



# SBClient

## SBClient Release Notes

*Version 6.3.0*

February 2015  
SBC-630-ALL-RN-01

# SBClient v6.3.0 release notes

Build 5106

Release Date: February 2015

These release notes provide information about enhancements and fixes in SBClient v6.3.0.

## Enhancements and fixes in SBClient v6.3.0

The following issues were addressed in this release:

Key	Description	Component/s
SBXA-3878	In v6.3.0, you can select an SSH communication method in SBClient to be used by the session to connect your PC to the host computer. SSH provides a secure way for you to connect to your U2 host. You cannot use SSH to connect to server versions prior to v6.3.0. For more information about SSH with SBClient, see "Overview of SSH" and "Configuring a session" in Using SBClient, and see "Setting up communication" in SBClient Getting Started.	Communications / File Transfer, SBClient
SBXA-11697	Previously, if a field was extended beyond the character length specified in the field definition, and then you attempted to copy the field's contents with Ctrl-C, the client crashed. This occurred in GUI only. This issue is resolved in v6.3.0.	SBClient
SBXA-13158	In previous versions, the data transfer subroutine TU.TO.WORD.MERGE.PRINTER did not work in SBClient with Office 2007 or later. This issue is fixed in v6.3.0.	SBClient
SBXA-13352	Beginning in v6.2.2, if you had MS Access and Visual Studio installed as well as SBClient, and then you uninstalled SBClient, registry keys were incorrectly removed. These keys were needed by MS Access and Visual Studio. This issue is fixed in v6.3.0.	Installation / Configuration, SBClient
SBXA-13683	In previous versions, if you chose DEMO mode during SBClient installation and then tried later to update the license and register it later, you were unable to do so unless you were running the client as Administrator. With a fix in v6.3.0, the Client now displays a message detailing the problem and suggesting you run as Administrator in order to update the license.	Installation / Configuration, SBClient

# SBClient Legacy Release Notes

In v6.2.6 and earlier, SBClient release notes were delivered as a .txt file.

Beginning with v6.3.0, release notes are delivered in a PDF format to match SystemBuilder Extensible Architecture release notes.

The following sections contain legacy SBClient release notes, from v5.5.0 through v6.2.6. The legacy release notes have been converted from .txt to PDF, but they are otherwise presented in the same format.

SBClient v6.2.6 Release Notes

Build 4525

July 2014

=====

These release notes are divided into the following sections:

What's New in SBClient v6.2.6

Operating System Requirements

Data Server Requirements

Important Notes

Installation Information

Currently Supported Communication Protocols

Currently Supported Terminal Emulations

Fixes in v6.2.6

Known Problems

Miscellaneous Information

What's New in SBClient v6.2.6

=====

\*\* Bug fixes only

-----

SBClient v6.2.6 contains one bug fix and no new enhancements. For details, see "Fixes in v6.2.6" below.

## Operating System Requirements

=====

Minimum operating system requirements for SBClient v6.2.6 are:

Microsoft Windows Server 2008: R2 Service Pack 1 or later

Microsoft Windows Server 2012: Standard edition (64-bit)

Microsoft Windows 7: Professional, Enterprise, or Ultimate edition,  
Service Pack 1 or later

Microsoft Windows 8: Enterprise edition (64-bit)

For information on SBClient and Microsoft Windows Terminal Server, see the  
tech note on this subject at <https://u2tc.rocketsoftware.com> > Public Tech Notes.

## Data Server Requirements

=====

The minimum data server requirements of the SBClient 3GL Host API are as follows:

UniData 7.1.20 or later on Windows or UNIX

UniVerse 10.2.3 or later (Pick compatibility) on Windows or UNIX

UniVerse 10.2.3 or later (Pick compatibility) with National Language Support  
(NLS) on Windows or UNIX

## Important Notes

=====

## Notes on User Types for Installing SBClient on Windows

---

To install SBClient on Windows, the user must be either an Administrator or Power User.

## Exporting SBClient Settings

---

Existing customers who installed SBClient 6.0.1 or earlier may have session configurations, scripts, phone books, toolbars, and Smart Query definitions that can be used in SBClient 6.0.2 or later. To save settings from SBClient 6.0.1 or earlier, you can export the settings to a file before installing SBClient 6.0.2 or later. After installing the latest version of SBClient, you can then import the files containing settings that you saved. For instructions, see Chapter 2, "Installing SBClient on a Standalone PC" in SBClient Getting Started.

## GUI Tokens and UNIX STTY Settings

---

When installing the bootstrap for the Host Library, setting the UNIX kill character to any character less than 127 can cause the installation to fail.

The LNEXT token (usually set to 'Ctrl - V') is a literal next character on SVR4 and 4.4+BSD UNIX. The LNEXT character is recognized on input in Extended mode only; it causes any special meaning of the next character to be ignored. The LNEXT character is discarded when processed, but the next character entered is passed to

the process. The LNEXT character is in conflict with one of the internal SBClient tokens. If it is enabled, you need to turn it off. You can turn off Extended mode by entering 'stty -iexten'.

SBClient makes extensive use of ASCII characters 1 and 2 (Ctrl-A and Ctrl-B) for communications protocols. You should ensure that these are not used by UNIX or terminal server line settings.

7-bit communications utilities on Unix, such as "rlogin", should not be used in conjunction with SBClient.

#### Euro Character

-----

The Euro character is not included in the SB or System Builder font. The reason is that there is no international consensus as to where the character should be positioned within an OEM. IBM has decided to place the character at position 159, while Xerox has chosen position 186, Microsoft has chosen position 128, and Monotype and many other companies have chosen position 168.

When communicating with a UniData or UniVerse etc host, the host in most cases uses an OEM character set. Since most Windows fonts are ANSI fonts, SBClient must do an OEM-to-ANSI conversion on data coming from the host and an ANSI-to-OEM conversion on data going to the host. SBClient calls the standard Windows API to do the conversions. The problem is that the Windows API knows nothing about the Euro or its OEM position.

If the user is using the SB or System Builder font, SBClient does not perform a conversion when communicating with an OEM host because these are already OEM

fonts. This means that if the application on the host sends CHAR(159), the IBM Euro position, and System Builder font uses the Xerox position 186, the display is incorrect.

Therefore, SBClient needs to know the position of Euro character according to the host and this has to match the position in the SB or System Builder font. If the user is using an ANSI font, such as Courier New (with Euro support), SBClient needs to perform a conversion, but the standard Windows conversion will not work.

Currently, two solutions are available:

- If the Euro character is required, download Microsoft's new Courier font (or a similar font from another vendor), and select it from the Setup/Fonts window. A translation table should be set up. (For further information, see the section on the new translation functionality in the Using SBClient manual.) The table should specify ANSI-to-OEM mappings in the [output] section and OEM-to-ANSI mappings in the [input] section. If using a Microsoft font, the host's Euro character position should be mapped to CHAR(128) in the [input] section of the translation table and vice versa in the [output] section. You can map an Alt or Ctrl key to CHAR(128) in the [display] section so the user can enter the character from any keyboard.
- For detailed information on a second workaround solution for display of European currency symbols, contact Global Technical Support.

#### Installation Information

=====

During installation of SBClient, files are copied to the directory chosen by the

user. The default installation folder is C:\U2\SBClient6. Some files are copied to other locations, as listed below.

The following SBClient files are copied to the Windows directory if the files do not exist or if older versions of the files are found in the target directory:

MFC and C runtime DLLs, via Microsoft merge modules mfc100.dll, mfc100u.dll, mfc100.dll, mfc100u.dll, msvcp100.dll, and msvcr100.dll

mscal.ocx

mschart.ocx

mscomctl.ocx

comctl32.ocx

comdlg32.ocx

many2pdfx.ocx

edocenginex.ocx

grid32.ocx

SBClientScriptControl.ocx

SBpvd60.ocx

wwtree.ocx

u2libeay32097e.dll

u2licn.dll

u2ssleay32097e.dll

uniwincert.dll

The following fonts are installed to the system:

System Builder=SB.FON

SB Font (True Type)=SB.TTF

## Currently Supported Communication Protocols

=====

Connection by standard serial line is supported with a variety of COM ports and baud rates. The only network communication stack supported is TCP/IP through the Windows Socket (Winsock) interface.

## Currently Supported Terminal Emulations

=====

SBClient currently provides support for the following terminals:

ANSI

VT52

VT100

VT220

VT320 use VT220 with "ANSI color" on

Wyse 50 use Wyse 60 with "Embedded" on

Wyse 60

Wyse 120

An SB+ mode is available for all the above terminal types. Set this mode when using SB/XA Application Server to enable a number of subtle functionality differences. To set the SB+ mode, open the SBClient Setup menu. In the Terminal Setup option, select the SB+ Mode check box. We recommend using VT220 when communicating with SB/XA for optimal performance.

#### Fixes in v6.2.6 - July 2014

=====

- From SBClient version 6.2.4 through 6.2.5, if you set the Auto Extend Field Length flag to No, the change did not take effect in GUI mode. Auto extend was not disabled as it should have been. This issue is resolved in v6.2.6. SBXA-13383

#### Fixes in v6.2.5 - May 2014

=====

- In previous versions, SBClient crashed if you chose File>Save Configuration As and then clicked Cancel on the subsequent dialog box. If you then chose File>Exit All, the client crashed. This issue is resolved in v6.2.5. SBXA-13023

#### Fixes in v6.2.4 - March 2014

=====

- In previous versions of the GUI client, using SETATTR to disable Bitmap images failed to dim the images. This issue is resolved in v6.2.4. SBXA-12019

- Using the /PD.L > Data Transfer DOS to SB+ process to transfer a file failed in previous versions if the file being transferred was empty. This issue is resolved with a fix in v6.2.4. SBXA-12232

- In previous versions, creating users with null passwords led to subsequent problems when those users tried to run processes such as /SEC.USER.SETUP or any other process that called the SH.VERIFY.USER routine. This issue is resolved in v6.2.4. SBXA-12276

- In versions 6.2.2 and 6.2.3, language translation for menus sometimes failed in GUI mode in SBClient as well as the XUI clients. If there was no Type 5 menu to regenerate, translated menus did not properly display the translated text in GUI or XUI. This issue is fixed in v6.2.4. SBXA-12328

- In previous versions, using the /MESSAGE process to send a message, with the Alert Recipients Immediately option selected, improperly caused another process to start on the Windows server. This problem was specific only to a UniData-on-Windows platform. The issue is resolved in v6.2.4. SBXA-12531

- Grids were not used when they should have been in previous versions under certain circumstances. If the "Use Grids for Multivalued Fields" flag at the screen level was set to use grids, the grids should have been used even if flags at the SB Control Parameters level and HK.CONTROL level were set to not use grids. The screen-level flag should have overridden the others, but it did not in previous versions. This issue is fixed in v6.2.4. SBXA-12541

#### Fixes in v6.2.3 - December 2013

=====

- In recent versions, SBClient did not properly save the Join Lines and Append CR settings on the clipboard setup. This issue is resolved in v6.2.3. SBXA-4881

- In previous versions, SBClient crashed because of a memory leak when screens were repeatedly displayed. This issue has been resolved in v6.2.3. SBXA-10731

#### Fixes in v6.2.2 - June 2013

=====

- SBClient DLLs are copyright-branded with both the date and company name in v6.2.2. SBXA-10277

- When using Wyse terminal emulation in SBClient, screen attributes were lost after saving and restoring the screen. A fix resolves this problem in v6.2.2. SBXA-10731

## Enhancements and Fixes in v6.2.1 - February 2013

=====

\_ At v6.2.1, SBClient is certified to run on Microsoft Windows 8. SBXA-9334

\_ At v6.2.1, SBClient is also certified to run on Microsoft Windows Server 2012.

SBXA-9979

- A change to the processing of SYSTEM(14) and INPUT(-1) in UniBasic code at UniData V7.2.12 caused SBClient file transfers to fail. Additional changes were made at UniData V7.3.3 to support SBClient file transfer processes, and SBClient v6.2.1 has been modified to run on all versions of UniData.

If you experience this problem in earlier versions of SBClient with UniData V7.2.12, you can either upgrade to UniData V7.3.3, downgrade to an earlier version of UniData, or refer to Tech Note SBXA-9449 for a resolution.

SBXA-10019

## Enhancements and Fixes in v6.2.0 - October 2012

=====

\_ In SBClient, the SBZ transfer protocol failed in binary and hex modes in the UniData edition on Windows. This issue was resolved in v6.2.0. SBXA-3262

\_ A 64-bit version of the SBXAMAPIBridge component is provided to support TU.MAPI messaging with the 64-bit version of Microsoft Office in SBClient. The SBXAMAPIBridge64.msi program file is available in the SB/XA product download

directory. SBXA-4572

\_ In previous versions, an ActiveX control caused SBClient to fail. This issue is resolved in v6.2.0. SBXA-7999

\_ In GUI mode, if you pressed F3 in a numeric field with a comma separator, the values were displayed incorrectly as zeroes. A fix resolves this problem in v6.2.0. SBXA-8294

\_ The SBClient v6.2.0 splash screen and launchpad are rebranded with the purple graphic for Database Servers and Tools. SBXA-8398

\_ When using the GUI text editor (/GUI.TEXT.ED) in GUI mode, if a memo field contained 465 characters or more, char(10) was not inserted between rows. The code has been amended to correct this issue in v6.2.0. SBXA-8547

\_ The GUI text editor (/GUI.TEXT.ED) failed in GUI mode when value marks were inserted in F3 intuitive help. The code has been amended to prevent this problem in GUI mode. SBXA-8833

\_ In SBClient, a toggle in a grid returned an error if it used a table definition with three different values in the internal code, display text, and input code, and if Allow NULL was set to N in a validation. Both client and server code were amended to prevent this error condition in v6.2.0. SBXA-8893

\_ In SBClient running on Microsoft Windows 7 or Windows 2008 x64, selecting View > Clipboard Viewer returned the error "CreateProcess 'clipbrd.exe' failed. error(2) - file not found." The clipbrd.exe file is not supplied with

Microsoft Windows 7 or Windows 2008, so the View > Clipboard Viewer option has been removed from the SBClient menu. As part of this change, a paragraph regarding the Clipboard Viewer has been deleted from Chapter 1, "Introduction to SBClient," in the Using SBClient manual. SBXA-9108

\_ The SBClient device licensing dynamic link library (DLL) has been updated to version 3.2.1.0. SBXA-9138

\_ Check boxes (toggles) on a subscreen did not work correctly in a multivalue group in GUI mode. This issue is resolved in v6.2.0. SBXA-9218

Fixes in v6.1.3 - June 2012

=====

- In v6.0.0 and later, SBClient failed when attempting to print a string to the auxiliary (Aux) device when the length of the string was 8192 characters (or any multiple of 4096 characters). The code has been changed to append the null value to such strings, correcting this problem in v6.1.3. SBXA-1850

- In v6.1.2, deleting the default network configuration profile resulted in a "Default Modem has changed" error. A section of code that checks the deleted item has been amended, preventing this error in v6.1.3. SBXA-5281

- With terminal emulation set to Wyse 50, SBClient displayed selections in reverse video beyond the defined boundaries. This behavior has been corrected. SBXA-5343

- On computers running Windows XP, rolling the mouse over the SBClient toolbar

displayed an empty box, sometimes consuming half of the desktop display area. This was due to failure of a system call to find the correct font in which to display hover help, which then caused the program to select a random font family/size to determine the size of the hover help window. The program has been amended in v6.1.3, and the hover help window is displayed as designed.  
SBXA-7871

- When running a program from the command line to display text in reverse video on an HP Itanium server, the reverse video was not turned off correctly and the next menu option on the selected menu was displayed in reverse video in SBClient with Wyse 50/60 emulations. The code has been amended to fix this problem in v6.1.3. SBXA-8121

- A call to TU.PC.UPLOAD caused SBClient to fail. Revisions to the file transfer program corrects this problem in v6.1.3. SBXA-8256

- The msmap32.ocx Active X control that supports MAPI in SBClient was not present on the product CD image in v6.1.2. MAPI did not work unless Active X was already present on the client computer. The msmap32.ocx file has been re-added to the build scripts in v6.1.3. SBXA-8449

Fixes in v6.1.2 - February 2012

=====

- When running SBClient in GUI mode on the 32-bit version of Windows 7 or Vista with the Aero theme, menu bars disappeared and then reappeared after clicking or rolling the mouse over the area or running another process. This issue has been resolved in version 6.1.2. SBXA-4583

- Using clear-to-end-of-line with reverse video did not work with Wyse 50 terminal emulation in SBClient. A fix was applied to the Wyse 50 emulation code in version 6.1.2, and clear-to-end-of-line functionality now works as expected.  
SBXA-4923

- When running SBClient on Windows 7, function keys were not displayed on screens if the action bar wrapped to a second line. A code change resolves this issue in version 6.1.2. SBXA-5270

#### Fixes in v6.1.1 - October 2011

=====

- In previous versions, TU.LAUNCH.APP was looking for a key in the Registry that is no longer there. This subroutine has been changed so it does not look for a nonexistent key. SBXA-4050

- With terminal emulation set to Wyse 50, SBClient displayed Esc (escape) characters as a black box. The escape character should be displayed in the same color as the background color definition. This has been fixed in version 6.1.1.  
SBXA-4151

#### Fixes in v6.1.0 - June 2011

=====

- In versions 6.0.4 and later, pressing Shift + function key (such as Shift F7) in the controlling multivalued field of a CAIDE grid invoked the same event as

pressing the function key alone. This issue has been corrected in version 6.1.0 so that the Shift key sends the proper event. SBXA-3646

\_ When a selection process (/PD.S) contained a field that was defined as numeric and was not left-justified, SBClient returned an unhandled exception error and became unresponsive if nonnumeric data was displayed in the field. A code fix prevents this problem in version 6.1.0, and the client can now handle the display of nonnumeric data in a numeric field that is left- or right-justified. SBXA-4357

No Fixes in v6.0.5 - January 2011

=====

- There are no fixes or enhancements in SBClient 6.0.5. The version number has been incremented, and SBClient 6.0.5 has been tested for compatibility with SB/XA Application Server 6.0.5.

Fixes in v6.0.4 - December 2010

=====

- When deleting multiple Classic sessions, a delete confirmation dialog box is displayed. A spelling error in this dialog box has been corrected.

SBXA-3409

- In certain circumstances, SBClient returned a file access error during installation: "The following error occurred on the file

C:\Windows\System32\mfc40.dll Access Denied (0x5)." The installation code has been fixed to prevent this error in version 6.0.4. SBXA-3457

- Smart Query (/SMART.QUERY) processes did not display all field definition records, skipping those with a value of D in F1. The Smart Query code has been amended, and all field definition records are returned in version 6.0.4. SBXA-3515

- When using TU.PC.DOWNLOAD to download a file to the PC in tab-separated values format, extra bytes were inserted at the end of the second to last record, and were displayed as extra spaces. The code has been amended in version 6.0.4 so the subroutine downloads values properly in tab-separated values format. SBXA-3654

- In previous versions, the file transfer process did not support use of a network path starting with either "\\\" or "//\" in file download or upload operations. The method for resolving environment variables has been changed in version 6.0.4 to recognize and handle these network path characters. SBXA-3676

Fixes in v6.0.3 - June 2010

=====

- The default installation path was changed from C:\IBM to C:\U2, and "IBM" was removed from other path names in the product in version 6.0.2. Accordingly, the path names have been changed in text and in screen shots throughout the version 6.0.3 SBClient manuals. Note that the SBClient Getting Started guide still contains instructions for removing older versions of the product in its

C:\IBM location. 40776\*USA

Fixes in v6.0.2 - May 2010

=====

- In previous versions, TU.TO.EXCEL did not function with non-English versions of Microsoft Excel. Support has been added in version 6.0.2 for SBClient only as follows: If you use more than one language version of Excel, you can create a version of EXCEL.MACRO for each language (such as EXCEL.MACRO.FR or EXCEL.MACRO.SP) and store it in TUDEFN. TU.TO.EXCEL will then select the required version of the EXCEL.MACRO. Note that SB/XA Browser Client and SB/XA Rich Client do not yet provide support for Microsoft Office products. 11832\*USA

- In SBClient 6.0.2 in GUI mode, the Logto Another Account screen (/LOGTO), System Control Record (/HK.CONTROL), and other screens were displayed in character mode. A code fix corrects this problem in version 6.0.2. 12824\*USA

- Enhancements have been made in version 6.0.2 to remove SBClient's dependencies on the BTrieve database engine. 37694\*USA

- In version 6.0.1, the Control Panel > Add or Remove Programs > SBClient uninstall program did not remove SBClient. Instead, it attempted to upgrade SBClient. This issue has been fixed in version 6.0.2 and the uninstall program works as designed. 41593\*UK

Fixes in v6.0.1 - November 2009

=====

- If a code table is updated by an expression and the expression supplied value with leading zeros, the leading zeros were suppressed. This has been fixed. 11190\*USA

- In selection grids displayed in GUI mode, changing the sort order of the records multiple times corrupted the return value, so multivalued in @VALUE were left empty. A fix has been implemented to prevent this problem in version 6.0.1. 11488\*USA

Fix in v6.0.0 - August 2008

=====

- In versions 5.3.4 and later, downloading a file using the Network Copy protocol failed if the process took more than two minutes. This issue has been resolved in SBClient 6.0.0. 10832\*USA

Fixes in v5.5.3 - February 2012

=====

- When running SBClient on Windows 7, function keys were not displayed on screens if the action bar wrapped to a second line. A code change resolves this issue in version 5.5.3. SBXA-4387, SBXA-4952

- Installing SBClient 5.5.1 or 5.5.2 as an upgrade resulted in a license error,

"Your evaluation version is expired." This issue stemmed from a change to Registry keys after version 5.5.0. The installation program has been changed to detect and update Registry keys from version 5.5.0, preventing this problem with installing version 5.5.3 or later as an upgrade. SBXA-5061

- When registering SBClient during installation or later as a separate task, if the user clicked the Demo Version button, SBClient displayed a license error, "Your evaluation version is expired." This problem is attributed to the same Registry key issue as SBXA-5061, and a related fix prevents this registration error in version 5.5.3. SBXA-5224

#### Fixes in v5.5.2 - December 2011

=====

- When running SBClient in GUI mode on the 32-bit version of Windows 7 or Vista with the Aero theme, menu bars disappeared and then reappeared after clicking or rolling the mouse over the area or running another process. A code fix for SBXA-3453 was implemented in version 5.5.0, but this fix caused an unintended focus problem that could result in SBClient flickering and becoming unresponsive. The focus problem was addressed in version 5.5.2, and after an additional code change was implemented, both the menu issue and the focus issue are resolved. SBXA-4583

#### Enhancements and Fixes in v5.5.1 - November 2011

=====

- In previous versions, TU.LAUNCH.APP was looking for a key in the Registry

that is no longer there. This subroutine has been changed so it does not look for a nonexistent key. SBXA-4050

- With terminal emulation set to Wyse 50, SBClient displayed the Esc (escape) characters as a black box. The escape character should be displayed in the same color as the background color definition. This has been fixed in version 5.5.1.

SBXA-4151

- New installations and upgrades to SBClient 5.5.1 require entering a 5.5.1 authorization key. The 5.5.1 authorization key cannot be used to authorize SBClient 5.5.0 or earlier versions. SBXA-4325

- At version 5.5.1, the Registry keys for SBClient have been changed as follows:

..\ROCKET SOFTWARE\SBCCLIENT has been changed to ..\ROCKET SOFTWARE\SBC5\SBCCLIENT

..\ROCKET SOFTWARE\Runtime has been changed to .. ROCKET\SOFTWARE\SBC5\RUNTIME

SBXA-4520

- The DEMOBP file has been added in SB.DEFN at version 5.5.1. SBXA-4641

#### Enhancements and Fixes in v5.5.0 - September 2010

=====

- In version 5.4.4, the Control Panel > Add or Remove Programs > SBClient uninstall program did not remove SBClient. Instead, it attempted to upgrade SBClient. This issue has been fixed in version 5.5.0 and the uninstall program works as designed. SBXA-334

- The default installation path was changed from C:\IBM to C:\U2, and "IBM"

was removed from other path names in the product in version 5.5.0. Accordingly, the path names have been changed in text and in screen shots throughout the version 5.5.0 SBClient manuals. SBXA-438

- In selection grids displayed in GUI mode, changing the sort order of the records multiple times corrupted the return value, so multivalued values in @VALUE were left empty. A fix has been implemented to prevent this problem in version 5.5.0. SBXA-1268

- In previous versions, TU.TO.EXCEL did not function with non-English versions of Microsoft Excel. Support has been added in version 5.5.0 in SBClient as follows: If you use more than one language version of Excel, you can create a version of EXCEL.MACRO for each language (such as EXCEL.MACRO.FR or EXCEL.MACRO.SP) and store it in TUDEFN. TU.TO.EXCEL will then select the required version of the EXCEL.MACRO. SBXA-1340

- The SBZ file transfer protocol failed when attempting to transfer data from multilevel files in version 5.2.4 and later. This issue has been resolved in version 5.5.0. SBXA-1410

- The shape and blink properties of the cursor can be set in character mode only. In GUI mode, Windows properties are applied. This limitation is noted in Chapter 2, "Configuring a Session," in Using SBClient. SBXA-1863

- At version 5.5.0, the SBClient silent installation program has been modified to check for Administrator privileges, and, if absent, for Elevated privileges. The silent installation can be run with either of these privileges. SBXA-1920

- When installing earlier versions of SBClient on Windows Vista,

the operating system displayed an unknown publisher warning. In version 5.5.0, the SBClient installation program has been signed with the Rocket Software certificate, and the warning is no longer displayed. SBXA-2545

- When deleting multiple Classic session configurations in SBClient, the dialog box confirming the deletion contained a spelling error. The spelling of "cofigurations" has been corrected to "configurations". SBXA-2560

- In versions 5.3.4 and later, downloading a file using the Network Copy protocol failed if the process took more than two minutes. This issue has been resolved in SBClient 5.5.0. SBXA-3025

- In previous versions of SBClient, GUI screens were not downloaded when performing file transfers using the Network Copy protocol on Windows Vista. This issue has been addressed so file transfers download GUI data properly in Network Copy mode. SBXA-3061

- If a code table is updated by an expression and the expression supplied value with leading zeros, the leading zeros were suppressed. This has been fixed. SBXA-3290

- Enhancements have been made in version 5.5.0 to remove SBClient's dependencies on the BTrieve database engine. Due to the change in file format, you may want to save settings from SBClient 5.4.4 or earlier. For further information, see the section "Exporting SBClient Settings" above. SBXA-3436

- When running SBClient in GUI mode on Windows 7 or Vista with the Aero theme, menu bars disappeared and then reappeared after clicking or rolling the mouse

over the area or running another process. A code fix has been implemented in version 5.5.0, and menus are displayed normally. SBXA-3453

## Known Problems

=====

### - Cursor Properties Cannot Be Set in GUI Mode

The shape and blink properties of the cursor can be set in character mode only. In GUI mode, Windows properties are applied. This limitation is noted in Chapter 2, "Configuring a Session," in Using SBClient. 9537\*UK

### - Limitation of Secure File Transfers through SSL

SSL provides secure file transfers only if you use the SBZ file transfer type. Other file transfer types do not support SSL functionality. Even if SSL is enabled for the session, file transfers with FTP or Network Copy are not secure. Notes have been added in the Using SBClient manual. 34290\*USA and 34352\*USA

### - Long Numbers Display Incorrectly in GUI ListView Mode

Due to limitations of ActiveX controls, long numbers are truncated or padded with zeros, or digits are overwritten in GUI ListView mode. 7789\*USA

### - Problem with Deleting User Environment Variables

When attempting to delete a user environment variable, the user highlights the variable and clicks the Delete button. The variable is deleted from the display; however, the variable remains in the sbopen.ini file. This issue will be addressed in a future version. 5345\*USA

- Issue with Running SBClient on Dual Monitors

When running SBClient in GUI mode on a system enabled for dual monitors with SB+ MAINWIN running on the secondary monitor, SB+ screens and dialog boxes are displayed in the main monitor. This behavior does not comply with Windows standards, which specify that the program remember the monitor on which the screen was last displayed. 34167\*USA

- Message Text in Deleting Multiple Configurations

When deleting multiple SBClient configurations, the confirmation message is the same as that displayed when deleting a single configuration.

34798\*USA

- Pressing ESC in Delete Confirmation Dialog Box Executes the Deletion

Regardless of whether the OK or Cancel button has focus in a delete confirmation dialog box, if you press ESC or click the Close button (the X in the upper right corner of the dialog box), the deletion is executed. 34799\*USA

- Date Fields Sorted as String

Date fields are sorted as strings in list view in GUI mode. This is a known issue with GUI mode that will be addressed in a future version. 4249\*USA

- SBClient Does Not Support Roaming User Profiles

The user profile is stored on the C: drive in Documents and Settings on the user's computer, so roaming user profiles are not supported. 4023\*USA

- Printing PCL or Binary Files Using AUX Printing

Users requested the ability to print a PCL file using AUX printing. However, the AUX printing feature is not designed to print PCL or binary files. The

original idea of AUX printing was that whatever would normally be displayed on the terminal screen would be diverted to the printer. Based on this principle, you would never have the ability to dump a binary file to your terminal screen because it does not handle binary data. The same holds true of terminal emulation: SBClient cannot handle binary data in this mode.

Workaround solution:

Transport the PCL file to the client and print from there without going through the AUX printing interface and emulation. 5461\*USA

#### - SBClient Does Not Support All Character Sets

Although Windows 2000, Windows XP, and Windows 2003 provide full multilanguage support, SBClient supports only the English and Western European character sets on these operating systems. 4290\*USA

#### Miscellaneous Information

=====

#### - UniVerse Case Inversion

When logging in to a UniVerse account, UniVerse inverts the current case of the characters. This can cause problems with the 3GL Host API communicating with the client. We suggest that you turn off case inverting in a login proc/paragraph.

- The Wyse terminal emulations use the Wyse ANSI keyboard. If you want to emulate the Wyse EPC keyboard remap, using the Terminal Configuration>Key Mapping dialog box to remap the following keys:

Insert to (27)r

Shift+Insert to (27)q

Delete to (127)

## Shift+Tab to (27)I

### - Input Buffer Size

On some platforms, when data is sent to the host where the data is larger than the input buffer, the system may "hang". In most cases SBClient knows the correct size of the input buffer and will break the data into small enough blocks, however there are some cases where SBClient only finds out the size after the data transfer has already failed. SBClient always tries to re-send the data but on some platforms it is too late. If you experience problems when uploading the host code or doing DDE transfers, set the value of the input buffer to an actual value rather than the default of Auto. If the system hangs again, try a smaller value. Keep trying smaller values until the system works correctly.

### - GUI Watchdog Timer

When in GUI mode, SBClient periodically sends a sequence to the host to check that the host is still 'alive'. If the host fails to return a sequence within a certain length of time, SBClient knows that it is not running and displays a dialog box to inform the user. The frequency at which SBClient checks the host is called the watchdog timer. The timer can be configured in the GUI parameters setup screen. The default value is 0 seconds (the feature is turned off). A second parameter controls the timeout period, or the length of time to wait after sending an escape sequence to the host before displaying a dialog box. You can also set this value from the GUI parameters screen. The default timeout period is 0 seconds (the feature is turned off). Setting the above values to 0 switches off the watchdog timer.

### - Network Copy

If you are using Network Copy between multiple NT domains (for example, the domain

you need to connect to is different from the one which you logged in to), we recommend that you create a drive mapping to the TEMP directory on the Windows NT server. See the online help for instructions. Mapping a drive will avoid problems with authentication when connecting to this domain. Note: This drive mapping should always be reconnected at login time.

# Notices

## Edition

**Publication date:** February 2015  
**Book number:** SBC-630-ALL-RN-01  
**Product version:** Version 6.3.0

## Copyright

© Rocket Software, Inc. or its affiliates 1989-2015. All Rights Reserved.

## Trademarks

Rocket is a registered trademark of Rocket Software, Inc. For a list of Rocket registered trademarks go to: [www.rocketsoftware.com/about/legal](http://www.rocketsoftware.com/about/legal). All other products or services mentioned in this document may be covered by the trademarks, service marks, or product names of their respective owners.

## Examples

This information might contain examples of data and reports. The examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

## License agreement

This software and the associated documentation are proprietary and confidential to Rocket Software, Inc. or its affiliates, are furnished under license, and may be used and copied only in accordance with the terms of such license.

---

**Note:** This product may contain encryption technology. Many countries prohibit or restrict the use, import, or export of encryption technologies, and current use, import, and export regulations should be followed when exporting this product.

---

# Corporate information

Rocket Software, Inc. develops enterprise infrastructure products in four key areas: storage, networks, and compliance; database servers and tools; business information and analytics; and application development, integration, and modernization.

Website: [www.rocketsoftware.com](http://www.rocketsoftware.com)

Rocket Global Headquarters  
77 4<sup>th</sup> Avenue, Suite 100  
Waltham, MA 02451-1468  
USA

To contact Rocket Software by telephone for any reason, including obtaining pre-sales information and technical support, use one of the following telephone numbers.

Country	Toll-free telephone number
United States	1-855-577-4323
Australia	1-800-823-405
Belgium	0800-266-65
Canada	1-855-577-4323
China	800-720-1170
France	0800-180-0882
Germany	08-05-08-05-62
Italy	800-878-295
Japan	0800-170-5464
Netherlands	0-800-022-2961
New Zealand	0800-003210
South Africa	0-800-980-818
United Kingdom	0800-520-0439

## Contacting Technical Support

The Rocket Customer Portal is the primary method of obtaining support. If you have current support and maintenance agreements with Rocket Software, you can access the Rocket Customer Portal and report a problem, download an update, or find answers to in the U2 Knowledgebase. To log in to the Rocket Customer Portal or to request a Rocket Customer Portal account, go to [www.rocketsoftware.com/support](http://www.rocketsoftware.com/support).

In addition to using the Rocket Customer Portal to obtain support, you can send an email to [u2support@rocketsoftware.com](mailto:u2support@rocketsoftware.com) or use one of the following telephone numbers.

Country	Telephone number
North America	+1 800 729 3553
United Kingdom/France	+44 (0) 800 773 771 or +44 (0) 20 8867 3691
Europe/Africa	+44 (0) 20 8867 3692
Australia	+1 800 707 703 or +61 (0) 29412 5450
New Zealand	+0800 505 515