

Rocket U2 Clients and APIs

Release Notes

Version 5.3.0

October 2022
UCC-530-ALL-RN-1

Rocket U2 Clients and APIs overview

These release notes provide information about updates made to the 5.3.0 clients.

Component versions included in this release

Component	Version	Release Date
Certificate Management Tool	1.0.0	January 2020
Dynamic Connect	6.4.0	May 2019
Installation	5.3.0	October 2022
InterCall	4.2.1	October 2022
SSL Configuration Editor	4.52.1	October 2022
SSL Setup Tool	1.0.0	October 2022
U2 ODBC	7.241.02	October 2022
UCI Client	11.241.1	October 2022
UCI Configuration Editor	4.251.2	October 2022
UniJDBC	2.161.2	October 2022
UniObjects for Java	5.111.2	October 2022
UniObjects for .NET	3.171.1	October 2022
UniObjects for .NET Driver Standard 2.0	1.0.0	October 2022
UniData Visual Schema Generator	3.290.3	October 2022

Certification

The following platforms are certified for use:

Certified Platforms	Servers
Windows 10 Windows 11 Windows Server 2019 Windows Server 2022	The platforms listed are certified for the following server versions: UniVerse <ul style="list-style-type: none">v11.3.4v12.2.1 UniData <ul style="list-style-type: none">v8.2.4

Additional certification information:

- JDBC and UniObjects for Java clients are built with OpenJDK 1.8.
- UniObjects for .NET client is built with Visual Studio 2013 or later.
- All other clients are built with Visual Studio 2010.

U2 Clients and APIs setup

To install or upgrade a package, click the appropriate component name from the installer.

Rocket U2 Clients and APIs 5.3.0 new features, enhancements and fixes

These release notes provide information on the new features in Rocket U2 Clients and APIs 5.3.0 as well as the list of enhancements and fixes in this release.

What's New?

- U2 Clients has added support for the new TIMESTAMP data type. This is supported only for UniVerse 12.1 or higher.
- U2 ODBC and JDBC clients have added support for the TLSv1.3 protocol.
- The U2 Clients JDBC component now supports Java 9 and higher.
- The U2 Clients UOJ and JDBC components now support OpenJDK11 or higher with TLSv1.3 protocol for connections to the U2 databases.
- The U2 JDBC driver was previously delivered as two components: Java.zip and unijdbc.jar. In this release, these two components are now delivered in a single .jar file in the format Uni-jdbc-`<version>.jar`. This updated method of delivery significantly reduces the setup time for the U2 JDBC driver.

Enhancements and fixes

Issue number	Description	Component
UCC-3563	In the previous release, the UOJ UniFile getAkInfo(), iType() and readNamedField methods failed to execute with an "rpc invalid data types" exception. This issue has been resolved in the current release.	UniObjects for Java
UCC-3565	Corrected an issue where in previous releases, the VSG Help module was not supported for Windows 10, Windows Server 2012 or later versions of Windows Server. This issue has been fixed in the current release and the VSG Help module now displays properly in the latest Windows versions.	Visual Schema Generator
UCC-3584	Corrected an issue where installing UCI 64-bit and 32-bit on the same machine caused corruptions in the install and uninstall process because the files would be installed to the same directory. The new installation process creates different directories for UCI 64-bit and 32-bit installations, thus correcting the issue.	UCI Client
UCC-3602	In previous releases, setting a tcp timeout value in UOJ had no effect on the underlying tcp connection call. This issue has been corrected in this release and the initial tcp connection call now respects the tcp timeout value.	UniObjects for Java
UCC-3645	In previous releases, when using the U2 ODBC driver and savings credentials in the ODBC Data Source Administrator, if a password was greater than 31 characters in length, an error would be thrown. This issue has been fixed in the current release and the system will now accept passwords up to limit to 127 characters in length.	U2ODBC

UCC-3659	U2 Clients now supports the new TIMESTAMP data type against UniVerse 12.1 or higher.	U2ODBC
UCC-3682	In previous versions, the U2 SSL Setup Tool was unable using IPv6 protocol to connect to U2 server and an exception would be generated. This issue has been fixed in the current release.	SSL Setup Tool
UCC-3782	U2 ODBC and JDBC clients now support TLSv1.3 protocol.	UDT/ODBC Driver, UniObjects for Java
UCC-3796	Corrected an issue where the UCI Configuration Editor parameter selection drop-down list didn't include all currently available parameters. This issue has been fixed in this release and all parameters are now available from the drop-down list.	UCI Config Editor
UCC-3832	The U2 Clients U2JDBC component now supports Java 9 and higher.	UCC
UCC-3857	The U2 Clients UOJ and JDBC components now support OpenJDK11 or higher with TLSv1.3 protocol for connections to the U2 databases.	Security
UCC-3878	In the previous release, the UOJ UniFile readNamedField method failed to execute with an "Cannot perform operation on a null recordID" exception. This issue has been resolved in the current release.	UniObjects for Java
UCC-3884	In previous releases, the MV JDBC driver was delivered as two components: Java.zip and unijdbc.jar. In this release, these two components are now delivered in a single .jar file in the format Uni-jdbc-<version>.jar. This updated method of delivery significantly reduces the setup time for the MV JDBC driver.	JDBC Driver
UCC-3988	Prior to this release, the UCI configuration parameter COLUMN_DISPLAY_LENGTH was not functioning correctly. When defined with a column length greater than the default of 254, columns containing more than 254 characters were still generating error messages. The error messages indicated the maximum expected data length was still 254. This issue has been resolved at the current release.	U2ODBC
UCC-3990	For the SSL configuration editor, new TLS 1.3 option has been added.	U2ODBC
UCC-4004	For the SSL setup tool, new TLS 1.3 support option has been added to SSL setup tool.	Security
UCC-4007	Corrected an issue where the \HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Rocket Software\UniClient\SSL_PROTOCOLS registry key was not being installed with the UCC ODBC installation. This registry key is now properly installed and the value for the key is: "TLSv1.1,TLSv1.2,TLSv1.3".	U2ODBC
UCC-4019	U2 Clients SSL Components have been updated to OpenSSL 1.1.1n version.	Security

Notices

Edition

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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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In addition to using the Rocket Community to obtain support, you can use one of the telephone numbers that are listed above or send an email to support@rocketsoftware.com.