



Rocket UniData 8.3.2. and Rocket MultiValue Performance Experience 1.10

FAQ

April 2024



Can I upgrade just my Publisher to UniData 8.3.2 and not my Subscriber?

The replication protocol level at UniData 8.3.2 is 10010. A publisher system running 8.3.2 can communicate with any subscriber system running protocol level 10010. This includes UniData versions 8.2.2 and later.

Can I upgrade just my Subscriber to UniData 8.3.2 and not my Publisher?

The replication protocol level at UniData 8.3.2 is 10010. A subscriber running UniData 8.3.2 will accept logs from a publisher system running with replication protocol level 10010. This includes UniData 8.2.2 and later.

For full UniData replication compatibility please see Knowledge Article:

<https://my.rocketsoftware.com/RocketCommunity/s/article/UniData-Release-Compatibility-for-Data-Replication-Publisher-and-Subscriber-Systems-1478611862839>

Does the version of OpenSSL supplied with UniData 8.3.2 differ from previous 8.2.x releases?

Yes. UniData 8.3.2 supports OpenSSL 3.0 for increased security, adding more modern cryptographical algorithms and cipher suites support, as well as the latest TLS 1.3 protocol. UniData v8.2.4 supports OpenSSL 1.1.1.

What do I need to check to prepare for OpenSSL 3.0?

Some algorithms previously supported in OpenSSL 1.1.1 are no longer supported by default in OpenSSL 3.0 and are described as legacy. We've added new ECL commands to allow the use of legacy algorithms, along with changes and additions to the udtconfig parameters. FIPS_MODE support is disabled with OpenSSL 3.0. Alongside the downgrading of some algorithms, the security strength of certain certificates such as SHA1 and MD5 have been reclassified in OpenSSL 3.0 and this has resulted in the TLSv1 and TLSv1.1 levels being reclassified. If you wish to use these then you will need to review the default settings of the new security parameters in udtconfig.

Does the version of Python supplied with UniData 8.3.2 differ from previous 8.2.x releases?

Yes. UniData 8.3.2 supports Python version 3.11. UniData v8.2.4 supports Python 3.9.12.

Does an upgrade install of UniData preserve customized Python modules?

We've enhanced the UniData install process to preserve existing Python modules and path files.

Does UniData 8.3.2 contain any error reporting enhancements?

Yes. We have enhanced error reporting for easier diagnostics, including:

- If UniData fails to start due to a problem with one or more parameters in the udtconfig file, the incorrect parameters are now reported within the error message.
- Users are now given the option to specify how minidump files, used for troubleshooting purposes, are handled during the initial installation.
- If you encounter an error when opening a dynamic file, we've expanded the related error message to include details about the reason for failure.
- We've expanded the VCATALOG command to report why the VCATALOG check failed.

Does UniData 8.3.2 support MVX: Performance?

UniData 8.3.2 supports MVX: Performance 1.10 functionality, which includes replication monitoring tables, graphs showing historical data, several replication monitoring events, device licensing events, connection pool events, and enhanced documentation. For more information on MVX: Performance, check out [MultiValue Performance Experience \(MVX: Performance\) playlist on YouTube](#).

Does UniData 8.3.2 contain any Replication diagnostic enhancements?

Several warning/error messages now include additional detail to assist you with problem diagnosis, including:

- An enhanced "invalid log sequence" message which now includes the actual and expected LSN number.
- When replication reports "Remote system not found", we've enhanced the message to include the SYSTEM name or GROUP name.

Does UniData 8.3.2 contain any Replication recovery enhancements?

Yes. We've added:

- A recovery script allowing the repmanager to be stopped and restarted without the need to stop and restart UniData if the repmanager becomes unresponsive.
- A new skip option to the ud_repadmin command to facilitate the recovery from stalled subscriber groups.

Does using Replication at UniData 8.3.2 require any licensing change?

At UniData 8.3.2, you need to configure the REP package as part of the UniData license to use Replication.

Does UniData 8.3.2 contain any UniBasic enhancements?

Yes. U2 Basic enhancements include the ability for the 'RETURN' command to allow a file variable to be returned, improved error reporting, and consistent left-justified sort with the SORT() function.

Does UniData 8.3.2 contain any UniQuery enhancements?

Yes. We have added UDT.OPTIONS 131 'U_ESCAPE_QUOTES_IN_QUERY' providing the ability to allow quotes to be escaped in a query constant and enhanced the COUNT, LIST, SELECT, SORT, and SSELECT commands to support a "FROM listnumber" clause.

What platforms does UniData 8.3.2 support?

UniData 8.3.2 is supported on Windows, Linux, and AIX. Check out the Product Availability Matrix at: <https://rbc.rocketsoftware.com/matrix.asp> for full details.

Do you use Rocket System Builder Extensible Architecture?

If so, please be aware that the UniData upgrade to OpenSSL 3.0 means that SB/XA legacy encryption algorithms used to encrypt SB/XA user passwords are now disabled by default. Please upgrade to hotfix SB/XA 6.5.7.7506 or re-enable the disabled legacy algorithms in UniData. An upgrade to SB/XA 6.5.7.7506 resolves the issue by re-encrypting SB/XA user passwords using the PDKDF2 key derivation function.