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# SB/XA Release Notes Hotfix V6.5.7

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# 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.

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

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- Canada: 1-855-577-4323
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- Germany: 0800-180-0882
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# Release Notes

## General Hotfix Information

This document contains one or more Hotfix descriptions for a specific Generally Available (GA) product version.

Hotfixes are identified as "Controlled Releases" within Rocket Business Connect (RBC). Hotfixes are only visible if you search for the specific version and build number in the **Controlled Release** field.

To obtain a specific Hotfix:

1. Log in to the RBC system and modify your existing license.
2. Locate your existing product, then click **Edit** next to it. Next click **Search** to view the list of GA product releases.
3. Once the product availability matrix appears, enter the Hotfix version number (this includes the product version and build number, for example 11.3.1.6005) in the **Controlled Release** field just above the table of product releases.
4. Click **Search**.

The Hotfix release displays on the product matrix: you can select to order and download it. If you have questions about RBC, contact us at [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).



**Note:** Hotfix releases are intended to be short-term solutions. So as to make them quickly available to customers, limited testing is applied. All Hotfix changes are as a rule included in the next GA release: at GA they are fully tested by Rocket's Quality Assurance team across all supported platforms and environments. After taking a Hotfix, you should most definitely upgrade to the next available GA release to ensure the highest quality experience.

For questions, contact support at [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

### SB/XA Hotfix V6.5.7.7506

This is a description of SB/XA Hotfix V6.5.7.7506, including the purpose and installation instructions specific to the SB/XA V6.5.7.7506 Hotfix.

This download contains the most recent Hotfix for the previously released product. You must be running the base version (previously released product) in order to apply this Hotfix. The most recent Hotfix is labeled with the highest version number. If you have questions, contact support at [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

This Hotfix resolves the following issue:

**Table 1. Issue Numbers**

Issue Number	Description
Issue Number SBXA-20826	<p>UniVerse 11.4.1 and UniData 8.3.1 have been updated with OpenSSL 3.0, and legacy encryption algorithms are now disabled by default.</p> <p>SB/XA uses disabled algorithms to encrypt SB/XA user passwords.</p> <p>Users can re-enable the disabled legacy algorithms in UniVerse / UniData, or install this Hotfix which will re-</p>

Issue Number	Description
	<p>encrypt SB/XA user passwords using the PDKDF2 key derivation function.</p> <p>SB/XA performs this re-encryption seamlessly when users log in for the first time.</p>

### Installation Instructions

This Hotfix is provided as the complete installation media for SB/XA. It follows the installation instructions provided in the *SB/XA Getting Started Guide*.

**Note:** When upgrading the SB/XA Application Server on Windows, choose this option: "Install a new instance of this application". When prompted to "Choose Destination Location", choose the location of your existing instance.

**Note:** Before installing the SB/XA Application Server on UniData / Unix, the `$PATH` environment variable must include the `$UDTBIN` path, for example:

```
UDTBIN=/usr/ud83/bin; export UDTBIN
PATH=$PATH:$UDTBIN; export PATH
```

After installing the SB/XA Application Server on UniData / Unix, the VOC file in all application accounts must be updated. Execute `$UDTBIN/updatevoc` from the command line, or `!$UDTBIN/updatevoc` from ECL.

Send feedback to [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

### SB/XA Hotfix V6.5.7.7501

This is a description of SB/XA Hotfix V6.5.7.7501, including the purpose and installation instructions specific to the SB/XA V6.5.7.7501 Hotfix.

This download contains the most recent Hotfix for the previously released product. You must be running the base version (previously released product) in order to apply this Hotfix. The most recent Hotfix is labeled with the highest version number. If you have questions, contact support at [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

This Hotfix resolves the following issues:

**Table 1. Issue Numbers**

Issue Number	Description
Issue Number SBXA-20262	<p>SB/XA may abort when calling a sub-screen multiple times after an escape.</p> <p>The abort includes the message: "Item has already been added. Key in dictionary: ".</p>
Issue Number SBXA-20338	A second user connecting through RDP to the same remote desktop will see the Rich Client crash when attempting to connect to the application.

## Installation Instructions

To implement this Hotfix:

1. Uninstall existing copies of your SB/XA v6.5.7 Presentation Components.
2. Delete the existing `Extra` folder from your installation of v6.5.7.
3. Extract the contents of the `SBXA_6.5.7.7501.zip` file, which is included with this Hotfix.
4. Replace the original `Extra` folder with the replacement version included in the `SBXA_6.5.7.7501.zip` file.
5. In the `SBXA_6.5.7.7501.zip` file, double-click the `PresCompSetup.exe` executable file to install the replacement Presentation Components.
6. In the `SBXA_6.5.7.7501.zip` file, double-click the `SBXAMAPIBridge64.msi` installation file to install the new version of SBXAMAPIBridge.

Send feedback to [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

## SB/XA Hotfix V6.5.7.7499

This is a description of SB/XA Hotfix V6.5.7.7499, including the purpose and installation instructions specific to the SB/XA V6.5.7.7499 Hotfix.

This download contains the most recent Hotfix for the previously released product. You must be running the base version (previously released product) in order to apply this Hotfix. The most recent Hotfix is labeled with the highest version number. If you have questions, contact support at [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).

This Hotfix resolves the following issues:

**Table 1. Issue Numbers**

Issue Number	Description
Issue Number SBXA-20677	<p>Provides some flexibility with the SB autologin matching of os and SB username when using SSH credentials for authentication.</p> <p>With this hotfix in place, the rules to allow autologin are as follows:</p> <p>With <code>DMCONT SB.CONTROL&lt;62, 3&gt; = 0</code> (default), the os username and the SB username must be an exact match.</p> <p>With <code>DMCONT SB.CONTROL&lt;62, 3&gt; = 1</code>, SB will first check for an exact match of os username and SB username.</p> <p>If there is not an exact match then:</p> <ol style="list-style-type: none"><li>1. The SB username must be either all upper case or all lower case.</li><li>2. The os username can be any case: lower, upper, or mixed case.</li></ol>
Issue Number SBXA-20716	<p>Break on the keyboard timeout prompt for credentials allowed TCL access to UniData when using SSH credentials for authentication.</p>

## Installation Instructions

To implement this Hotfix:

1. Uninstall your current version of SBClient and install the new latest version 6.5.7 build 7499. To install SBClient for use with SB/XA, install it from `SBClient_SBXA.zip`. To install SBClient for use with SB+ Server, install it from `SBClient_SBC.zip`.
2. Complete the steps in the following applicable **SB/XA Application Server** section for either UniVerse or UniData:

## UniVerse

1. Extract the contents of the appropriate zip file for your platform. For Windows: `uv_win.zip`. For UNIX: `uv_unix.zip`. The extracted `.zip` file contains the following object code files:

```
DM.O SB.LOGIN
DM.O SB.USER.CHECK
DMSH.O SBC.VERIFY.USER
DMSH.O SH.VERIFY.USER
```

2. Make a backup copy of the original object code files, then copy these files to the `DM.O` and `DMSH.O` folders in the `SB+.DEFN` account.
3. On certain machines (such as Linux), this BASIC object code will not match the byte order of your target server. To swap the byte order, use the UniVerse `fnuxi` command, as shown in the following example:

```
[root@server uv]# PATH=$PATH:/usr/uv/bin
[root@server uv]# cd /usr/u2/sbxa/UniVerse/SB+.DEFN/DM.O
[root@server DM.O]# fnuxi SB.LOGIN
Processing 'SB.LOGIN'
[root@server DM.O]# fnuxi SB.USER.CHECK
Processing 'SB.USER.CHECK'
[root@server uv]# cd /usr/u2/sbxa/UniVerse/SB+.DEFN/DMSH.O
[root@server DMSH.O]# fnuxi SBC.VERIFY.USER
Processing 'SBC.VERIFY.USER'
[root@server DMSH.O]# fnuxi SH.VERIFY.USER
Processing 'SH.VERIFY.USER'
```

## UniData

1. Extract the contents of the appropriate `.zip` file for your platform. For Windows: `udt_win.zip`. For UNIX: `udt_unix.zip`. The extracted `.zip` file contains the following object code files:

```
DM _SB.LOGIN
DM _SB.USER.CHECK
DMSH _SBC.VERIFY.USER
DMSH _SH.VERIFY.USER
```

2. Make a backup copy of the original object code files, then copy these files to the `DM` and `DMSH` folders in the `SB.DEFN` account.
3. On certain machines (such as Linux), this BASIC object code will not match the byte order of your target server. To swap the byte order, use the UniData `convcode` command, as shown in the following example:

```
[root@server ud82]# PATH=$PATH:/usr/ud82/bin
[root@server ud82]# cd /usr/u2/sbxa/UniData/SB.DEFN/DM
[root@server DM]# convcode _SB.LOGIN
_SB.LOGIN: Converted
```



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```
[root@server DM]# convcode _SB.USER.CHECK
_SB.USER.CHECK: Converted
[root@server ud82]# cd /usr/u2/sbxa/UniData/SB.DEFN/DMSH
[root@server DMSH]# convcode _SBC.VERIFY.USER
_SBC.VERIFY.USER: Converted
[root@server DMSH]# convcode _SH.VERIFY.USER
_SH.VERIFY.USER: Converted
```

4. If you chose to globally catalog SB+ object code during your installation, then re-catalog SB+ in the SB account:

```
RUN SAPROGS CATALOG.SBPLUS
```

5. Restart UniData to ensure that all users run the new object code.

Send feedback to [U2Support@rocketsoftware.com](mailto:U2Support@rocketsoftware.com).