

# Release Notes for Sun™ ONE Integration Server, Secure Trading Agent

Version 1.0

Part Number 816-6463-10

Updated April, 2003

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These Release Notes contain important information available at the time of the release of Sun Open Net Environment (Sun ONE) Integration Server, Secure Trading Agent, Version 1.0. Features and enhancements, known problems, and other information are addressed here. Read this document before you begin using Secure Trading Agent.

The most up-to-date version of these Release Notes can be found at the Sun ONE documentation web site: [http://docs.sun.com/coll/S1\\_IntegrationServer\\_STA\\_10](http://docs.sun.com/coll/S1_IntegrationServer_STA_10). Check the website after installing your software and periodically thereafter to view the most up-to-date release notes and manuals.

These Release Notes contain the following sections:

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# Revision History

[Table 1](#) shows the revision history for this document.

**Table 1**    Revision History

Date	Description of Changes
March 5, 2003	Original version of Release Notes published
April 15, 2003	Two bugs added: 4827864, and 4829501.

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# Supported Systems and Software

The following operating systems and software are supported with this release of Secure Trading Agent. If you are running non-supported versions of these products, you must upgrade to a supported version.

**Table 2** Supported Operating Systems and Software

Component	Windows Requirement	Solaris™ Requirement
Operating system	Windows 2000 Professional Service Pack 3	Solaris 8 or Solaris 9 (SPARC® platforms)
	Windows 2000 Server Service Pack 3	See <a href="#">“Required Solaris Patches” on page 5</a> for required patches.
	Windows 2000 Advanced Server Service Pack 3	
	Windows-XP Professional Service Pack 1	
CPU	500 Mhz	Sun Ultra™ 1 (or compatible) workstation
RAM	256 Mbytes (minimum)	256 Mbytes
	384 Mbytes (recommended)	384 Mbytes (recommended)
Disk space	30 Mbytes for Secure Trading Agent and associated applications	20 Mbytes for Secure Trading Agent and associated applications
	60 Mbytes for Sun Management Center and associated packages, which include Java 2 Platform, Standard Edition (J2SE™), Sun ONE Application Framework software, and Apache Tomcat	130 Mbytes for Sun Management Center and associated packages, which include J2SE, Sun ONE Application Framework software, and Apache Tomcat
	If you use HSQL as a database you have additional disk space requirements for your installation. This additional space requirement is dependent on the number and size of messages you plan to send. Refer to the section <a href="#">“Limitations” on page 11</a> for more information.	If you use HSQL as a database you have additional disk space requirements for your /var partition. This additional space requirement is dependent on the number and size of messages you plan to send. Refer to the section <a href="#">“Limitations” on page 11</a> for more information.
/tmp partition	(not applicable)	120 Mbyte minimum size for /tmp partition
Java™ 2 Software Development Kit (Java 2 SDK), Standard Edition	Version 1.4.0_01 required for Windows platforms. Install this version of the Java 2 SDK before running the Secure Trading Agent installer. This version is available from the same location you downloaded Secure Trading Agent.	Version 1.4.0_00 required for Solaris platforms. The Secure Trading Agent installer for Solaris prompts you to install the correct version of the Java 2 SDK if it cannot find it on your system.

**Table 2** Supported Operating Systems and Software (*Continued*)

<b>Component</b>	<b>Windows Requirement</b>	<b>Solaris™ Requirement</b>
Web Servers	Apache Tomcat 4.0.3	Apache Tomcat 4.0.1
Database	HSQL, Database engine, version 1.7.0 Oracle® database (if overriding the default HSQL database): Oracle 8i, Oracle 9i	HSQL, Database engine, version 1.7.0 Oracle database (if overriding the default HSQL database): Oracle 8i, Oracle 9i
Web browser	Netscape Navigator™ 7.01 Internet Explorer 6.0	Netscape Navigator 7.01
IP Address	Configured for TCP/IP with static IP address.	Configured for TCP/IP with static IP address.

# Required Solaris Patches

Table 3 lists the required patches for Solaris platforms.

**Table 3** Required Patches for Solaris

Solaris 8 Recommended Patch Cluster	108652-58 X11 6.4.1: Xsun patch
	108921-15 CDE 1.4: dtwm patch
	112003-03 SunOS 5.8: Unable to load fontset in 64-bit Solaris 8 iso-1 or iso-15
	108773-15 SunOS 5.8: IIIM and X Input & Output Method patch
	111293-04 SunOS 5.8: /usr/lib/libdevinfo.so.1 patch
	111310-01 SunOS 5.8: /usr/lib/libdhcagent.so.1 patch
	112472-01 SunOS 5.8: Font2DTest2 abort when Lucida Sans Thai Typewriter selected
	108714-07 CDE 1.4: libDtWidget patch
	111111-03 SunOS 5.8: /usr/bin/nawk patch
	112396-02 SunOS 5.8: /usr/bin/fgrep patch
	108940-46 Motif 1.2.7 and 2.1.1: Runtime library patch for Solaris 8
	108987-09 SunOS 5.8: Patch for patchadd and patchrm
	108528-16 SunOS 5.8: kernel update patch
	108989-02 SunOS 5.8: /usr/kernel/sys/acctctl and /usr/kernel/sys/exacctsys patch
	108827-30 SunOS 5.8: /usr/lib/libthread.so.1 patch

**Table 3** Required Patches for Solaris (*Continued*)

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Solaris 9 Recommended Patch Cluster	113319-01 SunOS 5.9: patch /usr/lib/libnsl.so.1
	112998-02 SunOS 5.9: patch /usr/sbin/syslogd
	112875-01 SunOS 5.9: patch /usr/lib/netsvc/rwall/rpc.rwalld
	112785-06 X11 6.6.1: Xsun patch
	112970-02 SunOS 5.9: patch libresolv.so.2
	113146-01 SunOS 5.9: Apache Security Patch
	113068-01 SunOS 5.9: hpc3130 patch
	112963-01 SunOS 5.9: linker patch
	113273-01 SunOS 5.9: /usr/lib/ssh/sshd Patch
	112233-02 SunOS 5.9: Kernel Patch
	112951-02 SunOS 5.9: patchadd and patchrm Patch
	112964-02 SunOS 5.9: ksh using control Z under ksh does not work well with vi
	112808-03 OpenWindows 3.6.3: Tooltalk patch

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## Using DHCP

Secure Trading Agent requires you to use a static IP address. However, if your system is using the Dynamic Host Configuration Protocol (DHCP) to assign a dynamic IP address, you can modify your Secure Trading Agent configuration to use the dynamic IP address.

If you are using DHCP, when you first install Secure Trading Agent, the Secure Trading Agent Control Panel configures your system according to your assigned IP address. When you restart your system, you must run the Control Panel again to update your system according to your newly assigned IP address. After running the Control Panel utility, specify S1 to save your settings and reconfigure your system (no other change is necessary).

As explained in [“Secure Trading Agent Control Panel” on page 16](#), when you save changes made to your configuration using the Secure Trading Agent Control Panel, the Control Panel utility reinitializes the Secure Trading Agent database. All information regarding agreements, conversations, and messages and their attached documents from the previous configuration are lost.

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<b>NOTE</b>	Depending on how your dynamic IP addresses are generated, you may be assigned the same IP address each time you start your system, and thus encounter no problem using Secure Trading Agent. However, because of the dynamic nature of DHCP, you cannot reliably be assured that the IP address you have will map to your Secure Trading Agent configuration.
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## Bundled Software

Table 4 lists the software bundled with Secure Trading Agent.

**Table 4** Software Bundled with Secure Trading Agent

Product	Description
Java 2 Software Development Kit, version 1.4.0_01 (Windows)	Secure Trading Agent requires these versions of the Java 2 SDK.
Java 2 Software Development Kit, version 1.4.0_00 (Solaris)	
Apache Tomcat, version 4.0.1 (Solaris) Apache Tomcat, version 4.0.3 (Windows)	Web server that hosts Secure Trading Agent.
HSQL Database engine, version 1.7.0	Default database used by Secure Trading Agent.
Sun Management Center	Web server that launches the Secure Trading Agent Communications Center. Refer to <a href="#">“Sun Management Center” on page 12</a> for more information.

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## Getting Started

It is recommended that you follow these steps to get started with Secure Trading Agent:

1. Read this Release Notes document in its entirety.
2. Read the “Overview” chapter of the *Secure Trading Agent User’s Guide* to familiarize yourself with ebXML concepts.
3. Follow the Registration procedure described in *Secure Trading Agent Installation Guide*. Although the registration procedure is optional, it ensures that your installation is correctly configured to send and receive messages.
4. Complete the Secure Trading Agent tutorial for a “Quick Start” on using Secure Trading Agent.

5. Familiarize yourself with the *Secure Trading Agent User's Guide* to understand more about the Secure Trading Agent applications and how to administer them.

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## About Secure Trading Agent

Sun ONE Integration Server, Secure Trading Agent, Version 1.0 implements a standards-based, secure, reliable system that provides for the exchange of business documents between trading partners, according to an agreement between the trading partners. This support for electronic business transactions is based on emerging ebXML specifications, which are geared toward helping small to medium-sized companies use the Internet for conducting business transactions with larger companies.

The ebXML specifications are relatively young—Secure Trading Agent does not implement every aspect of the specification. Instead, Secure Trading Agent implements key parts of the specifications that allow you to securely exchange messages and documents with trading partners based on negotiated agreements.

Secure Trading Agent has successfully passed the ebXML Messaging Services Interoperability and Conformance Validation Test (ebXML MS-3Q02), created by Drummond Group, Inc. This test allows vendors to test the interoperability of ebXML message handlers.

ebXML agreements created using Secure Trading Agent should interoperate successfully with other ebXML implementations. Secure Trading Agent can import and deploy ebXML agreements created with third party tools. In some cases, minor editing of ebXML agreements may be necessary when interoperating with other vendors.

## ebXML Specifications

This release of Secure Trading Agent is based on the following specifications available from the Organization for the Advancement of Structured Information Standards (OASIS).

- Collaboration-Protocol Profile and Agreement Specification, Version 2.0
- Message Service Specification, Version 2.0

This release of Secure Trading Agent does not implement every feature of these specifications. For a list of some of the key limitations of this release, refer to [“Limitations” on page 11](#).



# Secure Trading Agent Features

Following is a list of the key features implemented in this release:

- Create and edit Collaboration-Protocol Agreements (CPAs)
- Deploy CPAs to the Secure Trading Agent runtime
- Send and receive messages that make up ebXML conversations

A conversation is the exchange of ebXML messages between partners to an agreement, based on actions specified in the agreement. Messages are sent over HTTP or HTTP/S.

- Download documents attached to ebXML messages
- Review the message history of all conversations (active and closed) in an agreement
- “Quality of Service” features outlined in the ebXML specifications:
  - Reliable messaging
  - Nonrepudiation
  - Secure transport protocol (SSL) for exchanging messages
  - Digitally signed messages

## Nonrepudiation

*Nonrepudiation* is the ability to prove that transactions between you and your partner occurred. There are two forms to nonrepudiation, both of which are implemented by Secure Trading Agent:

1. Providing an audit of all messages and attached documents between you and your trading partner.
2. Proving that messages sent were received by the intended party (*nonrepudiation of receipt*)

Nonrepudiation of receipt provides:

- a. Confirmation that acknowledgment of receipt of a message was authored by the sending party.
- b. Confirmation that the contents of the acknowledgment were not changed in transit.
- c. Confirmation that the original message (the digest of which is included in the acknowledgement) was received completely and has not been tampered.

Although Secure Trading Agent provides both forms of nonrepudiation, Secure Trading Agent does not prevent you from deleting agreements, messages, and documents stored in the Secure Trading Agent repository. For more information on nonrepudiation in Secure Trading Agent, refer to the “Agreement Editor” chapter of the *Secure Trading Agent User’s Guide*.

## Database Service

A Secure Trading Agent installation includes the HSQL database service. However, you can also configure Secure Trading Agent to use your own Oracle database service. For information on configuring Secure Trading Agent to use Oracle as a database service, refer to the chapter “Secure Trading Agent Administration” in the *Secure Trading Agent User’s Guide*.

## Registration Procedure

Secure Trading Agent contains an optional registration process that ensures that Secure Trading Agent has been installed and configured properly on your system. The registration procedure should be run after you install Secure Trading Agent. Refer to the *Secure Trading Agent Installation Guide* for details on the registration procedure.

# Secure Trading Agent Components

Following is a list of key Secure Trading Agent components:

- Communications Center

To create, import, deploy, and undeploy agreements. Also, to send and receive messages, download attached documents, review conversation history, and monitor the runtime. The Communications Center includes an Agreement Editor to edit agreements.

- ebScript scripting utility

Command-line alternative to the Communications Center. Useful for creating scripts that can be automated.

- Control Panel

Command-line utility (ebctl) for configuring Secure Trading Agent. Use the Control Panel to configure the following:

- Secure Trading Agent Administration User
- Communication Ports for receiving ebXML messages (including proxy ports)
- Ports used by Secure Trading Agent or Apache Tomcat
- Database specifications

As explained in “[Secure Trading Agent Control Panel](#)” on page 16, you should make any configuration adjustments to your system before you import and deploy agreements and exchange messages.

- **Messaging Service**  
Part of the Secure Trading Agent runtime responsible for sending and receiving ebXML messages.
- **Sun Management Center Service**  
For manually starting and stopping the web server that hosts the Secure Trading Agent Communications Center.
- **Secure Trading Agent Registration utility**  
Command-line utility for verifying your installation.

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## Limitations

This section lists known limitations of this release of Secure Trading Agent.

- Secure Trading Agent can only reliably edit CPA documents that were created and edited using the Secure Trading Agent Communications Center and Agreement Editor. However, Secure Trading Agent can import and deploy valid CPA documents created outside the Secure Trading Agent system, subject to the capabilities of Secure Trading Agent.
- CPAs created by the Agreement Editor have not been tested with systems from other vendors.
- There is no enforcement of agreement roles by the Secure Trading Agent runtime.
- The Agreement Editor has limited ability to assign actions to agreement roles.
- In the Agreement Editor, messaging characteristics (acknowledgement requested, acknowledgment signature requested, and synchronous delivery channel for msh signals) are specified on an agreement basis, not per action within an agreement.
- In the Agreement Editor, reliable messaging parameters are specified on an agreement basis. All actions that specify reliable messaging use the same set of reliable messaging parameters.
- Messaging characteristics specified in an agreement cannot be overridden on a per message basis.
- In the Agreement Editor, the secure endpoint, certificate information, and server security information specified in an agreement are used for all secure actions in the agreement.

- The Agreement Editor does not allow you to specify multiple PartyIds for a party to an agreement.
- All delivery channels are over HTTP for non-secure transport and SSL for secure transport.
- All delivery channels are asynchronous, except for mshSignals, and then, synchronous only when specified.
- When sending messages with large document attachments using the Communications Center, there is a performance bottleneck between the web browser and the web server. This bottleneck may cause the web browser to wait a long time for a response from the server with resulting performance problems. It is recommended that you use ebScript to send messages with large attachments.
- There is an additional disk space requirement when using HSQL as a database and sending large payloads over SSL transport. On Solaris platforms, make sure you have enough space in your `/var` directory to accommodate the message. The additional disk space requirement also applies to Windows platforms. You should allow space four times the size of the message.
- Secure Trading Agent does not support signing of agreements.
- Secure Trading Agent does not support client authorization for SSL transport.
- When you delete an agreement from the system, all conversations associated with that agreement are also deleted and cannot be recovered. Secure Trading Agent allows you to reuse CPA Ids for CPAs that have been removed from the system, however you should restart the messaging runtime before you reuse the CPA Id.
- When attaching documents to messages, Secure Trading Agent does not check whether the document attached to the message matches the MIME type specified in the agreement.
- The Agreement Editor allows you to specify the ebXML business transaction characteristic, Authorization Required. However the use of this business transaction characteristic is not clearly defined in the CPPA specification. The Secure Trading Agent message handler ignores this specification.

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## Sun Management Center

The Sun Management Center is the web server that launches the Secure Trading Agent Communications Center. You may have other applications that are launched by the Sun Management Center.

## Sun Management Center Timeout

The Sun Management Center has a timeout feature that automatically logs you off when you are idle for a specific period of time. The timeout period is 30 minutes on Windows platforms and 15 minutes on Solaris platforms.

If you are idle for longer than the timeout period, you are automatically logged out—any work you have not saved before logging out is lost. Additionally, the context of any operation is lost (for example, in the middle of a process of sending a message).

An administrator can modify the timeout period of the Sun Management Center by editing the `session-timeout` element in the `web.xml` file for your Tomcat web server. Here are the default locations for this file:

```
/opt/SUNWebXML/S1ISSTA/tomcat/conf/web.xml (Solaris)
```

```
C:\Sun\S1ISSTA\tomcat\conf\web.xml (Windows)
```

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**CAUTION** Modifying the session timeout affects all applications managed by the Sun Management Center. For some applications, a long timeout period may not be appropriate.

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## Certificate Issues When Connecting to Sun Management Center

When you access the Sun Management Center from a web browser, the web browser may have problems identifying the server named in the certificate presented by the Sun Management Center. This problem occurs because the name of the server (the actual server name, IP address, or simply “localhost”) may not match the name specified in the certificate.

Different versions of web browsers supported by Secure Trading Agent handle this discrepancy differently. The browser informs you of the discrepancy, and walks you through a series of dialogs before allowing the connection. Additionally, the browser may ask you to add the certificate to the browser’s trusted store, which you should not do (as explained in the following Caution).

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**CAUTION** Do not add the certificates presented by the Sun Management Center server to the browser’s trusted store. If you do, the next time you run the Sun Management Center with a new certificate that has the same name (for example, after reinstalling Sun Management Center) the certificate in the trusted store is used and not the certificate sent as part of SSL. This may cause the connection to the server to fail.

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# Sun Management Center Packages

When the Secure Trading Agent installer installs the Sun Management Center, in addition to the SUNWebXML package, it also installs the following packages:

**Table 5** Packages Installed with the Sun Management Center

SUNWbzip	SUNWjato
SUNWj3dev	SUNWmcon
SUNWj3dmo	SUNWmconr
SUNWj3man	SUNWmctag
SUNWj3rt	SUNWmdemo
SUNWjato	SUNWmdoc

# Secure Trading Agent Documentation

In addition to these Release Notes, Secure Trading Agent provides additional documentation resources. Secure Trading Agent documentation can be found at the following location in your installation:

```
<InstallationDirectory>/docs/manuals
```

*InstallationDirectory* is the location you chose to install Secure Trading Agent. Within the manuals directory are subdirectories for each manual.

The documentation can also be viewed from the Sun ONE documentation web site:  
[http://docs.sun.com/coll/S1\\_IntegrationServer\\_STA\\_10](http://docs.sun.com/coll/S1_IntegrationServer_STA_10).

The documents that make up the Secure Trading Agent documentation set are listed in [Table 6](#).

**Table 6** Secure Trading Agent Documentation Set

Document	Description
<i>Release Notes</i>	Available in PDF and HTML formats. The <i>Release Notes</i> contains late-breaking information on Secure Trading Agent.
<i>Installation Guide</i>	Available in PDF and HTML formats. The <i>Installation Guide</i> contains installation instructions and procedures for Secure Trading Agent.

**Table 6** Secure Trading Agent Documentation Set (*Continued*)

Document	Description
<i>User's Guide</i>	Available in PDF and HTML formats. Manual for both Secure Trading Agent administrators and regular users that explains how to use Secure Trading Agent.
<i>Inline Help</i>	Help messages displayed on each page of the Communications Center and Agreement Editor, providing a brief description of the task at hand. Inline help contains links to the online help pages.
<i>Online Help</i>	Context-sensitive help files provided with the Communications Center and Agreement Editor. The online help guides you through the editing pages of these applications. The online help should be used together with the <i>User's Guide</i> for a complete understanding of using Secure Trading Agent.
<i>Tutorial</i>	Available in PDF and HTML formats. The <i>Secure Trading Agent Tutorial</i> walks you through the creation and deployment of ebXML agreements as well as exchanging messages and business documents with your trading partners. Use the tutorial as a "Quick Start" to using Secure Trading Agent. After completing the tutorial, read the <i>User's Guide</i> for a fuller understanding of Secure Trading Agent.
<i>Command Reference Guide</i>	Available in PDF and HTML formats. The <i>Secure Trading Agent Command Reference Guide</i> provides documentation on commands available for the ebScript utility.
<i>ebScript Help</i>	Command line help available from the ebScript utility. For information on using ebScript and its help, refer to the chapter "Secure Trading Agent Administration" in the <i>Secure Trading Agent User's Guide</i> .

## Errata

This section lists known errors in the Secure Trading Agent documentation.

### Secure Trading Agent Installation Guide

The *Secure Trading Agent Installation Guide* includes a step in the Installation Procedure for Windows Platforms section that does not exist in the installation program.

Step 10 instructs you to specify a path to the Tomcat web server directory and select Next. This step is not available to you from the installation program. The Secure Trading Agent installation program automatically installs the web server in a default directory location.

## About Closed Conversations

Secure Trading Agent does not support the Business Process Specification Schema (BPSS) when exchanging messages. Because Secure Trading Agent cannot determine the end of a business process, you must manually mark a conversation “closed” when the last action in a business process is complete.

Any closed conversation on your installation of Secure Trading Agent is reopened if a partner attempts to send a message using that conversation’s Id. You can locate that message from the Communications Center Messages Inbox page. This is done to persist the message even though the conversation has been marked “closed.”

## Secure Trading Agent Control Panel

The Secure Trading Agent documentation does not provide enough detail or warning on using the Secure Trading Agent Control Panel utility. The Secure Trading Agent Control Panel utility (`ebctl`) allows you to customize the configuration of your Secure Trading Agent installation. You should only modify your configuration after installing Secure Trading Agent but before you deploy agreements and exchange messages with trading partners.

When you save a new configuration using the Secure Trading Agent Control Panel, the Control Panel reinitializes the Secure Trading Agent database. This means that all information regarding agreements, conversations, messages and attached documents is lost. Before proceeding with the configuration, the Control Panel provides a warning that it is deleting data from the system.

Typical usage of the Control Panel utility is to configure a system with test agreements, messages, and other configuration settings. Once you are satisfied with the configuration, the Control Panel initializes the system and you can begin deploying agreements for your system. Once configured, you cannot modify the configuration without losing data from your system.

## Certificates for SSL

The *Secure Trading Agent User’s Guide* contains an appendix that describes how to create and use certificates for Secure Trading Agent. The final step of this procedure describes how to edit the `server.xml` file, which is the Tomcat web server configuration file.

This procedure should also say that you edit the `server.xml` file only after you have saved your configuration settings with the Secure Trading Agent Control Panel utility, as discussed in [“Secure Trading Agent Control Panel” on page 16](#) of these Release Notes.

Additionally, after modifying the `server.xml` file, you must stop and restart both the Secure Trading Agent message handler and the Sun Management Center for the new Tomcat web server configuration to take effect.



The procedure for replacing an expired certificate with a newer version is similar. In this scenario, you import a new version of the certificate file into the Secure Trading Agent Communications Center. For the new version of the certificate file, if you use the same name and password that you used for the expired version you do not have to edit `server.xml`. After importing the new certificate, stop and restart both the Secure Trading Agent message handler and the Sun Management Center.

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## Known Bugs

[Table 7](#) lists the more important bugs known at the time of the Secure Trading Agent, Version 1.0 release.

**Table 7** Descriptions of Known Bugs

Bug Number	Details
<b>4821358</b>	<p><b>cli: You can delete a Local Party Id that is in use by a CPA.</b></p> <p>There is no workaround for this bug. Do not delete a Local Party Id that is in use.</p>
<b>4762889</b>	<p><b>gui: Endpoints and Message defaults from third-party generated CPAs may not be extracted and displayed in the Agreement Editor.</b></p> <p><b>Workaround:</b> There is no workaround for this bug. Secure Trading Agent does not support viewing and editing of third-party CPAs in the Agreement Editor.</p> <p>The CPA Editor assumes certain elements to be present in the CPA in order to get/set the default/common values that can be changed from the CPA editor.</p> <ol style="list-style-type: none"> <li>1. For Messaging Defaults, CPA Editor searches for the DeliveryChannel (with id = S1IS_STA_DEF_Channel_0/1) and DocExchange (with id = S1IS_STA_DEF_DocExchange_0/1) and if not present creates one for setting/getting Messaging Defaults.</li> <li>2. For Endpoints, CPA Editor searches for Transport elements (with id = S1IS_STA_DEF_transport_0/1) for non secure and for secure endpoint it searches for the Transport (with id = S1IS_STA_DEF_SecureTransport_0/1). If these transports with the specified Id are not present, it can not determine the endpoints so, creates a default Transports for the endpoints.</li> </ol> <p>If an external CPA is imported, there is no way the CPA Editor can determine which Delivery channel, docExchange, or Transport elements belong to the Default setting.</p>

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**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4816920</b>	<p><b>gui editor: ebxml editor-&gt; Bus. Trans. Char.-&gt; Auth.-&gt;trans inconsistent with mrt support</b></p> <p>In the editor-&gt; Business Transaction Characteristics-&gt; Authentication, the user has a choice of setting this to “transient” or “transient-and-persistent”.</p> <p>The runtime does not support the characteristic “set to transient” or “set to transient-and-persistent.”</p> <p>The option to set authentication should not be used in the editor.</p>
<b>4799566</b>	<p><b>gui i18n: The Japanese local party id in the repository error message is displayed as garbage</b></p> <p>In the Communications Center, when Japanese characters are entered into the Identifier field and Add Identifier link is clicked, the following error message is displayed:</p> <p>Repository Error Unable to query the required information from the repository &lt;garbled Japanese characters&gt; is not a valid uri More Details...</p> <p>When selecting the more details link, the Japanese characters display properly.</p> <p>No workaround: Certain data like PartyId are described by the database schema as text. Fields that contain unicode data should be expressed as binary fields in the database.</p>
<b>4762907</b>	<p><b>gui: comms ctr: Adding 50MB payload ends up with a blank screen after 10+ mins</b></p> <p><b>Workaround:</b> When sending messages with large document attachments using the Communications Center, there is a performance bottleneck between the web browser and the web server. This bottleneck may cause the web browser to wait a long time for a response from the server with resulting performance problems. It is recommended that you use ebScript to send messages with large attachments.</p>
<b>4762411</b>	<p><b>gui: Editor should generate well-formatted user-friendly CPA XML that can be easily edited outside of the Agreement Editor</b></p> <p>Use a third-party XML editor to reformat the XML document</p>

**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4764711</b>	<p><b>gui: Same role name for multiple entries under a party definition</b></p> <p>It is possible to create two roles with the same name:</p> <ol style="list-style-type: none"> <li>1. Create a new agreement</li> <li>2. In one of the parties, create two roles with two names.</li> <li>3. Save. Change the name of a role to be identical to the other one.</li> <li>4. Save and reload.</li> </ol> <p>The party now has two role entries with the same name, but with different actions under them.</p> <p><b>Workaround:</b> Delete the replicated role, and re-enter the actions under the remaining role.</p> <p><b>Fix:</b> When renaming a role to an existing one, the actions under the renamed role should be transferred to the remaining one.</p>
<b>4764082</b>	<p><b>gui: CpaEditor: Role/Action table links do not submit the changes to subsequent page</b></p> <p>When editing the role name, clicking an action link in left pane for that role to drill down to the actions of the role causes the role to disappear.</p> <p><b>Workaround:</b> Select Save before selecting a role's action link in the left pane.</p>
<b>4761986</b>	<p><b>gui: CPA created &amp; exported from editor fails XML schema validation</b></p> <p><b>Workaround:</b> There is no workaround for this bug.</p>
<b>4789327</b>	<p><b>gui: Cannot import a CPA to replace an undeployed CPA already in the system</b></p> <p>Importing a CPA with status "Agreed", to replace a CPA with status "Proposed," fails.</p> <p><b>Workaround:</b> Delete the CPA that is Proposed, and then import the CPA that is Agreed.</p>
<b>4789732</b>	<p><b>gui: Error viewing Message Security page in Editor for installation_verification.cpa</b></p> <p>If you import the  <code>&lt;STA_Installation_Directory&gt;/etc/installation_verification.cpa</code> (created during the registration process) and try to view it in the Agreement Editor, you are unable to access the Message Security details.</p> <p><b>Workaround:</b> Open the agreement in a third-party XML editor to view it.</p>
<b>4791765</b>	<p><b>gui: client side auth will not work with editor-generated cpas</b></p> <p>Secure Trading Agent does not support client-side authentication.</p>

**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4795546</b>	<p><b>gui: SMC session timeout not honored on Windows</b></p> <p>After changing \$EBROOT/smc/webconsole/conf/web.xml to increase the value of &lt;session-timeout&gt; to 15000, you still get logged out after 15 mins.</p> <p>There is no workaround for this bug.</p>
<b>4804489</b>	<p><b>gui: CPA generated by Agreement Editor with isNonRepudiationReceiptRequired turned on is not working.</b></p> <p><b>Workaround:</b> Make sure Acknowledgement Requested, Signature Requested and Synchronous Signals are all checked in the Messaging Defaults page of the editor.</p>
<b>4818338</b>	<p><b>i18n gui: Communications Center does not fall back to English resource bundles</b></p> <p>If your system is set to a non-English locale and your web browser is set to a language that does not have a corresponding resource bundle in the Secure Trading Agent product, then the Communications Center displays the resource bundle keys instead of the default English text.</p> <p>There is no workaround for this bug.</p>
<b>4820612</b>	<p><b>gui: The popup duration window is sized too small.</b></p> <p>The popup window used to set Retry Interval (on the Messaging Defaults page) is displayed too small. The default size partly obscures the Days &amp; Seconds fields and OK button.</p> <p><b>Workaround:</b> Resize the duration window.</p>
<b>4821358</b>	<p><b>gui: You can delete a Local Party Id that is in use by a CPA.</b></p> <p>There is no workaround for this bug. Do not delete a Local Party Id that is in use.</p>
<b>4827864</b>	<p><b>gui: The Database User field on the Communication Center Configuration page does not reflect changes made to Database settings using the Control Panel</b></p> <p>When the database configuration setting is changed to Oracle using the Control Panel, the Communications Center Configuration page does not register the change to the Database User setting. This page shows the default Database User value of "sa." All other database setting changes are reflected correctly in the Configuration page.</p> <p>There is no workaround for this bug.</p>
<b>4829501</b>	<p><b>gui: Agreement Editor throws error while trying to import an agreement whose name contains single quote character (')</b></p> <p><b>Workaround:</b> Agreement names cannot contain single quote character (').</p>
<b>4749831</b>	<p><b>installer: The Input field for Administrator User ID does not have focus</b></p> <p>Administrator user id input field does not have focus on it. The user has to click into the field and then enter the name.</p>

**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4764661</b>	<p><b>installer: Installer script setup.sh sets LANG and LC_ALL variables to C locale</b></p> <p>The Installer script setup.sh sets LANG and LC_ALL variables to C locale, which is ascii. This should be removed from the script. The problem with setting LANG and LC_ALL variables to C is, all the servers will be started in C locale. Because of this, the html files under ja directory never get loaded.</p>
<b>4768262</b>	<p><b>installer: Uninstaller does not remove Sun folder and some files</b></p> <p>The uninstaller does not remove the Sun (empty) folder from the installation location, the files under Local Settings/Temp (ebXML_install*, ebXML_uninstall*), and from the registries Sun folder.</p> <p><b>Workaround:</b> Remove this directory and files by hand after uninstalling Secure Trading Agent.</p>
<b>4792431</b>	<p><b>installer: Custom Installation Options should come early in the installer</b></p> <p>When running the installer, after a user selects Custom Install, the user cannot see the custom options available until after the installation is complete. Typically, these options should be available on the screen following the Default/Custom selection screen.</p> <p><b>Workaround:</b> There is no workaround available for this bug. The custom installation option allows you to choose to install with an automatic startup of the message runtime after installation and reboot of the machine. If you select this option, you can choose to change the startup option after installation using the Secure Trading Agent configuration panel.</p>
<b>4807583</b>	<p><b>installer: STA does not install correctly if installed to a directory with a space in the name</b></p> <p><b>Workaround:</b> Do not include a space in the name of the destination directory.</p>
<b>4812830</b>	<p><b>installer: ebmsh disable does not disable startup of services on Solaris</b></p> <p>After calling the following commands:</p> <pre>su administrator ebmsh disable</pre> <p>the auto start in ebctl is still set to TRUE.</p> <p>Auto startup is not disabled. You can still Reboot, and the smc and ebmsh services come up.</p>

**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4813349</b>	<p><b>repos: ebscript message Send hangs because of timeout failure</b></p> <p>If a series of messages are sent from Partner A to Partner B faster than Partner B can receive them, Partner A may experience a timeout failure on some of the messages being sent. This can happen if one of the messages contains a large attachment that requires time for the destination endpoint to download. Subsequent messages may timeout, and thus not be sent.</p> <p><b>Workaround:</b> Modify the default timeout period for sending messages. This can be done in the configuration file at:</p> <pre>&lt;InstallDirectory&gt;/lib/ebmessagingsvc.cfg</pre> <p>Default InstallDirectory is /opt/SUNWebXML/S1ISST on Solaris and c:\Sun\S1ISST on Windows.</p> <p>Modify the following lines of this file to change the timeout period:</p> <pre>"-Dsun.net.client.defaultReadTimeout=60000" "-Dsun.net.client.defaultConnectTimeout=60000"</pre> <p>The default period is 60000 milliseconds (60 seconds).</p> <p>You can also make a corresponding edit in the following template file to preserve this setting each time the Control Panel saves a new configuration:</p> <pre>&lt;InstallDirectory&gt;/install/scripts/messaging-service.tpl</pre>
<b>4755893</b>	<p><b>runtime: Message id should be of format uuid@domain instead of uuid@machinename to differentiate where the message originated.</b></p>
<b>4796415</b>	<p><b>runtime: if ssl handshake fails, send -sync option should fail, not hang</b></p> <p>To recreate:</p> <ol style="list-style-type: none"> <li>1. Set up ssl server to make handshake fail.</li> <li>2. Send message with “-sync” option with above ssl setup.</li> </ol> <p>The send hangs, because it's waiting for a successful send of the message. As the send hangs, the messageeventlog on the client states it can't find a trusted certificate from the server.</p> <p>The send should fail in this setup, not hang.</p> <p>Reliable messaging is enabled so that requires an actual response from the other side before it can be decided if the message was successful or failed, or the message has to timeout (MaxRetries+ 1)*RetryInterval (defaults are 3 and 5 minutes thus 20 minutes.)</p>
<b>4817368</b>	<p><b>runtime: null directory created after running ebctl</b></p> <p>After running ebctl and saving (i.e. change configuration), a directory called “null” sometimes appears in the pwd. It seems to have the SMC stop logs. This bug does not occur frequently. There is no workaround for this bug.</p>

**Table 7** Descriptions of Known Bugs (*Continued*)

Bug Number	Details
<b>4826401</b>	<p><b>service “ebmsh start” does not track previously running ebmshdbsvc on Solaris.</b></p> <p>When you start the message handler using ebmsh start, the message handler does not check to see if other instances of the message handler are running. Thus you could have two or more instances of the message handler running with undefined results.</p> <p><b>Workaround:</b> You can run ebmsh stop before running ebmsh start. Alternatively, use ps to check for any ebmshdbsvc process that may be running before issuing the ebmsh start command.</p>

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## How to Report Problems

If you have problems with Secure Trading Agent, contact Sun customer support using one of the following mechanisms:

- Sun online support web site at  
<http://www.sun.com/service/sunone/software/index.html>  
 From this location, the CaseTracker and CaseView tools are available for logging problems.
- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

## Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. Email your comments to Sun at this address:

[docfeedback@sun.com](mailto:docfeedback@sun.com)

Please include the part number (816-6463-10) of the document in the subject line and the book title (*Secure Trading Agent 1.0 Release Notes*) in the body of your email.

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## For More Information

Useful information can be found at the following Internet locations:

- Sun ONE Integration Server, Secure Trading Agent Website — [http://www.sun.com/software/products/integration\\_srvr\\_sta/index.html](http://www.sun.com/software/products/integration_srvr_sta/index.html)
- Sun ONE Documentation — <http://docs.sun.com/>
- Software Products Information — <http://www.sun.com/software/>
- Sun ONE Support Services and Knowledge Base — <http://www.sun.com/service/sunone/software/index.html>
- Sun ONE Consulting and Professional Services — <http://www.sun.com/service/sunps/sunone/index.html>
- Sun ONE Developer Information — <http://developer.iplanet.com/>
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