX platform, type the following command to retrieve the files from the archive:

```
tar xvf CE.U_SecureClient.v1400.tar
```

The compressed .tar file contains the following files:

File	Description
ReadMe.txt	Describes third-party software copyright information.
aix/ClientInst.bin	Contains AIX installation executable.
hpux/ClientInst.bin	Contains HP-UX installation executable.
linux/ClientInst.bin	Contains Linux installation executable.
solaris/ClientInst.bin	Contains Solaris installation executable.
aix/config.jar hpux/config.jar linux/config.jar solaris/config.jar	The configuration .jar file used during installation.

To extract the files on a Microsoft Windows platforms, extract the CE.W_SecureClient.v1400.zip file. The following files are created in a subdirectory called windows:

File	Description
ReadMe.txt	Describes third-party software copyright information.
ClientInst.exe	Microsoft Windows installation executable.
config.jar	Configuration file used during installation.

Installation Instructions

Before you install Sterling Connect:Enterprise Secure Client, read all the information in this section.

✦ Review the installation instructions for Sterling Connect:Enterprise Secure Client before installing the product.

✦ Review your security configuration to ensure compatibility with Sterling Connect:Enterprise Secure Client before proceeding with the installation.

✦ Close all programs before installing Sterling Connect:Enterprise Secure Client, including any anti-virus software.

Complete the following steps to install Sterling Connect:Enterprise Secure Client.

1. Do one of the following:

   ◆ If you downloaded the software from the ESD portal, type the following command to change to the directory where you extracted the Sterling Connect:Enterprise Secure Client application for your platform:

   ```
   cd download directory/your platform
   ```

   ◆ If you are installing the software from a CD-ROM, insert the Sterling Connect:Enterprise Secure Client Installation CD in the CD-ROM drive.

2. Do one of the following:

   ◆ If you are installing on a Microsoft Windows computer, double click the **ClientInst.exe** file.

   ◆ If you are installing on a UNIX computer, type **ClientInst.bin** and press **Enter**.

3. Review the installation overview screen and click **Next**.

4. Scroll to the bottom of the license agreement and click **Accept**.

5. Accept the default installation folder or specify a different one and click **Next**.

   If the installation folder already exists, you are prompted to specify if you want to delete the existing directory before installing the product, or install Sterling Connect:Enterprise Secure Client in the existing directory, preserving data files.

   > *Caution:* If you delete the existing directory, all data and configuration files are deleted.

6. Enter an **Administrator Password**. This password is used to log in as the administrator for Sterling Connect:Enterprise Secure Client. The password is case sensitive and must be at least 6 characters.

   > **Note:** If you forget the administrator password, you must reinstall Sterling Connect:Enterprise Secure Client to reset the password.

7. Verify the installation summary and click **Install**.

8. Click **Done** when the installation is complete.

9. To start Sterling Connect:Enterprise Secure Client:

   ◆ On a Microsoft Windows system, select **Start >Programs > Sterling Commerce > Secure Client**.

   ◆ On a UNIX system, type *<installation directory>*/**SecureClient** where *installation directory* is the location where you installed the product.

See the *Getting Started with Sterling Connect:Enterprise Secure Client* Help to configure Sterling Connect:Enterprise Secure Client.

See *Repackaging Instructions* on page 13 for instructions on packaging the product for internal distribution.

Repackaging Instructions

You may want to repackage Sterling Connect:Enterprise Secure Client and send it out to internal departments. Use the following procedure to repackage the application.

Repackaging Sterling Connect:Enterprise Secure Client

To repackage the application from your current installation:

1. Install Sterling Connect:Enterprise Secure Client. Refer to *Installation Instructions* on page 11.

2. To start Sterling Connect:Enterprise Secure Client:

   ◆ On a Microsoft Windows system, select **Start >Programs > Sterling Commerce > Secure Client**.

   ◆ On a UNIX system, type *<installation directory>*/**SecureClient** where *installation directory* is the location where you installed the product.

3. Configure Sterling Connect:Enterprise Secure Client. Refer to the Help for step-by-step instructions. You must configure the following:

   ◆ Create the ftp site.

   ◆ Import the certificate files or keycert files for FTP SSL.

   ◆ Change the logo for the splash screen, if desired. Refer to *Customizing the Splash Screen* on page 14.

   Note: If you do not see an admin.dat file in the INSTALL DIR\conf\ directory, you must create a blank file. It should already exist.

4. Make a jar file of the installation information. Go to a command prompt and from the INSTALL DIR, type the following command:

   ```
   jar -cvf config.jar conf schedule event Images
   ```

   This command packages the directories, conf, schedule, event, and Images from the INSTALL DIR into the file **config.jar**. These directories are in the root level of the jar file that you create.

   Note: You must have a jar.exe file or jar utility in the installation directory. Download the Java Developer's Kit (JDK) from the appropriate vendor Web site: IBM for IBM platforms, HP for the HP platform, and SUN for SUN or Linux and Microsoft Windows platforms.

5. To repackage the distribution media, copy the Installation media, and replace the config.jar file with the new one that you just created.

Customizing the Splash Screen

If you want to customize the splash screen with your own logo, complete the following procedure:

1. Go to the INSTALL DIR\Images directory. This directory contains all of the images for Sterling Connect:Enterprise Secure Client.

2. Replace the file **ProductLogo.jpg** with your logo file. You should use the same size .jpg file to maintain the proportions of the image.

Installing the Repackaged Product

To install the repackaged product:

1. Insert the repackaged installation CD in the drive, and do one of the following:

    ◆ If you are installing on a Microsoft Windows computer, double click the **ClientInst.exe** file.

    ◆ If you are installing on a UNIX computer, type **ClientInst.bin** and press **Enter**.

2. Follow the prompts on the screen. You are only prompted for a user password.

3. Start the application and verify that all the sites and trading partner data are present.

Uninstalling Sterling Connect:Enterprise Secure Client

When you uninstall Sterling Connect:Enterprise Secure Client, not all folders and files are removed. The Uninstall program does not delete configuration information, certificates, or other stored data.

Complete the following steps to uninstall Sterling Connect:Enterprise Secure Client:

1. Access INSTALL DIR\UnInstall\.

2. Do one of the following:

    ◆ On a Microsoft Windows system, select **Start>Programs>Sterling Commerce>Uninstall Secure Client**.

    ◆ On a UNIX system, run -f *<installation directory>* **Uninstall_Secure_Client**.

    Note: On a Microsoft Windows system, you may need to manually remove the installation directory to complete uninstall the product.

Maintenance Updates

The following table describes the issues resolved for Sterling Connect:Enterprise Secure Client after version 1.3.00.

Version	SR Number	Explanation
1.3.01	1345797	ENH - CLIENT (Microsoft Windows) - The SFTP banner does not display.
	1349007	Security concerns for the password hash are resolved.
	1349909	CLIENT - A loop list of more than 539 files from IBM® Sterling B2B Integrator directory list is created.
	1350849	No transfer logging is generated when log level is set to normal.
	1346662	Data execution prevention (DEP) introduced in Microsoft Windows Server 2003 Service Pack 1 causes ZeroG InstallAnywhere to fail.
1.3.02	1360255	Client does not support Sterling Connect:Enterprise Mailbox for z/OS mainframe directory format.
	1360175	Enabling Compression for an SSH Site causes the connection to fail.
	1356243	Saving an FTP Profile without a password causes an exception.
1.4.00	1367639	Error with Direct Trust model.
	1369320	Cannot support BID larger than24 bytes.

Known Restrictions

Sterling Connect:Enterprise Secure Client version 1.4 has the following restrictions:

✦ You cannot run two instances of Sterling Connect:Enterprise Secure Client from the same directory. If you need to run two instances, install them in different directories.

✦ Sterling Connect:Enterprise Secure Client only supports base 64 encoded trusted certificates. Chained trusted certificates (PKCS7) are not supported.

✦ When connecting to a Sterling Connect:Enterprise for UNIX server, you cannot use the **Change Password** feature if the server version is prior to version 2.0. In addition, this feature may not be supported by standard FTP servers, such as the FTP servers that come with UNIX operating systems.

✦ If you run a telnet session from Solaris to a Linux server to run Sterling Connect:Enterprise Secure Client, the drag and drop function on Sterling Connect:Enterprise Secure Client causes a JVM error and the application disappears.

✦ If you send an enveloped document to a Sterling Information Broker site, the send fails if the Sterling Information Broker header and trailer information is not configured. To resolve this, configure the Sterling Information Broker site as follows:

   a. Select the Sterling Information Broker site and click **Edit**.

   b. Click the **SIB** tab.

   c. Select **Append Sterling Information Broker Header/Trailer to all files**.

   d. Type header and trailer information in the required fields, and click **Apply**.

   e. Deselect **Append Sterling Information Broker Header/Trailer to all files**, and click **Apply**.

Documentation Updates

The Sterling Connect:Enterprise Secure Client version 1.4 documentation requires no additional updates.

Sterling Connect:Enterprise Secure Client Documentation

The Sterling Connect:Enterprise Secure Client documentation consists of Sterling Connect:Enterprise Secure Client *Help,* available with the product.

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