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## Release Notes

**StreamBase 6.6.18**

**Date: 5 Jan 2012**

This page contains the release notes for the current version of StreamBase.

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## Before You Install

Before you install StreamBase:

1. Read this Release Notes document.
2. Confirm that your target system matches the hardware and software requirements discussed on [Supported Configurations](#).
3. Read the [Installation Guide](#).

## More Information

- ◆ For a summary of what's new in this release, see [New and Noteworthy](#).
- ◆ If you are new to StreamBase, read [Getting Started](#) after installation.
- ◆ See the [documentation home page](#) to begin exploring the StreamBase documentation. The StreamBase documentation set is available as part of your StreamBase installation in several ways:
  - From the installed file system, open the documentation home page in a web browser. The default locations are:

**UNIX**            /opt/streambase/doc/index.html

**32-bit Windows**

C:\Program Files\StreamBase Systems\StreamBase.n.m\doc\index.html

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### 64-bit Windows

C:\Program Files (x86)\StreamBase Systems\StreamBase.n.m\doc\index.html

- In StreamBase Studio, select Help â Help Contents from the menu.
- On Windows, open Start â (All) Programs â StreamBase n.m â StreamBase User Documentation â StreamBase User Guide - Help Viewer
- On UNIX at a terminal window's command prompt, run **sbhelp &**.
- If you were provided an installation DVD-ROM, open doc/index.html in a web browser.

## Customer Support

[Contact Information](#) contains information about available support options. You can send us e-mail or get information from your StreamBase Systems representative about our support portal.

## Resolved Limitations

### Limitations Resolved in 6.6.x

Fixed in 6.6.18	
Number	Resolution
Release 6.6.18 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 20656	The Wombat MAMA Output adapter was verified to work over the TIBCO Rendezvous (RV) transport. You must obtain from Wombat a <code>mama_jni.jar</code> file that supports RV and is at least version 5.0.4 or later.
Fixed in 6.6.17	
Number	Resolution
Release 6.6.17 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 21438	In previous releases, a port specified in a server configuration file on which to run StreamBase Server was honored for standard uses but ignored when running same application as an embedded server as part of the StreamBase JUnit test framework. This was corrected.
SBâ 21161	The Thomson Reuters RMDS Subscribing Input adapter, configured to process market feed and emit thin tuples, if it encountered an enumeration field with an invalid value, it generated an exception. This was fixed.
SBâ 20273	In previous releases, certain StreamBase-provided and customer-written input adapters that emit tuples at high rates could incur timeouts when being shut down or suspended. This was corrected.
SBâ 13271	Previous releases of the .NET Client Library did not provide a way to construct a new DequeueResult, while the Java Client Library provided SimpleDequeueResult for this purpose. This situation was corrected in the October 2011 refresh of the .NET API with the addition of the DequeueResult constructors. See <a href="#">Migrating .NET Clients</a> .
SBâ 12662	In previous releases of the .NET Client Library, using <code>IsNull("wrong_field_name")</code> threw the generic SEHException instead of <code>StreamBase.SB.NoSuchFieldException</code> . This situation was corrected in the October 2011 refresh of the .NET API as described above.
Fixed in 6.6.16	
Number	Resolution

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Release 6.6.16 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 21116	The <code>rfa.jar</code> library provided by Thomson Reuters was causing a Null Pointer Exception error when the library received a STATUS_RESP message that did not contain status state for the item stream. This error was corrected by upgrading the <code>rfa.jar</code> version shipped with StreamBase from 7.0.0 to 7.0.1.E4.
SBâ 20937	An issue in the IBM WebSphere MQ adapter with parsing XML messages into tuples was corrected. Fields containing XML escape sequences such as <b>A &amp; B</b> were inadvertently truncated, populating the tuple field with <b>A</b> instead of <b>A &amp; B</b> .
SBâ 17816	In previous releases, a custom simple function that returns void caused a Null Pointer Exception. This condition was corrected to report a typecheck error.
<b>Fixed in 6.6.15</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.15 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 20772	The Interactive Data PlusFeed Input adapter could produce a Java error message instead of timing out when the adapter or the containing StreamBase Server was shutting down. This condition only affected the adapter in releases 6.6.14, 7.0.7, 7.0.8, and 7.1.2, and was corrected as of this release.
SBâ 20758	The TBF adapter was emitting a null pointer exception when its recovery session did not have a matching feed reconnect session. This was fixed.
SBâ 20725	CPU intensive modules with loops that were designated to run in multiple concurrent threads would exhibit unfair sharing of CPU resources on multiple CPU machines. This was corrected.
SBâ 20642	In the Java Client Library, the internals of the <code>SBServerManager</code> and <code>Dequeuer</code> interfaces in the <code>sb.unittest</code> package were reworked to provide faster dequeues.
SBâ 20614	In previous releases of the FIX adapter (and all adapters based on it) when using the QuickFIX/J FIX engine, tuples with a non-null list field representing a repeating group could be converted into a FIX message where the group's <code>NumInGroup</code> field would have a value of zero. This was corrected.
SBâ 20605	In previous releases, the TBF Input adapter could stop processing retransmit requests if messages arrived out of order on the multicast feed. This was fixed.
SBâ 20565	An internal class was producing an error when included in debug output that was run with an elevated log level. This was corrected.
SBâ 20521	As before, StreamBase Systems does not recommend overriding the <code>Operator.getName()</code> method. However, StreamBase internals are now protected from the consequences if your application requires doing so.
SBâ 20473	The Reuters Schema Designer feature lost its ability to connect to RFA6 servers after a recent update of the Reuters libraries. The cause was found and fixed.
<b>Fixed in 6.6.14</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.14 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 20550	In the Thomson Reuters RMDS Subscribing Input adapter, <code>OMMData</code> values with attribute <code>isBlank=true</code> are now discarded.
SBâ 20499	The Wombat MAMA adapters were updated to allow configuration of their properties before the required third-party Wombat JAR file has been installed. This corrects the

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	NoClassDefFoundError messages seen when starting Studio for Linux at the command prompt.
SBâ 20469	Module-scope dynamic variables were not correctly recognized in operator expressions. This was fixed.
SBâ 20391	The feed simulation for the RTD sample included with the StreamBase Adapter for Microsoft Excel had two columns out of order. This was corrected.
SBâ 20345	A deadlock issue in the JMS adapter was detected and fixed.
SBâ 20330	The data dictionary for the Currenex adapter was updated to more accurately reflect the latest Currenex specification.
SBâ 20325	An earlier fix, SB-19792, uncovered a conflict between Studio and certain adapters, including the TIBCO Subscribe adapter, that were using older classloaders. The cause was identified and fixed.
SBâ 20299	The StreamBaseFIX FIX engine was updated with a mechanism to specify FIX message storage policy on a per-session basis. New settings in the adapter configuration file for the FIX adapter (and all StreamBase adapters that use the StreamBaseFIX engine) are <storage-factory> and <storage-directory>. These settings supersede the similar settings in the properties file, which allows per session settings.
SBâ 20287	The FIX adapter, and all StreamBase adapters that use the QuickFIX/J FIX engine, were updated to correct a problem in the engine whereby an output adapter would write out the fields of a repeating group in the order in which they appeared in the StreamBase schema instead of the order of the data dictionary.
SBâ 20286	A NullPointerException error could be emitted from the StreamBaseFIX FIX engine when parsing a FIX message with repeating groups. This was corrected.
SBâ 20238	In some instances, the QuickFIX/J and StreamBaseFIX FIX engines were not correctly handling the LOCALMKTDATE FIX data type. The cause was identified and corrected.
SBâ 19883	Modules that implement an interface underwent unnecessary typechecking whenever any other module or interface file was saved. This was fixed.
<b>Fixed in 6.6.13</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.13 incorporates all fixes resolved in the release 6.5 series through release 6.5.13. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 20220	The Thomson Reuters RMDS Subscribing Input adapter was updated to download its data dictionary only once per connection when using the RMDS 6 message model.
SBâ 20216, SBâ 18913	In interactive monitoring of a running application with StreamBase Manager or the <b>sbmonitor</b> command, queue size information was not being updated correctly, with the result that some queues that appeared to be empty were not. In addition, the batch processing time and batch latency values were sometimes reported as negative numbers. These issues were corrected.
SBâ 20214	Using the HotspotFX adapter with a <code>getAllTrades</code> request resulted in an error message. The cause was identified and corrected.
SBâ 20073, SBâ 19776	When the Thomson Reuters RMDS adapter was used in a certain sequence of events (subscribe, duplicate subscribe, unsubscribe, subscribe), the duplicate subscribe would silently override the unsubscribe, resulting in two subscriptions. This was fixed.
SBâ 20047	The FIX adapter, and all StreamBase adapters that use the QuickFIX/J FIX engine, were updated so that log files that store the last sequence number of

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	received messages are now correctly closed when the adapter exits, which allows deletion and cleanup of such files without shutting down StreamBase Server.
SBâ 20041	The CSV File Writer Input adapter was emitting an incorrect filename for a Closed event. This was fixed.
SBâ 20039	The CSV File Writer Input adapter was updated so that its File Name property is optional if the Start Control Port property is enabled. The adapter emits a warning if a write tuple is enqueued before an output file has been opened, which can happen if no File Name is specified and a start control tuple with a file name has not yet been enqueued.
SB-19959	The Thomson Reuters RMDS Contribution Output adapter was inadvertently dividing by 10,000 when publishing or contributing a Reuters Real32 field using a StreamBase int field. This was fixed.
SB-19928	The Currenex adapter had issues dealing with non-ASCII characters in schema definitions used in Java operators. This was resolved.
SBâ 19792	A PermGen memory leak in Studio was resolved. This leak would affect users whose workspaces contained projects with large numbers of libraries on the Java Build Path. The leak would manifest with Studio eventually displaying an OutOfMemoryError referring to PermGen space.
SBâ 19707	The Wombat MAMA Input adapter would occasionally fail to send an Init tuple when subscribing to a symbol. This was fixed.
SBâ 19702	Typecheck error messages from the Query operator could sometimes appear twice for one error. This was fixed.
SBâ 19673	The CSV File Writer Input adapter no longer shuts down if the configured file cannot be opened during startup and a Start Control Port is enabled.
SBâ 18791	In previous releases, in a Schema tab of the Properties view for an operator, if the schema was defined by a named schema or table schema, the entire grid was disabled including its scroll bars, which prevented read-only inspection of the full grid. Starting with this release, under the same circumstances, the scroll bars for schema grids remain enabled, which allows you to browse the read-only fields.
SBâ 18790	In previous releases, when using the EventFlow Debugger, breakpoints in modules that had multiplicity enabled were never hit. This was corrected.
SBâ 16223	In previous releases, a custom Java function that returns a list would cause a null pointer exception if the function returned a list(null). This was fixed, and a list(null) is now correctly returned.
SBâ 13159	In previous releases, clicking the Home button in the standalone Help Viewer opened a generic page on using Eclipse Help. This was corrected to open the home page of StreamBase documentation.
<b>Fixed in 6.6.12</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.12 incorporates all fixes resolved in the release 6.5 series through release 6.5.12. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 19557	The TIBCO Subscribing Input adapter was emitting a Notice informational log message that reported the adapter's current queue size on receipt of every Tibrv message. This was fixed.
SBâ 19560	A race condition in memory Query Table pooling was found and fixed. This issue could only be triggered when updating a memory Query Table from two or more different parallel regions simultaneously.

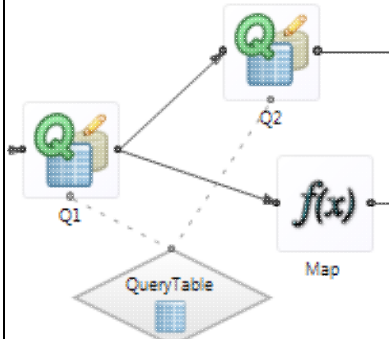
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SBâ 19461	The SettlDate field was added to the data dictionary for the EBS adapter.
SBâ 19437	Java code that implemented the FXall Trading Provider and Trading Customer adapters was assigning names to schema instances constructed by the adapters, which sometimes caused a typechecking conflict if customer code specified a named schema with the same name. These adapters were updated to not assign names in Schema() constructors.
SBâ 19433	In previous releases, setting the Log Level to -1 or -2 was honored when using the <code>streambase.log-level</code> system property, but not when using the <code>STREAMBASE_LOG_LEVEL</code> environment variable. This was corrected.
SBâ 19424	An internal redundancy in the Log adapter was corrected. Customers who use the Log adapter configured at DEBUG or TRACE level in performance-sensitive paths should experience a significant performance improvement.
SBâ 19398	Error messages from the <b>sbargen</b> command now include file names for each error line.
SBâ 19301	In previous releases, the RMDS Contribute adapter was responding with an error in response to certain ACK and NAK messages. The cause was determined and corrected.
SBâ 19293	The StreamBase .bin file installer for Solaris for Intel would sometimes fail to extract files. This was corrected.
SBâ 19288	ERROR messages were enhanced to include the name of the operator in which the error occurred.
SBâ 19273	The Reuters RMDS Contribution Output adapter was reading its configuration file in a nonstandard way that prevented applications that included this adapter from being bundled. This was corrected.
SBâ 19260	The FXall Relationship Trading Provider was inadvertently discarding an order when a quote for the order was withdrawn. This was fixed.
SBâ 19181	The <code>getLeadershipStatus()</code> function in the StreamBase expression language was not correctly working when used as part of a filtered subscribe predicate in a client application. This was fixed.
SBâ 19024	In previous releases, invalid time and date format streams were causing hard-to-decipher error messages on startup of StreamBase Server. Such errors are now better caught at typecheck time, and if not detected during typecheck, a more informative error message is produced.
SBâ 19010	In previous releases on Windows, a space in a path set by the TMP environment variable was not recognized. This was fixed.
SBâ 18918	In previous releases, some exceptions thrown during application startup were missing some information when the application was loaded by means of the <b>sbadm addContainer</b> command. This was corrected.
SBâ 18792	In previous releases, in a custom Java operator or adapter, running the <code>typecheck()</code> method would sometimes remove the Description attribute for subtuple fields in a schema that included a list of tuples. This was corrected.
SBâ 18749	In recent releases, the default value for the Java property <code>streambase.tmpdir</code> was used even when a customer specified a different value on the <b>sbd</b> command line. This was corrected, and user-specified values are once again honored.
<b>Fixed in 6.6.11</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.11 incorporates all fixes resolved in the release 6.5 series through release 6.5.12. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 19110	Expressions that combined a StreamBase constant with an asterisk to indicate all fields were incorrectly failing to typecheck. This was fixed.

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SBâ 19137	The 29West LBM Publishing output adapter was throwing a NullPointerException when run with <code>streambase.operator.parameters.log-level</code> set to 3. This was corrected.
SBâ 19028	In previous releases, there were cases where Studio would show a typecheck error due only to field ordering differences between two schemas, but the same module would run as expected in StreamBase Server. Studio typechecking was corrected.
SBâ 19022	In previous releases, when using a valid, defined parameter in <code>\${PARAMETER}</code> format in the Join operator's Tuple-based Settings tab, Studio failed to substitute parameter values, resulting in a typecheck error. This was fixed.
SBâ 19013	Some parts of the C++ Client Library were ignoring the <code>STREAMBASE_XMLRPC_TIMEOUT</code> variable, leaving the XML RPC timeout at zero, meaning wait forever. This was corrected.
SBâ 18929	The FIX data dictionary used by the Currenex adapter was corrected to use data type <code>int</code> for field tag 460 with name "Product".
SBâ 18980	Modules with complex module importation patterns were generating spurious typecheck errors. For example, let's say file <code>A.sbint</code> defines named schema A; file <code>B.sbint</code> defines schema B which has a tuple field of type A (imported from <code>A.sbint</code> ); then file <code>C.sbapp</code> imports from <code>B.sbint</code> . In previous releases, module <code>C.sbapp</code> would show a typecheck error, complaining that schema A could not be found. This was corrected.
SBâ 18960	The Studio Visual Debugger would sometimes miss breakpoints in complex applications that use extension points, especially those set before a Once adapter or other functionality that occurred early. The debugger was corrected for those cases.
SBâ 18905	A memory leak in list handling in the C++ and .NET versions of the StreamBaseClient API was fixed.
SBâ 18864	When using the Extract as Module command from the context menu in Studio, layout information was being written to the <code>.sbapp</code> file, even when the preference was set to use <code>.sblayout</code> files. This was corrected.
SBâ 18838	Applications that specified JDBC data sources could be bundled, but the bundle would sometimes not run, reporting an error message that the data source was modified since the application was compiled. This was corrected.
SBâ 18809	<p>The Reuters RMDS Publishing adapter was issuing a confusing error message that reported "no subscribers" after responding to an incoming subscribe request for a RIC.</p> <p>The expected usage is for the StreamBase application to always issue a REFRESH action in response to a subscribe request before issuing any updates. Accordingly, the adapter was updated to distinguish the true no-subscriber case from the case immediately after receiving a subscribe request. The WARN message for the latter case now reads "There are 0 pending snapshots and 1 pending subscriptions but no active subscriptions for item <i>RICname</i>. Consider publishing a REFRESH instead."</p>
<b>Fixed in 6.6.10</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.10 incorporates all fixes resolved in the release 6.5 series through release 6.5.11. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	

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SBâ 18901	<p>In a rare configuration where the output port of one Query write operator was shared by two arcs, one leading to a second Query write operator updating the same Query Table, "old" table rows emitted to the third operator (such as the Map operator shown here) could contain incorrect values. The data in the Query Table itself was not corrupted. The condition was not triggered when the first Query operator was followed by any single operator, such as a Split connected to the second Query and third operators. The cause of the problem was identified and corrected.</p> 
SBâ 18566	<p>In previous releases, when using the Query operator for Write-Insert or Write-Update operations, if you selected Output these values instead for the behavior-on-failure control, the default value provided for tuple fields was <code>tuple (null)</code>, which failed to validate. This was corrected, and the default value now provided for all data types is simply <code>null</code>.</p>
<b>Fixed in 6.6.9</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.9 incorporates all fixes resolved in the release 6.5 series through release 6.5.11. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 18869	Message throughput of the 29West LBM Publishing adapter was not at the expected level compared to a similar Java client. This was corrected.
SBâ 18868	The 29West LBM adapters were failing to locate their configuration files on the resource search path, leading to a conflict between Studio typechecking and runtime typechecking. This was corrected.
SBâ 18867	The 29West LBM Subscribing input adapter could fail to subscribe to a topic. This was fixed.
SBâ 18847	The 29West LBM Publishing Output adapter was emitting the error topic already associated with a source because idle topics were inadvertently discarded after a short period of inactivity. The cause was identified and fixed.
SBâ 18846	Shutting down a container that includes a FIX adapter before it has completely initialized no longer throws an exception.
SBâ 18845	A custom aggregate function called by a defined alias was failing when reused with a different schema. The cause was identified and corrected.
SBâ 18731	When running a feed simulation, using the rate slider control in the Feed Simulations view could sometimes cause the simulation to stop sending data and enter an infinite loop. This was fixed.
SBâ 16212	Typechecking tests were added to the Field Serializer Operator so that it now reports when the Edit Schema tab in the Properties view is null or empty.
<b>Fixed in 6.6.8</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.8 incorporates all fixes resolved in the release 6.5 series through release 6.5.10. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	

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SBâ 18807	In-memory Query Tables that use secondary indices were optimized to reduce their memory overhead. Improvements on the order of 10 to 25% less overhead have been seen in real world applications.
SBâ 18305	StreamBase bundle files created with the <code>-c</code> option were correctly generating a precompiled archive file, and the <code>.sbar</code> file was included in the bundle. However, when running such a bundle, StreamBase Server would sometimes not use the <code>.sbar</code> file, resulting in slower startup times than expected. This was corrected.
SBâ 18726	In previous releases, only selecting without changing a Module Reference that contained a placeholder table would incorrectly flag the EventFlow Editor session as needing to be saved. This was fixed.
SBâ 18716	A version issue with the MarketFactory API JAR file included with StreamBase was corrected.
SBâ 18713	File chooser dialogs in Studio were failing to show StreamBase interface files imported from other modules. This was fixed.
SBâ 18672	In previous releases, the return type of custom Java functions was not checked for validity. This was corrected.
SBâ 18669	A race condition was found and corrected that could cause a DLL crash in the Microsoft Excel external adapter when used with Excel 2010.
SBâ 18661	In the EBS adapter, a Mina parsing error was corrected.
SBâ 18658	The Currenex and EBS output adapters were reporting a null pointer exception when tuples were sent before the adapter's FIX connection was established. Now tuples sent to these output adapters before the connection is established are dropped and reported on the console.
SBâ 18582	In previous releases, if you began a Property view edit, then switched to a non-EventFlow Editor session, then back, your edits were not preserved. This was corrected.
SBâ 18481	StreamBase JUnit tests with an external data source configured in the server configuration file could fail with the erroneous error <code>data source is already defined</code> . This was corrected.
SBâ 18425	The Load StreamBase Component Exchange dialog could appear to be empty if you scrolled to the bottom of the dialog and then used the search feature. This was fixed.
SBâ 17726	In some cases, an operator parameter specified in the server configuration file was not correctly expanded when referenced with <code>\${param}</code> in a module parameter. This cause was identified and corrected.
<b>Fixed in 6.6.7</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.7 incorporates all fixes resolved in the release 6.5 series through release 6.5.10. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 18627	The EBS adapter was updated to not require the Username, Password, or NewPassword properties in its configuration file when the adapter runs as an acceptor.
SBâ 18593	The FIX adapter, and adapters based on it, including the EBS adapter, could fail to read FIX 5.0 data dictionary files when running with the QuickFIX/J FIX engine. This was corrected.
SBâ 18529	The Reuters RMDS Publishing Output adapter was publishing ASCII and UTF-8 strings incorrectly, and in a way that could not be consumed by Microsoft Excel clients. This was fixed.
SBâ 18526	The Reuters D3000 adapter honored the resource search path during typechecking, but failed to honor it at runtime. This caused the adapter to fail to locate its instrument price format file if placed in a different directory than the StreamBase application file. This was corrected.

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SBâ 18461	The CSV File Writer adapter was failing to recover from a disk full event, and did not continue writing output when disk space was cleared. This was fixed.
<b>Fixed in 6.6.6</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.6 incorporates all fixes resolved in the release 6.5 series through release 6.5.10. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 18337	An issue involving Query read operations that used complex group-by expressions was identified and fixed.
SBâ 18259	In previous releases, Studio was incorrectly flagging as a duplicate action error certain expressions that used an asterisk in both Field Name and Expressions columns. This was corrected.
SBâ 18165	When using multiple TIBCO Rendezvous embedded input adapters in the same StreamBase application, a race condition could result in spurious warnings and null pointer exceptions when under heavy message loads. This was fixed.
SBâ 18160	The TIBCO Rendezvous embedded input adapter now allows a specific field ID to be present at multiple levels in a Tibrv message.
SBâ 18045	In previous releases, if the IBM WebSphere MQ output adapter was configured to not generate XML from tuple fields, and the adapter's input schema contained both a payload (string) field and a metadata (tuple) field, then the adapter could generate an erroneous typecheck error: "Error(s) in schema of input port (1): Exactly one field (of type string) must be present when not generating XML from tuple fields". This was corrected.
SBâ 17968	In previous releases, if a Query-Read operator used an imported table schema and specified match input with null values if now rows were found, the Query operator would fail typechecking after modifying the table schema; but the typechecking state was cleared just by selecting the Query operator and re-saving the module. This cause for this condition was identified and corrected.
SBâ 17869	In previous releases, StreamBase JUnit tests did not set the library path for the StreamBase Server that the test invoked to run the test, which prevented any module that used disk-based Query Tables to fail to run. As of release 6.6.6, JUnit tests set the library path to <code>STREAMBASE_HOME/lib</code> or <code>/lib64</code> , as appropriate for the server version you are testing with.
SBâ 17821	In previous Studio releases, for EventFlow applications with very long description text for any component, running View Source from the context menu of the canvas would create a non-resizable window the full width of the monitor. This was fixed, and the source view window is now always resizable.
SBâ 17799	Threading and performance issues in the CSV Socket Writer adapter were identified and corrected.
SBâ 17551	StreamBase Admin operators that specified the correct URI syntax were still not correctly connecting to remote servers. This was fixed.
SBâ 17294	In StreamBase Manager, the field that reports the CPU usage of a process was not correctly showing large percentage numbers. This was corrected.
<b>Fixed in 6.6.5</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.5 incorporates all fixes resolved in the release 6.5 series through release 6.5.9. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 17662	A rare deadlock situation involving parallel access to memory-based Query Tables was fixed.

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SBâ 17661	The ActivFeed Input adapter was updated to use the originating exchange's time zone when processing timestamp fields, as specified by Activ.
SBâ 17649	In previous releases on Linux, the <code>stop</code> subcommand of the <code>/etc/init.d/streambase</code> script failed to stop a running instance of StreamBase Server. This was corrected.
SBâ 17633	The Reuters RMDS Publishing Output adapter was not setting an expected flag to indicate completion in non-hierarchical refresh messages. This was corrected.
SBâ 17619	Running <code>sbd â b</code> at the <a href="#">StreamBase Command Prompt</a> was producing a crash report. The cause was identified and corrected.
SBâ 17600	The Reuters RMDS Publishing Output adapter could lose track of subscriptions to a RIC when two clients subscribed and the second client unsubscribed. This was fixed.
SBâ 17573	The Extension Point operator was failing to enforce unique reference names for modules. This was corrected.
SBâ 17550	Some StreamBase adapters, including the FIX adapter and adapters that inherit from it, allow you to set a logging level independently of the hosting StreamBase Server's logging level. In previous releases, this feature worked for the Logback logging mechanism that is used by Studio and when <code>sbd</code> is run interactively. However, the adapter log levels did not work with the log4j logging mechanism that is used when running <code>sbd â b</code> or when running StreamBase Server as a Windows service. As of releases 6.5.9 and 6.6.5, adapter log level settings are honored in all contexts.
SBâ 17545	When the Copy Schema From dialog prompted to save the application, and you did save, the Copy Schema dialog failed to reappear. This was corrected.
SBâ 17499	A schema-bearing operator followed by a downstream operator with a declared schema was causing an <code>EvalPluginException</code> if the declared schema specified a different field order. This was fixed.
SBâ 17443	The StreamBase Server configuration file validator failed to support custom functions that took a list of tuples as an argument. This was fixed.
<b>Fixed in 6.6.4</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.4 incorporates all fixes resolved in the release 6.5 series through release 6.5.8. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 17427	A rounding error was affecting the feed simulator when using a CSV data file as input and the Timestamp from column feature, with the result that timestamps with millisecond components were batched into one second groups. This was corrected.
SBâ 17425	Calling <code>Schema.getName()</code> in the <code>typecheck()</code> method for a Java operator or adapter once again returns any schema name set in the properties for that operator or adapter. This capability was present in early 6.5.x releases, was inadvertently removed, and is now restored in releases 6.5.9 and 6.6.4.
SBâ 17497	In the StreamBase .NET API, running <code>Tuple.SetList()</code> for a list of longs was throwing an exception. This was fixed.
SBâ 17417	The Studio typecheck cache was not correctly flushed when an imported table schema was modified with a new field. This was corrected.
SBâ 17392	The installer for 64-bit Windows now creates the placeholder registry key <code>sbd64.n.m</code> for the authentication keys that can be configured for the 64-bit version of StreamBase Server, as described on <a href="#">StreamBase Registry Keys on Windows</a> .
SBâ 17366	Typecheck errors could be seen in a newly created EventFlow application that was created with File â New with the Implement interfaces option selected <i>and</i> the selected interface used schemas that imported schema definitions. This was corrected.

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SBâ 17335	The combination of a Java operator with a schema and an immediately downstream operator with an explicitly declared schema could fail with an internal error if the explicit schema defined fields in a different order. The internal error condition was eliminated.
SBâ 16827	The Edit Table Schema dialog was failing to draw scrollbars for very large schemas, which prevented the Add, Edit, and Remove buttons from showing. This was fixed.
<b>Fixed in 6.6.3</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.3 incorporates all fixes resolved in the release 6.5 series through release 6.5.8. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 16999	If the text of a Note component on the EventFlow canvas contained a string such as <code>{text}</code> that could be interpreted as a reference to a variable or parameter, the containing module gave a typecheck error. This was corrected by URL encoding such strings in the EventFlow XML.
SBâ 17267, SBâ 17237	In previous releases, there were issues with table references, where a Query Table in module A referenced a placeholder table in a Module Reference to module B, and module B in turn imported table schemas from module C. Symptoms included an inability to access the Query Table in module A, and the secondary index failing to appear as an index option for Query Read operations. The cause of these issues was identified and corrected. See also the <a href="#">related entry</a> in the Known Limitations table.
SBâ 17158	In the QuickFIX/J library used by the FIX adapter, the FIX message field <code>OrigSendingTime</code> , optionally included in the adapter output schema, now checks the QuickFIX/J configuration setting <code>MillisecondsInTimeStamp</code> , also used by the <code>SendingTime</code> field, to determine whether to include milliseconds. This setting is set to <code>Y</code> by default.
<b>Fixed in 6.6.2</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.2 incorporates all fixes resolved in the release 6.5 series through release 6.5.7. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 17170	In release 6.6.1 only, an inadvertent error prevented using the mouse to connect the second and subsequent arcs from an operator or module reference with two or more output ports to the next downstream component. In 6.6.1, keyboard shortcuts and context menu actions were unaffected and still worked normally to make the same arc connections. The mouse arc connection issue was fixed in release 6.6.2.
SBâ 17124	When using the Alpha Trading Systems EMAPI Order Entry adapter, the Passive Only field was inadvertently set to null for update messages. This was corrected.
SBâ 17189	A cache used in conjunction with Query Tables was causing excessive object creation during Query Table writes, which in turned caused excessive garbage collection activity. This was fixed.
SBâ 17185	StreamBase Server collects statistics as it runs and emits those as tuples from the <code>system</code> container's <code>stat</code> stream. The collection of statistics for the <code>stat</code> stream was optimized to improve caching and to prevent allocating excessive objects. The default size of the <code>stat</code> stream's tuple cache was changed to dynamically grow as needed by the application. You can control the <code>stat</code> stream's cache size by means of the system property <code>streambase.max-stat-tuples-cache</code> . The default value is <code>1</code> .
SBâ 17165	

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An error with Query Table replication was fixed for cases of two tables with the same name but different schemas in the same application.	
<b>Fixed in 6.6.1</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.1 incorporates all fixes resolved in the release 6.5 series through release 6.5.6. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 17080	In release 6.6.0, there were cases where the Properties view for a Module Reference could lose its connection to the underlying EventFlow Editor, which forced re-entering property settings. In release 6.6.1, the cause was identified and corrected.
SBâ 17066	StreamBase client applications written with the C++ Client Library could enter a loop that consumed 100% of CPU resources, if the client application called <code>dequeue ()</code> with a 0 timeout, and no tuples were enqueued to any stream that client subscribed to. The cause was identified and corrected.
SBâ 16968	The StreamBase IBM WebSphere MQ Adapter was not emitting an Event Port tuple when it was unable to process a message. This was fixed.
SBâ 16950	The Interface tab of the Interface Editor could draw with its buttons inaccessible under the right window edge if an interface or component had a very long description. Starting with 6.6.1, a horizontal scroll bar appears in these cases.
SBâ 16898, SBâ 17031	The Extension Point operator, introduced in release 6.6.0, was not initially compatible with the Trace Debugger. This was corrected, and you can now step through tuple traces for applications that include both Extension Points and Module References.
SBâ 16766, SBâ 16767	In previous releases, if you renamed a table schema, locally defined tables that used that table schema failed to be updated. Similarly, if you renamed a named schema used by a table schema, locally defined table schemas were not updated. These issues were fixed.
<b>Fixed in 6.6.0</b>	
<b>Number</b>	<b>Resolution</b>
Release 6.6.0 incorporates all fixes resolved in the release 6.5 series through release 6.5.5. See <a href="#">Limitations Resolved in 6.5.x</a> for details.	
SBâ 16777	In previous releases, StreamBase erroneously provided schema, schema field descriptions, and schema names at runtime. These properties are only maintained during application development and have no meaning during application runtime.
SBâ 16706	The performance of paste operations in an EventFlow application when the clipboard contains many items was dramatically improved.
SBâ 16004	In previous releases, typechecking in StreamBase Studio sometimes failed to ignore references to file resources in the file system outside of the Studio workspace. This applied both to EventFlow module files and resource files (such as CSV input files) on the <a href="#">module search path</a> . As of release 6.6.0, Studio strictly requires referenced files to be in the Studio workspace.
SBâ 11376	Previously, when intermediate stream dequeuing was enabled, it was also possible to enqueue into intermediate input streams. This was corrected so that non-public inner module streams remain private, even with ISD enabled.

## Resolved in Previous Releases

See the [Release Note Archives](#) for the list of issues resolved in previous releases.

## Known Limitations

This section describes known limitations in the current release of StreamBase. Each item includes a tracking number, description, and whenever possible, one or more workarounds.

SBâ 21700	Client reconnection inside an sbunit test fails if containers restart.	
	<b>Description</b>	It is valid to create a <code>StreamBaseClient</code> instance as part of an sbunit test, and subscribe an output stream or enqueue to an input stream from that client. However, if you stopped a container while this client is connected to the server under test, the client fails to reconnect.
	<b>Workaround</b>	None.
SBâ 20449	Display issues with years before 2 AD.	
	<b>Description</b>	The timestamp data type can hold timestamp values in the range $-2^{62}$ to $(2^{62})-1$ , and can successfully display any future date in the next 146 million years and any past date to approximately 2 AD. However, the year value for dates earlier than 2 AD may not display correctly.
	<b>Workaround</b>	None.
SBâ 20347	Cannot run the <code>eval()</code> function with <code>sbd --eval</code> .	
	<b>Description</b>	The <code>eval()</code> function does not run successfully at the command prompt with <code>sbd --eval</code> , but it does run as expected in EventFlow and StreamSQL expressions.
	<b>Workaround</b>	None.
SBâ 18725	On-disk Query Tables not showing in the Variables view when debugging.	
	<b>Description</b>	When using the Visual EventFlow Debugger on an application that uses an on-disk Query Table, the entry for the Query Table does not show as expected in the Variables view.
	<b>Workaround</b>	None.
SBâ 18495	Trace Debugger highlight colors do not clear automatically.	
	<b>Description</b>	When closing or switching away from using the Trace Debugger perspective, the EventFlow Editor might still show color highlighting from the tracing session.
	<b>Workaround</b>	Close and reopen the EventFlow Editor.
SBâ 18189	Some Windows UI themes fail to render borders.	
	<b>Description</b>	On some Windows UI themes, such as the Windows XP Classic theme, some UI elements are rendered without a border. This affects the JDBC SQL text box of the Query operator, among other elements.
	<b>Workaround</b>	Try a different Windows theme.
SBâ 18049	Do not define StreamBase constants along with certain expression language functions.	
	<b>Description</b>	A limitation prevents StreamBase constants from working correctly if any of certain expression language functions are used in the definition of the constant. The result is a failure of the constant. Functions affected by this limitation include: any custom C++ function, <code>get_conf_param()</code> , <code>get_*_conf_param()</code> , <code>getContainer()</code> , <code>getErrorType()</code> , <code>getErrorAction()</code> , <code>getLeadershipState()</code> , <code>getNodeName()</code> , <code>getPath()</code> , <code>format()</code> , <code>regexmatch()</code> , <code>regexmatch_ignorecase()</code> , <code>regexsplit()</code> .
	<b>Workaround</b>	Define the same constant as a dynamic variable.
SBâ 17976	Visual debugger cannot step into multiple instance modules.	
	<b>Description</b>	The Studio visual debugger is not able to step into modules for which the Concurrency or Multiplicity has been enabled, which creates more than one instance of the module at run time.
	<b>Workaround</b>	Temporarily disable the concurrency setting for the duration of your debugging session.
SBâ 17463	Visual Studio 2010 issues.	
	<b>Description</b>	

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		StreamBase does not support Microsoft Visual Studio 2010, although future support is under consideration. If you open an existing StreamBase .NET client application in Visual Studio 2010, it automatically re-targets the project to .NET 4.
	<b>Workaround</b>	To continue developing your StreamBase application in Visual Studio 2010, you must either (a) re-target the Visual Studio project back to .NET 2 or 3, or (b) write an Application Configuration File for your project as described in the Visual Studio documentation. If you choose the latter option, be sure to distribute the Application Configuration File with your .NET client application's installer.
SBâ 17414	Order of layout parameters changed one time after import into 6.5 or later.	
	<b>Description</b>	When importing an EventFlow module created with StreamBase 6.4 or earlier into StreamBase 6.5 or later, some layout parameter lines may shift positions in the <code>.sblayout</code> file (or <code>.sba</code> files if you do not use separate layout files). This may affect difference comparisons or version control.
	<b>Workaround</b>	The reordering of layout parameter lines is a one-time occurrence after the first save in StreamBase 6.5 or later. Thereafter, these lines are stored consistently with each save.
SBâ 17306, SBâ 17182	Unexpected property changes can result from typecheck errors in a module from which other modules import.	
	<b>Description</b>	If you define schemas and table schemas in a definitions module, such as module A, and you introduce a typecheck error into module A, then any currently open module, such as B, that imports module A also shows a typecheck error. If you then visit the Properties view for a failing component in module B, that table's imported table schema disconnects, and may result in the component updating themselves in the disconnected state. On save, the Query Table no longer references the imported table schema.
	<b>Workaround</b>	<p>Correct the error in the definitions module A prior to reselecting the imported table schema in the Table Settings tab of the Properties view for Query Tables in module B.</p> <p>To avoid this situation, StreamBase Systems recommends as a best practice that your definitions modules contain only schema definitions and no tuple processing components at all. The only exception is a Note component whose text can warn other developers not to edit the canonical tuple processing logic components there in any way.</p> <p>If your definitions module, A, <i>does</i> contain tuple processing components, and you inadvertently introduce a typecheck error in module A, then avoid selecting any component in any module that imports from module A. Instead, correct the error in and save module A, which removes the error condition from all importing modules.</p>
SBâ 16975	A project clean operation can interfere with typechecking.	
	<b>Description</b>	Running Project â Clean on a StreamBase project while EventFlow or StreamSQL Editors are open may leave those editors unable to complete typechecking under certain circumstances, especially when the module has references to Java operators, adapters, or functions.
	<b>Workaround</b>	Close and re-open the editor for the affected modules.
SBâ 16567	No warning for same name for a dynamic variable and its modifying field.	
	<b>Description</b>	If you use the same name for a dynamic variable and as the unqualified name of the updating expression field in that variable's updating stream, the dynamic variable does not update and the condition is not reported as a typecheck error.
	<b>Workaround</b>	Qualify the field name in the updating expression with <code>input .</code> to distinguish the field name from the dynamic variable name, or just rename the field.
SBâ 16555	Doubled menu items in Windows Start menu.	
	<b>Description</b>	The Start menu should be cleared when a previous StreamBase release is uninstalled, so that only one set of menu entries for the most recently installed release. However, on systems with more than one StreamBase release installed (such as releases 6.4 and 6.5), the uninstaller can sometimes fail to clear the Start menu.

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		<p>remove the old entries from the Start menu. In previous releases, this was not an problem. A new installer (for, say, 6.5.3) would simply overwrite the same entries for the previously installed release (say, 6.5.1).</p> <p>However, starting with release 6.5.4, the StreamBase installer now adds the release number to the Start menu entries for the StreamBase Command Prompt and for links to documentation. If an installer fails to clean up the Start menu for a previous 6.5 release, you may see both old and new entries.</p>
	<b>Workaround</b>	Uninstall the most recently installed release (such as 6.5.4). Manually remove its entire installation folder (such as Start > (All) Programs > StreamBase 6.5), then reinstall the new release.
SBâ 15750	Issues when pinning StreamBase icons to the Windows 7 task bar.	
	<b>Description</b>	StreamBase Studio runs well on Windows 7, with some minor exceptions related to the new pinning feature. These issues are the following: (1) When Studio is running, if you click a button to the task bar, the pinned button shows the generic Java icon, not the StreamBase icon. (2) When launching Studio from this pinned button, Windows 7 tries to run Java without Studio. (3) When launching the StreamBase Help Viewer, no Pin to Task Bar context menu appears. Studio shares the same task bar 7 issues with all Java-based programs.
	<b>Workaround</b>	You can pin the desktop Studio icon to the task bar, or pin the Studio entry in the All Programs list to the task bar. In these cases, the Studio task bar button does get the correct StreamBase icon. When launching from a button so pinned, a second button appears in the task bar for the current Studio session.
SBâ 15736, SBâ 15731	Unresponsive Studio buttons with newer versions of Linux GTK.	
	<b>Description</b>	When running Studio releases 6.5.0 through 6.5.4 on recent Linux distributions that provide a newer release of the GTK libraries, a known Eclipse bug prevents certain buttons in the Studio interface from responding to clicks. Keyboard shortcuts for the same functions are still active.
	<b>Workaround</b>	This bug does not affect the supported Linux distributions. If you install Studio 6.5.0 through 6.5.4 on an unsupported Linux distribution, you can work around the issue by setting the environment variable <code>GDK_NATIVE_WINDOWS=1</code> in the shell or script you use to start Studio. Studio releases 6.6.x are based on Eclipse 3.5.2, which does not exhibit this behavior.
SBâ 14862	Custom Java operators and adapters cannot include their own <code>janino.jar</code> .	
	<b>Description</b>	The StreamBase Server executable, <code>sbd[.exe]</code> , incorporates a customized version of the Janino library that include bug fixes that have not yet been absorbed by the Janino project. If you attempt to use the standard <code>janino.jar</code> implementation of Janino as part of a custom operator or adapter, the file conflicts with the version embedded in <code>sbd</code> .
	<b>Workaround</b>	Call Janino as part of StreamBase's <code>server.jar</code> , or see <a href="http://code.google.com/p/janino/">http://code.google.com/p/janino/</a> for public access to StreamBase's Janino bug fixes.
SBâ 14847	Studio on Linux fails to start, instead showing <code>org.eclipse.swt.SWTError</code> .	
	<b>Description</b>	This issue affects only StreamBase Studio 6.4.x releases, which are based on Eclipse 3.4.x. It occurs when installed on a Linux system that also has an installation of Firefox 3.x, or other Mozilla-based browser.
	<b>Workaround</b>	These problems do not occur with Studio 6.5 or later. Studio 6.4 users, see <a href="#">Xulrunner Issues</a> in the <a href="#">StreamBase</a> for instructions.
SBâ 14475	Entry in Studio Error Log view: Problems occurred when invoking code for plug-in: "org.eclipse.ui.console".	
	<b>Description</b>	The Error Log view in Studio might show an entry with the above description text and a stack trace that begins with <code>org.eclipse.swt.SWTException: Device is disposed</code> and includes lines of a stack dump that refer to <code>org.eclipse.swt.widgets.*</code> and <code>org.eclipse.ui.internal.console*</code> . The source of the error is a known Eclipse problem and can be safely ignored. It does not affect the operation of Studio.

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		in any way.
	<b>Workaround</b>	None needed.
	<b>sb-config --cxx</b> returns a setting for G++ 4.3, 4.4, or 4.5 on newer Linux distributions	
SBâ 14133	<b>Description</b>	On Linux, in StreamBase samples that build C++ code, some of the example Makefiles use <b>sb-config --cxx</b> as the correct usage to determine the G++ compiler to use. On newer Linux distributions, this command returns the distribution's default G++ 4.3, 4.4, or 4.5 compiler, which is not supported for building StreamBase client code, and <b>sb-config</b> does not honor the CXX environment variables.
	<b>Workaround</b>	On such systems, install GCC and G++ 4.2, and edit the Makefiles to specify <code>CXX=g++</code> .
	Recordings in Studio fail to play back against streams with imported schemas.	
SBâ 14239	<b>Description</b>	Since release 6.4.0, applications can use the Module Imports feature of the EventFlow Editor's Definitions tab to import schemas. If you use the Studio Recordings view to record the execution of such an application, it fails to play back.
	<b>Workaround</b>	Create a local copy of the imported schema in the application module that contains the stream, and specify the copy for use by the stream. Then re-record the application.
	Entry in Studio Error Log view: <code>error occurred while unconfiguring items to unimport</code>	
SBâ 14107	<b>Description</b>	Since release 6.4.0, an entry might be placed in the Eclipse Error Log view when you try to import third-party Eclipse plug-ins to Studio. The source of this error is a known Eclipse problem with ID 279024.
	<b>Workaround</b>	Exit Studio, remove the Eclipse configuration directory (not your workspace directory), and restart Studio. The location of the configuration directory for your StreamBase version is described in <a href="#">Installation Directories</a> .
	Filter operators with very large predicate settings may result in a runtime <code>EvalException</code> error.	
SBâ 13398	<b>Description</b>	Filter operators with several output ports and complex expressions to evaluate for each port may result in a <code>com.streambase.sb.runtime.exceptions.EvalException</code> error when you try to run the application that contains such a filter.
	<b>Workaround</b>	Add another Filter operator and split the predicate settings between the two Filter operators.
	Reuters RFA Configuration File wizard appears to not connect under Windows Vista or Windows 7.	
SBâ 13303	<b>Description</b>	Under Windows Vista and Windows 7, you can run the Reuters RFA Configuration File wizard, but the wizard's Test Connectivity page shows a red X and the Test Connection button remains disabled.
	<b>Workaround</b>	This wizard makes changes to the Windows registry, and under the Vista and Windows 7 model, registry changes require administrator permissions. For these operating systems, follow the procedure described in <a href="#">Special Steps for Windows Vista and 7</a> .
	Application output view does not display UTF-8 characters.	
SBâ 13113	<b>Description</b>	Both StreamBase Server and StreamBase Studio are fully capable of processing and displaying Unicode character sets, but neither is set to do so by default.
	<b>Workaround</b>	Follow the instructions in <a href="#">Unicode Support</a> to configure StreamBase Server, Studio, and StreamBase client applications to process the UTF-8 character set.
	JDBC database errors related to string lengths.	
SBâ 13021	<b>Description</b>	Due to the removal of string lengths in StreamBase as of release 6.3, some static checking of table sizes is no longer possible. This can lead to database-specific errors, possibly including truncation, if a StreamBase application attempts to insert into a JDBC table string values that are too wide for the JDBC table's schema.
	<b>Workaround</b>	None.
	Java and C++ format doubles differently.	

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		<b>Description</b>	When displaying integer-like values of type double, Java code outputs the value with a zero and zero appended (34.0), whereas C++ code outputs the same value without those features. The same double values output to <code>stdout</code> with <b>sbc dequeue</b> and <b>jsbc dequeue</b> are formatted differently.
		<b>Workaround</b>	None.
SBâ 12403	Pattern operator's error output port is not operational		
	<b>Description</b>	You can enable an error output port for the Pattern operator as for any operator, using a port in the General tab of the Properties view. However, such a port for the Pattern operator is not supported.	
	<b>Workaround</b>	None.	
SBâ 12401	Clients connecting to <b>sbproxy</b> with misconfigured SSL may hang.		
	<b>Description</b>	Client applications attempting to make a secure connection to StreamBase Server by means of the <b>sbproxy</b> server may hang if the client or server is not configured to support SSL.	
	<b>Workaround</b>	Carefully review your SSL configuration setup.	
SBâ 12136	On 32-bit Windows, some third-party applications can interfere with StreamBase Server starting.		
	<b>Description</b>	In recent releases, StreamBase Server is started by default with a requested maximum memory size of 512 or 1024 MB. Certain third-party applications, including Apple's Bonjour program, lock up a large block in the middle of available RAM, which can prevent StreamBase Server from reserving a contiguous block of memory.	
	<b>Workaround</b>	You can (1) reduce StreamBase Server's maximum memory size request by adjusting the <code>maxMemory</code> section of the server configuration file, (2) remove the competing program, such as Bonjour, or (3) upgrade to a supported 64-bit Windows platform.	
SBâ 11964	Case-sensitive Unicode regular expressions require Java 1.6.		
	<b>Description</b>	When running StreamBase with Java 1.5, with Unicode support enabled as described in <a href="#">Unicode Support</a> , the <code>regexmatch()</code> expression language function behaves as if an ignore-case flag is enabled.	
	<b>Workaround</b>	To have both case-sensitive regular expressions and Unicode support, you must run StreamBase on Java 1.6, which is the default JDK shipped with StreamBase.	
SBâ 11387	Visual debugger slows application execution.		
	<b>Description</b>	Running an application while it is being debugged by the StreamBase visual debugger incurs a significant performance cost in terms of the peak message rate that the application can handle. For production use, do not enable the debugger. Also, be aware of the possible changes in speed of execution when enqueueing large amounts of data to an application being debugged.	
	<b>Workaround</b>	None.	
SBâ 11279	JDBC Operator, no blob inserts with DB2 and batching.		
	<b>Description</b>	Due to DB2 driver issues, the JDBC Operator cannot insert blob fields when batching is enabled. This is specific to DB2 and does not affect other supported databases.	
	<b>Workaround</b>	None.	
SBâ 11245	RFA/Java Configuration: Test Connection sometimes fails with RTIC servers.		
	<b>Description</b>	The RFA/Java Configuration Wizard and Reuters Schema Designer, under certain conditions, fail to access the server. This occurs when using the Configuration Wizard's Test Connection button and the Schema Designer's Discover Services and Start FIDs Local buttons.	
	<b>Workaround</b>	None needed. Despite the reported connection failures, the RFA/Java configuration file generated by the wizard is valid and usable by the Reuters RMDS subscribing adapter.	
SBâ 11152	<b>Description</b>	Error message shows on wrong Properties view tab for the Aggregate operator.	

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		When setting up an Aggregate operator with a group option, some typechecking error messages are only in the General tab, not the Group Options tab where the error occurred.
	<b>Workaround</b>	None.
SBâ 11130		Focus in the Debug view is sometimes lost while stepping through debugging.
	<b>Description</b>	Focus in the Debug view can be intermittently lost while stepping through an application, such as when frequently pressing the F6 button.
	<b>Workaround</b>	If the focus becomes lost in the Debug view during execution stepping, you can reselect the execution stack of the Debug View and continue stepping.
SBâ 11117		Test Editor might not update changes in an open Feed Simulation file.
	<b>Description</b>	If a StreamBase Feed Simulation file is modified while a Test Editor is open that references the simulation, the Test Editor may not update its contents until it is closed and reopened.
	<b>Workaround</b>	Close the Test Editor before editing a Feed Simulation file referenced in the test.
SBâ 10983		Reuters RFA Publishing Adapter not shipped for Linux
	<b>Description</b>	Because of a change in C++ libraries, the Reuters RFA Publishing external adapter is not supported on Linux in StreamBase 6.x or 7.x.
	<b>Workaround</b>	Use the new Reuters RMDS Publishing embedded adapter.
SBâ 10792		The Query operator converts a JDBC data type differently when using explicit schemas than when using implicit schemas.
	<b>Description</b>	When explicit schemas are used, the Query operator does not use database metadata to do the mapping between JDBC data types and StreamBase data types. The JDBC data type <code>Types.TIME</code> is normally converted to an interval timestamp since it has a time, but no date component. When explicit schemas are used, there is no database type information, so <code>Types.TIME</code> is converted to an absolute timestamp.
	<b>Workaround</b>	None.
SBâ 10486		Hierarchical data restrictions.
	<b>Description</b>	Patterns by value do not support using nested data for their on-value portion. Similarly, patterns by key cannot be used as the index or primary key of a Query Table.
	<b>Workaround</b>	Design schemas so that the intended sort field or key is a top-level numeric or timestamp field, as described in <a href="#">StreamBase Pattern Matching Language</a> .
SBâ 10363		No StreamBase data type corresponding to Sybase timestamp.
	<b>Description</b>	When used with Sybase data sources, StreamSQL fails to convert timestamps, resulting in runtime errors. This is because the Sybase <code>timestamp</code> is based on the Sybase <code>varbinary date</code> type.
	<b>Workaround</b>	In StreamSQL code that will be used for Sybase data sources, use the Sybase <code>datetime</code> type instead of <code>timestamp</code> .
SBâ 10298		Hierarchical schemas defined in StreamSQL cannot be re-used in StreamBase Studio.
	<b>Description</b>	StreamBase does not provide a way to share a hierarchical schema between StreamSQL and EventFlow application types.
	<b>Workaround</b>	Use the Named Schemas and Saved Schemas features of Studio.
SBâ 7550		Limit on Feed Simulation Editor fields.
	<b>Description</b>	Very large feed simulations with more than about 160 fields can crash StreamBase Studio. To avoid this, click the Customize Fields button.
	<b>Workaround</b>	Limit the size of feed simulations or break large simulations into two pieces.
SBâ 7446		Starting a StreamBase application fails with a <code>Not enough space</code> error.
	<b>Description</b>	On small systems, StreamBase may run out of virtual memory during the pre-compilation phase. This error is reported as an error message from StreamBase Server: <code>CompilationException</code> .

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		exception: Not enough space
	<b>Workaround</b>	Increase the size of your system's paging file.
SBâ 7148	Invalid byte error when opening EventFlow application.	
	<b>Description</b>	Studio sometimes fails to open an EventFlow application with this error:  <code>org.xml.sax.SAXParseException: Invalid byte 1 of 1-byte UTF-8 sequence</code>
	<b>Workaround</b>	Perform the following steps to recover:  <ol style="list-style-type: none"> <li>1. Close the EventFlow Editor, if it is open.</li> <li>2. Open the EventFlow file in a text editor. For example, in StreamBase Studio, right-click the file and choose Open With â Text Editor.</li> <li>3. In the source, find any multi-byte characters that might have been pasted from a rich text source (for example, formatted text that was copied from Microsoft Word into a text field in an EventFlow Editor Properties view).</li> <li>4. Remove the multi-byte characters or any other characters that might be causing the error. Typically, the characters to remove appear as a square box. Replace them with the correct characters you type in manually.</li> <li>5. Confirm that the application opens in the EventFlow Editor (repeat step 2 to re-open the EventFlow Editor).</li> </ol>
SBâ 7075	Changing perspectives can rearrange the Studio toolbar.	
	<b>Description</b>	The position of toolbar sections can change when you go from perspective to perspective. When going from the Authoring to the Demo perspective and back.
	<b>Workaround</b>	Eclipse toolbars do not have fixed locations, so this is expected behavior.
SBâ 6984	Actions unavailable when all folders are selected.	
	<b>Description</b>	After you collapse a Group in the EventFlow editor, Select All selects all the items in the group. However, actions performed on the group do not succeed. For example, Delete does not delete items inside a group.
	<b>Workaround</b>	Uncollapse the group before performing the action.
SBâ 6862	Not all databases have native blob support.	
	<b>Description</b>	For example, Microsoft SQL Server and Sybase do not have blob support. For these databases, you can write blobs into varbinary and possibly other types. But when blobs are read from a selected table, they are returned as strings, not blobs.
	<b>Workaround</b>	Add a Map operator and convert the string to a blob.
SBâ 6356	Large applications cannot be debugged in StreamBase Studio.	
	<b>Description</b>	When running an application in debug mode in StreamBase Studio that contains many classes (a range of hundreds, including all modules), it is possible to cause Studio to display and log an error message about running out of handles. The error message may vary, but the symptom is that Studio is unable to display all the intermediate streams in the Application Output View or the Main Output View.
	<b>Workaround</b>	Limit the number of output streams the application will expose when running in debug mode by setting the server's JVM property to include the following:  <pre>streambase.codegen.intermediate-stream-dequeue-regex=(regex)</pre> For example, setting the JVM arguments to include: <pre>-Dstreambase.codegen.intermediate-stream-dequeue-regex=Map\ StreamBase\ </pre>

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		intermediate stream that contains the pattern of a Map followed by a digit to be exposed as a dequeable stream. All other intermediate streams normally available in debug mode will be available.
SBâ 6346		Custom function C++ code typechecking is delayed until the application is generated.
	<b>Description</b>	Most portions of a StreamBase application are typechecked in real time as you add features to an EventFlow or StreamSQL application. However, starting with release 5.0, typechecking of a function written in C++ is delayed until the application is generated and run.
	<b>Workaround</b>	None. Be aware that typechecking errors may not be reported as usual when using custom functions.
SBâ 6327		StreamBase Server cannot run applications that generate class files with too long a name.
	<b>Description</b>	If you use modules, StreamBase can generate internal class names that are too long for the operating system, causing problems running StreamBase Server.
	<b>Workaround</b>	To avoid this problem, use small module reference names and minimize module nesting.
SBâ 6241		When an application is running in StreamBase Studio on Windows, the Manual Input view and other views are not shown in detail.
	<b>Description</b>	This is a known Eclipse bug. The problem occurs when you use the tab key. Borders and other decorations, and some controls can disappear.
	<b>Workaround</b>	Minimize and then maximize the window, or resize the affected view.
SBâ 5882		Tuple dimensions do not reset counter when another dimension closes a window early.
	<b>Description</b>	A tuple-based dimension that closes due to other dimensions (for example, after another dimension times out) does not reset its counter. When this happens, the next window will close based on the number of tuples received, resulting in a partially full dimension.
	<b>Workaround</b>	None.
SBâ 5848		Issue with parameterized modules and custom Java operators or embedded adapters.
	<b>Description</b>	In EventFlow applications, you cannot enter references to parameterized modules in custom operators or embedded adapters. This is due to a GUI limitation, currently under investigation, which prevents you from entering the required values.
	<b>Workaround</b>	Embed your custom Java operator or custom embedded adapter in a StreamSQL-defined module using the <code>APPLY MODULE</code> statement in the <a href="#">StreamSQL Guide</a> , and use an EventFlow module through which you optionally share parameter values.
SBâ 5779		SBAPP-to-SSQL Conversion Assistant resets module parameters to default values.
	<b>Description</b>	If you run the SBAPP-to-SSQL Conversion Assistant on an EventFlow application that contains module parameter references, the resulting StreamSQL application does not have any module parameter references. They are replaced by their default values.
	<b>Workaround</b>	After the conversion, edit the StreamSQL file to add the non-default module parameter references.
SBâ 5749		Feed Simulation Editor's data rate edit and save Issue on Linux.
	<b>Description</b>	In StreamBase Studio, the Feed Simulation Editor lets you set the rate (number of tuples per second) which data will be generated for a stream. On Linux only, if you use the keyboard to enter a value in the Data Rate text box, the new value might not be saved.
	<b>Workaround</b>	After clicking into the text box and entering the value, press Enter or change the cursor's position (for example, press Tab). Then press the Save icon or enter Ctrl+S. Note that if you press Ctrl+S when your cursor is within the Data Rate text box, the new value is not saved. You must press the Save icon.
SBâ 5602, SBâ 5599		Embedded Adapters and StreamSQL.
	<b>Description</b>	In StreamSQL applications, you cannot specify that an embedded adapter should start in a particular state, and you cannot manage the state of a running adapter in a StreamSQL application (you can with EventFlow applications).

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	<b>Workaround</b>	Use an EventFlow application with embedded adapters.
SBâ 4951	Problem running large applications in debug mode.	
	<b>Description</b>	Very large applications that run in standard mode may not start in debug mode, with error code too large.
	<b>Workaround</b>	Organize the application into smaller modules.
SBâ 4937	Problem when tuple in top-level module consumes large amounts of CPU time.	
	<b>Description</b>	If the processing of a single tuple in the top-level module consumes a large amount of CPU time, parallel modules in containers that are connected directly to output streams will see their CPU time blocked until the tuple or operator releases the CPU and the tuples can be passed to the next module.
	<b>Workaround</b>	Put the time-consuming computation into its own parallel module. This workaround may not solve the issue in all cases, because inter-module queues can grow very large, but may help in many cases.
SBâ 4931	SBAPP-to-SSQL Conversion Assistant does not support parallel operators.	
	<b>Description</b>	If your EventFlow application file has individual operators that are marked for parallel execution, the SBAPP-to-SSQL Conversion Assistant cannot generate equivalent functionality in the generated StreamSQL application because there is no direct analogy for parallel operators in StreamSQL.
	<b>Workaround</b>	After the conversion, if appropriate for your application (no dependencies on data in other modules), you can use an <code>APPLY PARALLEL MODULE</code> statement or <code>APPLY PARALLEL JDBC</code> statement in the StreamSQL file. For details on the <code>APPLY</code> statement, see the <a href="#">StreamSQL Guide</a> .
SBâ 4854	Typecheck problem with DB2 JDBC data sources.	
	<b>Description</b>	SQL INSERT statements submitted to a JDBC data source in a Query operator or in an InStream statement may pass typechecking even when they contain errors. This problem was detected when using an IBM DB2 data source.  For example, the following statement passes typechecking even if the named table or field does not exist in the JDBC data source:  <pre>APPLY JDBC DB2 "INSERT INTO mytable (id, name) VALUES({id}, {name})" FROM InStream INTO OutStream;</pre>
	<b>Workaround</b>	Run the StreamBase application. If an error occurs against an INSERT statement, verify the table or field name is correct. You can validate the INSERT statement by running it against a test data source.
SBâ 4625	Spurious typecheck error when saving changes to a data construct associated with an operator.	
	<b>Description</b>	In some circumstances StreamBase Studio generates a typecheck error with a message that you cannot remove because the row is not displayed in the Properties view. This can occur if you have edited a data construct associated with an operator and then attempt to save the application.
	<b>Workaround</b>	You can work around the typecheck error by forcing StreamBase Studio to reread your application. To do this, stop the instance, cut and paste an existing row, or change one character and change it back.
SBâ 4559	Join timeout is not asynchronous.	
	<b>Description</b>	Join timeout in the Join operator is not asynchronous. That is, the Join operator does not remove a tuple from its buffer until the timeout has passed and another tuple arrives on the same input stream. Tuples received on one input stream do not affect the buffer of the other input stream.
	<b>Workaround</b>	None.
SBâ 4225	Some disk drive configurations can corrupt disk-based Query Tables if power fails.	
	<b>Description</b>	Some caching disk drives do not guarantee the sequencing of disk writes, nor do they guarantee that the writes to the drive have actually happened. This behavior improves disk performance but increases the risk of data corruption in the event of a power outage or equipment failure. StreamBase Studio does not detect this kind of data corruption if your StreamBase application uses disk-based Query Tables.

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		<b>Workaround</b>	Disk drives with this behavior usually have a driver-level setting to turn this capability on. For example, the driver may present you with a check box labeled Enable write caching on the disk. Unchecking this box would prevent the problem from occurring.
SBâ 4160	JVM crash during StreamBase application compilation.		
		<b>Description</b>	When StreamBase Server first loads an application, it compiles it to Java code using the Sun Java compiler. Some StreamBase applications can cause the Sun Java compiler to crash during compilation. When this happens, StreamBase Server displays a stack trace that mentions <code>OopFlow::build_oop</code> . StreamBase is pursuing this issue with Sun, but in the meantime if you encounter this issue, please contact StreamBase Systems for assistance in modifying your application to avoid the error.
		<b>Workaround</b>	Make slight changes to your application until the error no longer occurs. We are unfortunately unable to provide guidance about what specific changes to make.
SBâ 3955	Finding <code>sbd</code> process failure details.		
		<b>Description</b>	When StreamBase Studio runs an application, it launches the server process in the background. If the server process fails for any reason, Studio tries to report the reason to you. However, the error message that Studio displays may not contain enough information, depending on the failure reason.
		<b>Workaround</b>	To get more information about the reason for the <code>sbd</code> process failure, open the Eclipse Error Log as described in <a href="#">Error Log View</a> .
SBâ 3585	Inconsistent support for undo in StreamBase Studio.		
		<b>Description</b>	Many editing operations in Studio cannot be undone. This includes operations such as reordering operators, editing Query Tables, copying schemas, adding operators from the Palette, editing simulations, and so on.
		<b>Workaround</b>	The Revert command in the File menu can be used to undo all changes since the last time the project was saved.
SBâ 3308, SBâ 1601	From Windows, the <code>custom-simple-function</code> and <code>custom-aggregate-function</code> samples do not work with Solaris server or 64-bit Linux server.		
		<b>Description</b>	On Windows, the installed <code>custom-simple-function</code> and <code>custom-aggregate-function</code> samples contain library files ( <code>log.so</code> and <code>stdev.so</code> , respectively) that are built for 32-bit Linux. These custom functions will work properly only when StreamBase Studio is connected to a 32-bit Linux server, not a Solaris server or a 64-bit Linux server.
		<b>Workaround</b>	To use the <code>custom-simple-function</code> and <code>custom-aggregate-function</code> samples on a Windows client connected to a Solaris server: <ul style="list-style-type: none"> <li>• On the Windows or Linux machine where you are running StreamBase Studio, use the <code>StreamBase Samples</code> menu item to import the <code>plugin-function</code> or <code>plugin-aggregate</code> sample into your workspace.</li> <li>• Remove <code>log.so</code> or <code>stdev.so</code> files from the sample project.</li> <li>• Copy <code>/opt/streambase/sample/plugin-function/log.so</code> or <code>/opt/streambase/sample/plugin-aggregate/stdev.so</code> from the Solaris server machine to your Windows client machine.</li> <li>• Use the File â Import menu item to import the copied <code>log.so</code> or <code>stdev.so</code> files into the sample project.</li> </ul>
SBâ 3260	Using non-member <code>Schema.Field</code> to access a tuple does not throw a useful exception.		
		<b>Description</b>	The StreamBase Client library does not throw a useful exception if you inadvertently reference a wrong schema while using <code>Schema.Field</code> to access a <code>Tuple</code> . Under C++, no exception is thrown and memory corruption may occur. Under Java, an <code>ArrayIndexOutOfBoundsException</code> is thrown.

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		This applies both to using fields from other schemas, or to using the Field objects that w create the Schema. Fields that are used to create a schema are not fully initialized, and s the actual Field from the new Schema object in order to access the fields of a Tuple.
	<b>Workaround</b>	None via the API. You must examine your client code and verify that the correct Schem
SBâ 8698		Aggregate dimensions do not support advance on infinite dimensions.
	<b>Description</b>	In an Aggregate operator's Properties View, the Dimensions tab includes a setting for W One of the size options is Do not close window based on this dimensi this dimension cannot cause the closing of a new window for the Aggregate. If a new w opened, this creates an infinite sized window that never closes (for the life of StreamBas instance). Application designers may set up this feature, for example, to ensure that an A processes an entire day's volume of streaming data. However, a limitation is that Aggreg infinite dimensions do not support an Advance value that you set in the Opening Policy.
	<b>Workaround</b>	None.
SBâ 3121		Linux only: Firefox issue with StreamBase Studio Welcome page and Help.
	<b>Description</b>	On Linux, the StreamBase Studio Welcome page and Help require that Mozilla or Firefo and can be located. If you removed Mozilla, or installed it in a non-standard location, or Welcome page or Help may not appear.
	<b>Workaround</b>	Before using Studio, set the environment variable MOZILLA_FIVE_HOME to the path o installation. For example, on Linux, set it to:  <code>MOZILLA_FIVE_HOME=/usr/lib/mozilla-&lt;version&gt;</code> <code>export MOZILLA_FIVE_HOME</code>
SBâ 8640		Java Operator with zero inputs does nothing.
	<b>Description</b>	While it is not an error to create a Java operator with zero input ports, the processTup will never be called, and thus the Java operator can never emit any tuples.
	<b>Workaround</b>	None.
SBâ 2931		Relocatable RPMs install incorrect symbolic links in /usr.
	<b>Description</b>	The Linux RPM packages are relocatable. This means that the default installation locati /opt/streambase can be changed to a different location. However, if this is done, s are still installed in /usr/bin and /usr/lib that point to /opt/streambase.
	<b>Workaround</b>	Either edit the symbolic link by hand, or use the archive file installer instead of the RPM StreamBase on Linux.
SBâ 2891		Error messages while creating Java operators lack detail.
	<b>Description</b>	Any exceptions during the creation of a Java operator from within StreamBase Studio w Can't make new object: (operator name) message, with no additional in
	<b>Workaround</b>	Run the application in <b>sbd</b> directly for additional diagnostic information. Verify the cor are specified in your project's Custom Libraries. Verify the classes are in the JAR files. manifests of the JAR files are correct. For more information, see <a href="#">Creating Java Clients</a> . may have additional diagnostics.
SBâ 2617		For Java operators and modules, typechecking may occur regardless of connections.
	<b>Description</b>	Java operators and modules are typechecked independently of their connections to other For modules, this may result in errors that do not clearly describe the problem. For exam have an application containing a module with its inputs connected, then delete an input t module references, and then return to the referencing application, the arc (connection) w However the following typecheck message will appear: Error in referenced application: <input> lacks required attribute 'stream'.
	<b>Workaround</b>	None.

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SBâ 2507	Java Client library IOException when client program is suspended.	
	<b>Description</b>	A program using the StreamBase Java Client library may receive an unexpected IOException when suspended (using either <b>Ctrl+Z</b> , or <code>kill -SIGSTOP</code> ). The IOException is thrown when the program is resumed, or placed in the background. The exception may be thrown even if there is no network traffic at the time. This issue does not apply to Windows systems.
	<b>Workaround</b>	Do not suspend StreamBase clients written in Java.
SBâ 2482	Data sent to multiple streams may get out of order.	
	<b>Description</b>	StreamBase Server does not preserve the relative ordering of input tuples received on different streams. This affects the Client library, if tuples are enqueued to different streams.
	<b>Workaround</b>	In some cases you may be able to use a Merge operator to reorder your input data. However, the Merge operator can block in some situations and therefore may not be appropriate. It is best to avoid sending data to different input streams in the first place, if the relative ordering of those streams must be preserved.
SBâ 1969	StreamBase Studio on Windows triggers Windows firewall when running Server.	
	<b>Description</b>	Users of StreamBase Studio on Windows may find that the Windows Firewall, or a third-party security product, prompts for permission to continue when first starting StreamBase Server. The prompt refers to <b>javaw</b> or to StreamBase Server by name. This is expected behavior of Windows Firewall. Users must grant the requested permission in order to continue using StreamBase Server on their system.
	<b>Workaround</b>	After granting permission once, you should not be prompted about this again.
SBâ 1769	LockDirectoryException error encountered when starting StreamBase Server.	
	<b>Description</b>	There may be a number of cases when you would encounter the LockDirectoryException error. The error message indicates File exists, either another instance of StreamBase Server is currently running or the prior instance of Server was improperly shut down.
	<b>Workaround</b>	If another StreamBase Server instance is running, change the <code>.sbconf</code> file to point the <code>Directory</code> element (within the <code>&lt;server&gt; ... &lt;/server&gt;</code> element) to a different directory. If another Server instance running, you must manually delete the directory named in the File exists message.
SBâ 8297	Files edited outside StreamBase Studio are not refreshed in Studio automatically.	
	<b>Description</b>	For <code>.sbapp</code> and <code>.sbf</code> files that were created using StreamBase Studio and are still open in Studio, modifications made using an external editor are not refreshed in the current Studio Edit session.
	<b>Workaround</b>	If edits are made outside of Studio and you now want to use the latest file, right-click the file in the Studio Edit session, select <b>Refresh</b> , and then select <b>Yes</b> . This refreshes the file and contains the changes you made and select Refresh.
SBâ 1289	IPv6 addresses not supported.	
	<b>Description</b>	StreamBase Server can only connect to IPv4 addresses. If you try to connect using IPv6 addresses, the connection is refused.
	<b>Workaround</b>	None.
SBâ 1164	Issues with certain older Linux kernel versions.	
	<b>Description</b>	Linux kernel versions 2.6.8-10 have a known bug in their thread handling code. This bug causes <code>sbdb</code> to exit immediately after servicing its first client request. For more information, see <a href="http://www.ussg.iu.edu/hypermil/linux/kernel/0410.2/1650.html">http://www.ussg.iu.edu/hypermil/linux/kernel/0410.2/1650.html</a> .
	<b>Workaround</b>	This bug was fixed in Linux kernel 2.6.11. This does not affect the Linux distributions currently supported by StreamBase. If you are running an older kernel in the 2.6.8-10 range, then set the environment variable <code>STREAMBASE_IGNORE_SIGHUP=1</code> to work around this problem. Add the variable in the login environment in which StreamBase Server will run.
SBâ 1039	C++ code is not binary compatible between releases.	
	<b>Description</b>	

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		<p>If you use either the C++ Client library, plug-in functions, or plug-in aggregates, you must compile them from source in order to use them in each new release. Without recompiling, StreamBase will display an error message at runtime.</p> <pre>bin/sbd: error while loading shared libraries ... cannot open shared object file: No such file or directory</pre>
	<b>Workaround</b>	Recompile your C++ code from your original source against the new headers.
SBâ 806		Explicitly-provided schema in loops are order sensitive.
	<b>Description</b>	If you use a loop, the order of the fields in your explicitly-provided schema must match the output schema. Otherwise you will get a typecheck error indicating that your explicitly-provided schema does not match your actual output schema.
	<b>Workaround</b>	Click on the loop arc, then in the Properties view click the option: Update using template. This action rearranges the order of the explicitly-provided schema to match that of the input schema. You can also manually change the order of the fields using the Properties View for the loop arc.
SBâ 804		init.d script uses a hard-coded port number.
	<b>Description</b>	UNIX only. If you change /opt/streambase/etc/sbd.sbconf to point to a port other than 10000, then the stop, restart, and status commands in the /etc/init.d/streambase script do not work as expected. Those commands assume that <b>sbd</b> is running on port 10000.
	<b>Workaround</b>	Edit the commands in the /etc/init.d/streambase script to use the -p option, to specify the port to run on the same port specified in the modified sbd.sbconf file.
SBâ 765		Clients that exceed page limit buffer size disconnect with no explanation.
	<b>Description</b>	When a StreamBase client exceeds its maximum number of pages (for example, because it is not dequeuing fast enough to keep up with the rate at which tuples are being generated), the StreamBase Server disconnects the client and prints a message saying that it has done so. However, on the client side, no error is reported. Instead, it looks like an unexplained dropped connection.
	<b>Workaround</b>	Edit the server configuration file for the Server that processes your application, and increase the max-client-pages parameter.

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