



Rocket U2 UniData Hotfix

Version 8.2.1

General Hotfix information

This release note contains a cumulative summary of all the Hotfixes made available for a specific Generally Available (GA) product version. Please browse this document to find the Hotfix release that fits your specific needs.

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

To obtain a specific Hotfix:

1. Log into the [RBC system](#) and modify your existing license.
2. Click **Edit** next to your existing product and then click **Search** to view the list of GA product releases.
3. After the product availability matrix displays, enter in the Hotfix version number (which 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, then click **Search**.

The Hotfix release will display on the product matrix and can be selected for ordering and download. If you have questions about RBC, please contact us at U2Support@rocketsoftware.com.

Note: Hotfix releases are intended to be short-term solutions and have had limited testing in order to be made available quickly. All Hotfix changes will be included in the next GA release, and will be fully tested by Rocket's Quality Assurance (QA) team across all supported platforms and environments. It is strongly recommended that after taking a Hotfix customers [upgrade](#) to the next available GA release to ensure the highest quality experience.

For questions, please contact support at U2Support@rocketsoftware.com .

Rocket UniData Hotfix 8.2.1.9125

September 2020

Applicable platforms

- Linux
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-18251	As a result of the changes made for UDT-16930 in version 8.2.1.9114, a problem was inadvertently introduced with the char pointer variables being passed. This issue has been resolved.
UDT-18278	Previously, an EDA write would fail if a mapped field contained more than 32,677 mark characters and the following exception message would occur: <code>Numeric value out of range.</code> This limitation has now been removed.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9124

April 2020

Applicable platforms

- AIX
- Linux
- Windows
- HP-UX
- Solaris SPARC

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-9523	<p>When using a <code>SELECT</code> against a multi-valued indexed field, an extra step is performed to return the results in descending order. This can result in the <code>SELECT</code> (without the index) returning results faster as compared to using the index due to the extra overhead for the sort process.</p> <p>Starting with this release, the new <code>UDT.OPTIONS 125 (U_MV_SELIND_ASC)</code> has been added. If this option is enabled, the list will be returned in Ascending order. Without the overhead of the extra sort, the <code>SELECT</code> will run faster with the index.</p>
UDT-12816	<p>Starting in version 8.1.0, when checking to ensure disk space was available to update a file, the check did not cover any space needed for index writes. This issue has been resolved.</p>
UDT-17024	<p>Starting with UniData 8.1.0, if an NFA file was opened into a <code>COMMON</code> variable and then subsequently the file was not closed before logging out of UniData, an error message similar to the following would display on logout.</p> <pre>In at line 1, Your NFA server has gone down, errno is 9.</pre> <p>This issue has been resolved.</p>
UDT-17912	<p>As a result of the changes made for UDT-17666 in version 8.2.1.9121, the Debugger <code>PL</code> command stopped working. This issue has been resolved.</p>
UDT-17913	<p>Prior to this release, when a parent process spawned a child process (for example, via the <code>PHANTOM</code> command), the open file handles of the parent process were inherited by the child process. This then consumed the available file handles and could lead to the child process failing because there were no available file handles (even though the child process had not itself opened these files). This issue has been resolved.</p>
UDT-18032	<p>Prior to this release, if the <code>Too many constants</code> message was encountered when attempting to compile a large program, the program would not be compiled. This was because hard coded limits were reached with UniData. As a result, on AIX, the <code>mchinfo</code> executable would core dump. This issue has been resolved.</p>
UDT-18033	<p>Starting in version 8.2.1, if a process timed-out due to the inactivity period defined by the <code>TIMEOUT</code> command, and if the <code>Press Any Key To Continue</code> message was encountered in the <code>LOGOUT</code> paragraph, the process would core dump. This issue has been resolved.</p>

Issue number	Description
UDT-18038	Due to changes made for UDT-17776 in UniData 8.2.1.9123, the use of a <code>TRANS</code> or <code>OCONV (Tfile)</code> with Audit could result in a process core dumping. This issue has been resolved.
UDT-18059	Prior to this release, the permissions on the <code>TRANS_COMMIT_LOG</code> file could have changed when upgrading UniData which could result in the file being no longer accessible for some users. This issue has been resolved.
UDT-18069	Prior to this release, the <code>DECRYPT . INDEX</code> , <code>DELETE . INDEX</code> and <code>DELETE . FILE</code> commands would not remove encrypted index information from the <code>KEYSTORE</code> if the index was related to a dynamic file. As a result, correcting the now orphaned <code>KEYSTORE</code> entries required performing a cumbersome process. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9123

January 2020

Applicable platforms

- AIX
- Linux
- Windows
- HP-UX
- Solaris SPARC

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16882	Audit. Starting with this release, improvements have been made to allow for easier tuning of the list of files, users, programs and executables to be included/excluded in the audit configuration. For more information, in UniData 8.2.1, search for UDT-16882 in the Rocket Support Knowledge base. These changes will be added into the product documentation in a future release.
UDT-16937	Audit. Prior to this release, when using the <code>DELETE</code> command at ECL, the records and filename were not populated in the auditing records. This issue is fixed. As part of this change starting with this release, the <code>DELETE</code> command at ECL event was changed to be tracked by the <code>DAT.QUERY.COMMAND</code> event type instead of the previously used <code>SYS.COMMAND</code> event type.
UDT-17776	Audit. Prior to this release, if the <code>TRANS</code> or <code>OCONV (Tfile;a;n;n)</code> functionality was used to read information from a secondary file, the read of the secondary file was not tracked in Auditing. This issue has been fixed.
UDT-17795	Audit. Prior to this release, if a <code>BEFORE</code> or <code>AFTER UPDATE TRIGGER</code> were used and a subsequent <code>WRITE</code> of a record was performed in the UniBasic trigger subroutine, then no write action would be recorded in the audit log. This issue has been resolved.
UDT-17800	Replication. Starting with this release, the performance of the <code>LIST.REPLICATION.FILE</code> command has been improved when a large number of files are tracked in U2 Replication.

Issue number	Description
UDT-17801	<p>Audit. Prior to this release, the timeout for audit to successfully start was hard coded as 60 seconds and if exceeded would lead to UniData failing to start. If other components such as replication or the RFS took longer than 60 seconds to start this would have also resulted in the Audit timeout being breached.</p> <p>Starting with this release, a new udtconfig parameter called <code>AUDIT_STARTUP_TIMEOUT</code> is available to change the default 60 seconds to a different whole seconds value. If this situation occurs, the <code>AUDIT_STARTUP_TIMEOUT</code> value should be increased. The message in the UniData startup logs would be similar to:</p> <pre data-bbox="480 485 1434 638">Fri Jan 10 09:11:31 2020; Error: SMM has not yet completed the startup process and the Audit setup could not start as it has reached the timeout (the default is 60 seconds), please increase the parameter AUDIT_STARTUP_TIMEOUT to allow for the longer startup time of SMM</pre>
UDT-17815	<p>Replication. Starting with this release, improvements have been made to decrease the amount of time it takes to load the replication object table on UniData startup.</p>
UDT-17823	<p>Replication. Prior to this release, if an attempt to replicate the <code>TRANS_COMMIT_LOG</code> file was made, it would only be replicated if the primary file reference was under the control of the account level group in which the transaction was started. This issue has been fixed.</p>
UDT-17824	<p>Audit. Prior to this release, if a <code>DAT.BASIC.WRITE</code> Event was logged and multi-level triggers were used and the writes were performed within those trigger subroutines, the auditing records associated with those writes were not logged. This issue has been fixed.</p>
UDT-17836	<p>Audit. Prior to this release, if audit consolidation was enabled and multi-level triggers were used, the processes performing audited actions would terminate abnormally. This issue has been fixed.</p>

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9121

September 2019

Applicable platforms

- AIX
- Linux
- Windows
- HP-UX
- Solaris SPARC

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-17159	<p>Prior to this release, if a record was deleted from a dynamic WHOLEFILE and the block was in level two overflow, a message similar to the following could be produced:</p> <pre>In BP/_UDT-17159 at line 15 1:movlen error in U_arrange_block for file 'JDSTEST', key '', number=616 In BP/_UDT-17159 at line 15 1:movlen error in U_delete_record for file 'JDSTEST', key '', number=616 In BP/_UDT-17159 at line 15 1:movlen error in delete_from_group for file 'JDSTEST', key 'MEMBER#000000115627#UPD#SEC', number=616</pre> <p>The file would then be broken and need repairing, running guide against the file would produce errors such as:</p> <pre>JDSTEST File Integrity: Group 3848, block 12773 bytes used 201 and bytes left 790 are inconsistent Group 3848, block 12773 is pointed to by multiple links Warning: The 2395th block of file has no link. Warning: The 2557th block of file has no link. Warning: The 3644th block of file has no link. Warning: The 10946th block of file has no link. Warning: The 11314th block of file has no link. Warning: The 14856th block of file has no link. Files processed: 1 Errors encountered: 2</pre>
UDT-17666	<p>Starting with v8.2, the PP command in the UniBasic debugger was not working correctly.</p>
UDT-17669	<p>In versions 8.2.1.9119 and 8.2.1.9120, a DELETE issued against a file that was EDA mapped as a subscribing object of a single server replication may not have succeeded which caused the udsb process to die.</p>

Issue number	Description
UDT-17672	<p>Prior to this release, if the NEWPCODE failed, no error was produced which left no way to detect an error. Starting at this release, if NEWPCODE fails it will produce the following message:</p> <pre>NEWPCODE BP\missingprogram errno=2: No such file or directory Can not access program BP\missingprogram</pre>
UDT-17676	<p>Prior to this release, when trying to run a program compiled on very old versions of UniData, a message similar to the following would be produced:</p> <pre>File 'BP_UDT-17676-TEST' was compiled using a compiler version prior to 2.0 and cannot run in a higher environment.</pre> <p>This message has now been expanded to include:</p> <pre>Please re-compile the program and then try again.</pre> <p>On Windows only, the compiled code would have been left locked and you would have been unable to delete that code or recompile until UniData was restarted. This is has also been fixed as part of this release.</p>
UDT-17680	<p>For AIX only, when using the OPENSSL_FIPS environment variable, using the openssl command shipped with UniData would cause this error:</p> <pre>1152921504606846944:error:2D06B06F:FIPS routines:FIPS_check_incore_fingerprint:fingerprint does not match:fips.c:232:</pre> <p>This issue is now resolved. Due to this change, the OpenSSL version shipped with UniData on AIX is now 1.0.2p-fips.</p>
UDT-17681	<p>Prior to this release, the counts produced within the File I/O option of the udtmon tool were being double-counted.</p>
UDT-17694	<p>Starting with 8.2.1, if a replication subscriber was promoted to a failed-over publisher and the existing sessions had not been disconnected from the failed-over publisher prior to the fail-over, then the compilation of a UniBasic program would not have been replicated to the failed-over subscriber.</p>
UDT-17725	<p>Starting with UniData 8.1, the performance of the UniBasic <code>DIM array = ""</code> statement on HPUX, AIX and Solaris showed a performance degradation from versions 7.2/7.3 of UniData. Although only measurable with repeated iterations (in the tens of thousands) of the command, with this modification, some of that performance degradation has been corrected.</p>
UDT-17762	<p>Prior to this release, after exiting a UniData session, the following error message could be produced:</p> <pre>unfree buffer in sbr_merge.c at 675</pre>

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9120

July 2019

Applicable platforms

- AIX
- Linux
- Windows
- HP-UX
- Solaris SPARC

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-17146	Audit. Prior to this release, if a BEFORE or AFTER UPDATE TRIGGER is used and the WRITE of the record was performed in a UniBasic subroutine, then no write action would be recorded in the audit log. This issue has been resolved.
UDT-17147	Audit. Prior to this release, if a AFTER DELETE TRIGGER is used and the DELETE of the record was performed in a UniBasic subroutine, then no delete action would be recorded in the audit log. This issue has been resolved.
UDT-17149	Linux only. Prior to this release, running the RESIZE CONCURRENT command could produce an intermittent error with a message similar to the following: <pre>glibc detected *** /disk1/ud82/bin/udt: free(): invalid pointer: 0x000000000 14eb730 ***</pre> The issue has been resolved.
UDT-17150	HPUX / Linux only. Prior to this release, if a file was resized from 32bit to 64bit, a 'false' error message similar to <pre>Thu May 9 05:20:45 2019; cwd=/disk1/614824/TESTRESIZE 1:blk check error in U_read_hash_gblk for file 'TEST-RESIZE', key '198', number=33198</pre> could be produced and a subsequent 'guide' of the file would report no errors. This issue has been resolved.
UDT-17174	Audit. Prior to this release, the UniBasic statements SELECT and SELECTINDEX would have been incorrectly tracked if the file had a DAT.BASIC.READ event set against it. This issue has been resolved.
UDT-17652	Replication. Prior to this release, repeated field level updates of the same record could result in the record not being correctly updated on the subscriber. This problem has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9119

July 2019

Applicable platforms

- AIX
- Linux
- Windows
- HP-UX
- Solaris SPARC

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16684	(Unix only.) An enhanced UniData Performance Monitoring tool, called udtpm, has been added in this release. This command-line driven monitoring tool provides information about UniData users and system activity. Refer to the Pre-Release Documentation for UniData Performance Monitoring Tool (https://my.rocketsoftware.com/RocketCommunity/articles/How_To/Pre-Release-Documentation-for-UniData-Performance-Monitoring-Tool-udtpm) on the Rocket Community site for additional information.
UDT-17039	Starting with UniData 8.2.0, if a BCI (Basic Call Interface) variable was used within a named common area, the memory being used by that variable may have been incorrectly doubly released upon completion of the UniData session. On Windows this may have produced a minidump. This issue has been resolved.
UDT-17073	Starting in September 2018, our source code was moved to a git repository. One result of this move was that some empty and unnecessary .keep files were incorrectly shipped with the products. This issue has been resolved.
UDT-17074	Starting with UniData 8.2, the udtmon utility failed to report the correct values for the File I/O option. This issue has been resolved.
UDT-17078	AIX only. Starting with UniData 8.1.0, if the same UniBasic variable was used as both a string and a file pointer in an OPEN statement, the file could not be opened. This issue has now been resolved.
UDT-17079	Starting with UniData 8.2.0, if the OSBREAD statement read a file whose length was an exact multiple of the block length being used, then the OSBREAD statement would take one extra iteration than was necessary to detect the end of the file. This issue has now been resolved.
UDT-17080	Starting with UniData 8.2.0, the SCHEMA_LIST_USERS api may have returned the following error message: In C:\U2\ud82\sys\CTLG\s\SCHEMA_LIST_USERS at line 49 Unable to read definition for routine U_get_list_user from VOC. In C:\U2\ud82\sys\CTLG\s\SCHEMA_LIST_USERS at line 49 C function 'U_get_list_user' not found This issue has now been resolved.

Issue number	Description
UDT-17085	Starting with UniData 8.2.1, when using NFA and the READVU UniBasic command, the full data record was returned rather than the field number specified. This issue has been fixed.
UDT-17102	Starting with this release, the <code>udtsetup</code> script has been updated to version 1.2.9.
UDT-17114	Starting with UniData 8.2.0, changes were made in UDT-15324 to change the error handling of the OSBREAD statement to be consistent with other statements. If the OSBREAD statement is positioned past the end of the file, then the ON ERROR clause of the statement is taken, STATUS () is set to a new value of 5 and the variable used to contain the result of the OSBREAD statement will not be changed. Prior to 8.2.0, if the OSBREAD was positioned past the end of the file then the result variable would almost certainly return an empty string. A new UDT.OPTION 124 has been added to revert to the prior behaviour to allow old code to function without modification.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9117

March 2019

Applicable platforms

- AIX
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-17042	<p>Starting at UniData 8.1.0, if the 'over' file header in a dynamic file was corrupt but the 'data' file header was not, UniData would incorrectly treat the file as a directory.</p> <p>Starting at this release, if this type of corruption is encountered, file operations are blocked and a message similar to the following displays:</p> <pre>: LIST MYFILE hashtype 0 is error for dynamic hashfile. Open file error.</pre>
UDT-17055	<p>Starting at UniData 8.2.x, UniData on UNIX or Linux switched from being statically linked to dynamically linked. If external C programs were added via <code>CALLC</code> functionality and the return type was a pointer, double, float or char, symbol errors similar to the following could occur:</p> <pre>Could not load program udsrvd: rtld: 0712-001 Symbol U_ltoa was referenced from module /disk1/ud82/work/libu2callc.so(), but a runtime definition of the symbol was not found. rtld: 0712-002 fatal error: exiting.</pre> <p>Additional symbols that could be referenced in the above error include <code>U_dtoa</code>, <code>U_ftoa</code> and <code>U_getzeroret</code>. This issue has been resolved by properly defining the noted symbols.</p>
UDT-17060	<p>Windows only. Starting at UniData v8.1.2 build 2001 or v8.2.0, if the <code>P</code> command was used in the UniData debugger and it was not a dual terminal debugging session, the process generated an access violation and disconnected the session. Previously, if this situation occurred, users would have received an appropriate error message. This issue has been resolved with this release.</p>

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9116

March 2019

Applicable platforms

- AIX
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16700	Starting at this release, the <code>udtsetup</code> script has been updated to version 1.2.8.
UDT-17040	Prior to this release, client-server connections using the <code>unirpc</code> interface could be clear text or secure, using SSL. Starting at this release, new options have been added to <code>unirpcd</code> , which enable secure SSL-only connections. Refer to the <i>Secure UniRPC</i> features section of this document for details regarding this feature.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9115

February 2019

Applicable platforms

- AIX
- Linux
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-15879	<p>Prior to this release, when using the memresize utility to convert a 32-bit dynamic file to a 64-bit dynamic file, the utility needed to be executed twice in some situations. The first execution would convert the file to a 64-bit file and the second execution would reduce the overflow files into one file. Starting at this release, the memresize utility only needs to be executed once to perform this conversion.</p>
UDT-16829	<p>Prior to this release, UniData error logs could contain the following error message: <code>msgno = 30147. args = (null)</code>, which was intended to inform users that some memory was double freed. In this release, this message has been improved to be more descriptive.</p> <p>Starting in UniData v8.2.0, two RFS (Recoverable File System) users also reported receiving this message, which has also been resolved with this release.</p>
UDT-16942	<p>Prior to this release, if an index had a <code>NO.DUP</code> constraint on a subscribing system with replication, the replication writer process might have incorrectly failed to update the file with a message similar to the following:</p> <pre>Tue Oct 23 11:18:36 2018; RW report: RW(2, 8978778):RW violated nodup constrain(0, 0); (LSN=35797828) Insert on PIECE.LOCATION('53CF84D5-B910-176F-F876-DFA1B8562DEA') is canceled.</pre> <p>This issue has been resolved.</p>
UDT-16964	<p>Prior to this release, when users attempted to use the memresize utility and UniData could not locate the partition information for the temporary resize area in its list of file systems (<code>sms -F</code>), it displayed a message similar to the following:</p> <pre>Warning: Nov 30 04:37:27, Can't find the partition (-9223371860761116672) information in shared memory.</pre> <p>Starting at this release, this message has been improved to be more helpful to administrators.</p>
UDT-16974	<p>When indexes overflow and the RFS (Recoverable File System) is used, memory structures are swapped in and out to allow for additional data. During the swap, the index is locked. Prior to this release, in rare situations, duplicate locks caused the database to hang during the checkpoint phase. Starting at this release, changes were made to prevent duplicate locks, and the subsequent hang, from occurring.</p>

Issue number	Description
UDT-16982	<p>Prior to this release, if Automatic Data Encryption (ADE) was active, data was copied from an unencrypted file to an encrypted file, and both files had indexes, users received a message similar to the following when they attempted to write to the encrypted file:</p> <pre>In BP/_TEST at line 10 Index: invalid 'nkeys' (772330356) of node 16384. In BP/_TEST at line 10 1:Inserting index value(s) error in U_append_strtuple for file 'MYFILE', key 'A:DEFG:DEFG', number=7.</pre> <p>This issue has been resolved with this release.</p>
UDT-17001	<p>The UniData <code>smm</code> process cycles every minute by default. Prior to this release, if this cycle was delayed beyond 60 seconds, users received a message similar to the following:</p> <pre>mm set U_smm_check_flag to 1. seconds passed since last check:61.</pre> <p>Starting at this release, users will only receive this message if the interval time, plus 10%, has been reached.</p>
UDT-17011	<p>Starting at UniData v8.2.1 build 9114 (UDT-16956), changes were made to better support triggers with auditing. Updates and deletes were correctly tracked in the audit logs, but new data records that included trigger executions were not. This issue has been resolved with this release.</p>
UDT-17029	<p>Starting at UniData 8.2.0, if the <code>udtconfig</code> parameters <code>MAX_CAPT_LEVEL</code> and/or <code>MAX_RETN_LEVEL</code> were set higher than a value of 2, any processes performing an <code>EXECUTE</code> command in a subroutine could core dump. This issue has been resolved with this release.</p>

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9114

December 2018

Applicable platforms

- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16838	Changes made to resolve ODBC issues in version 7.3.7.6629 and version 8.2.0 resulted in users experiencing SQL query failures and receiving the following error message: <code>out of BUF_TYPE</code> . Both the original issue (UDT-15206) and this issue have been resolved with this release.
UDT-16930	(Windows only.) Beginning at this release, the <code>CALLC pointer</code> type has been updated to 64-bit to match 64-bit UniData builds. To use this variable type, custom applications must be recompiled in 64-bit mode.
UDT-16956	Prior to this release, <code>WRITE</code> commands written to a log file would not be logged via Audit Logging if the following occurred: <ul style="list-style-type: none">▪ The file had an update trigger.▪ The <code>WRITE</code> command came from a subroutine and not a parent program.▪ There was a <code>READ</code> command (of any kind, from any file) in the trigger routine.▪ The trigger called a subroutine. This issue has been resolved.
UDT-16975	Previously, if audit logging was enabled against a non-existing file and the UniBasic <code>DELETE</code> command was used, the process would crash. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9112

November 2018

Applicable platforms

- AIX
- Linux
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16944	Starting at 8.2.1, if the @TRANSACTION.ID grew to a certain size, the @LEVEL variable became damaged, which subsequently corrupted the value returned via SYSTEM(16). This issue has been resolved.
UDT-16932	Starting at 8.2.1, if the recoverable file system (RFS) was active and the last attribute in an RFS file was indexed, the associated index would become corrupted when a record was created or updated via the WRITE statement. This issue has been resolved.
UDT-16915	The <code>udtdiag</code> script for UNIX and Linux platforms has been updated to version 5.2.1 in this release.
UDT-16762	Linux only. Prior to this release, processes would core dump if the <code>readnamedfields</code> python function was used. This issue has been resolved.
UDT-16731	Prior to this release, in rare circumstances when processes were run, invalid addresses pointing to GLM segments might have been left in LCT information. When new users logged in and the LCT information was referenced again, newly run processes failed. These failures prevented additional users from logging in and required a database or server reboot. This issue has been resolved and the invalid address information is now properly cleared.
UDT-16684	An enhanced UniData Performance Monitoring tool, called udtpm , has been added in this release. This command-line driven monitoring tool provides information about UniData users and system activity. Refer to the Pre-Release Documentation for UniData Performance Monitoring Tool on the Rocket Community site for additional information.
UDT-16232	Prior to this release, when UniData child processes were closed, a check against unused files was completed up to the NFILES value. On AIX, the truss output displayed EBADF error messages. In this release, this unused file check has been restructured to reduce the number of EBADF error messages to less than 1% of the line counts in the truss output. This change will improve performance for some applications.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9110

August 2018

Applicable platforms

- AIX
- Linux
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-13934	Linux only. Starting at this release, if you are at a Python prompt inside a UniData udt shell, you can now use the up and down arrow keys to traverse the Python command stack history. This functionality will not show commands run outside of Python.
UDT-16572	Starting at UniData 8.2.1, if the guide utility was used against a dynamic file, the following message might have incorrectly displayed: <pre>warning(development internal): file:UD_SQLTABLES fileno:0 U_O_FFL_BITS[0] doesn't contain U_O_TMP_bits[0].</pre> This issue has been resolved, and a new '-nw' option has also been added. This option functions the same way as the SUPPRESS_ORPHAN_BLOCK_ERROR environment variable. For example, the has no link warning messages are suppressed from the error log file.
UDT-16668	Prior to this release, the EDA driver would not work with Microsoft ODBC driver for Linux. The EDA COM driver was unable to locate the libodbc.so file in the \$ODBCPATH/lib folder. This issue has been resolved. Now, if the \$ODBCPATH environment variable is not set, the driver will search /usr/local/lib, /usr/lib64, and then /usr/lib. If the \$ODBCPATH environment variable is set, the driver will search \$ODBCPATH/lib, and then \$ODBCPATH.
UDT-16739	Prior to this release, on UNIX and Linux systems with command line lengths longer than 16 KB, the UniData psfmt utility core dumped, which caused the showud command to return no results. This issue is now resolved.
UDT-16742	Starting at UniData 8.2.0, on AIX, HP, and Sun platforms, if UniData BASIC or guide commands were used and the UD.ACCOUNT file entry for the data account only contained one line of data, the process would core dump. This issue has been resolved.
UDT-16753	Starting at this release, the Device and Inode fields were removed from the LIST.LOCKS command, as they are invalid for these types of locks. Resolving this issue also ensures the same XAdmin functionality works correctly when clearing locks.
UDT-16758	Prior to this release, if UniData was moved to another server and the Recoverable File System was active, the encman retag process on the failover system corrupted the key store, making it unusable. This issue has been resolved.

Issue number	Description
UDT-16761	Prior to this release, when trying to run a BASIC program from Python, the command failed. This issue has been resolved.
UDT-16804	In UniData 8.2.0, coding changes were made to ensure files could not exceed their predefined limits. (UDT-12686.) The MAX_FLENGTH parameter in the <code>udtconfig</code> file applies only to 32-bit dynamic files, but was also incorrectly applied to 32-bit static files when the 8.2.0 coding changes occurred. This resulted in the CLEAR.FILE command failing if it was applied to a 32-bit static file that was already larger than the size defined by MAX_FLENGTH. This issue has been resolved.
UDT-16840	AIX only. Starting at UniData 8.2.0., the result of an exponent calculation with two integers did not always return a whole number, which could cause follow-up condition checking to unexpectedly fail. This issue has been resolved.
UDT-16846	Windows only. Starting at UniData 8.2.1, when running the <code>memresize</code> command with the <code>NOPROMPT</code> option, the following occurred: <ul style="list-style-type: none"> ▪ Changes were not made to the file. ▪ An empty <code>c:\udt.errlog</code> file was generated. ▪ The <code>memresize</code> executable crashed with a core dump. Also, if the <code>NOPROMPT</code> option was not specified, the <code>memresize</code> command did not prompt the user. Both sets of issues have been resolved.
UDT-16883	Prior to this release, the <code>TRANS_COMMIT_LOG</code> file was not correctly updated if the file pointers pointed to a remotely replicated file and the account in which the transaction was run was not replicated. This issue has been resolved.
UDT-16890	Starting at UniData 8.2.0, when the <code>glm_tool</code> utility was used and option 1 was selected to show the map of locks, a core dump would occur in UNIX and an exception violation displayed in Windows if more than one active read waiter was present. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9109

March 2018

Applicable platforms

- AIX
- HP
- Linux
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16604	Prior to this release, if an EDA write failed on the subscriber and RW_IGNORE_ERROR was set to 0, replication would not suspend. This prevented customers from realizing that database updates had been lost. This issue has been resolved.
UDT-16643	Starting at UniData 8.2, with the addition of the audit logging functionality, when large program stacks were stored in memory, the process may have core dumped. This issue has been resolved.
UDT-16649	Prior to this release, running <code>CLEAR.FILE</code> on a dynamic file with 30 or more part files, the process would core dump. This issue has been resolved.
UDT-16651	Prior to this release, if large MQI requests were received in UniData, the UniData process could core dump. On Linux this could show as an 'invalid free' error. This issue has been resolved.
UDT-16673	Due to recent changes for SQL memory corruption issues (UDT-16525 and UDT-15206), calls to the ISMB function (single or multi-byte language check) may have core dumped. This issue has been resolved.
UDT-16694	Previously, when using the performance monitor options in the Extensible Administration Tool (XAdmin), no results were shown when connecting to a UniData 8.2.x server. This issue has been resolved.
UDT-16704	When using CallHTTP to access a server and the response is using chunked encoding, well-formed chunks were expected. If incomplete or ill-formed chunks were received, the database process could crash. This issue has been resolved.
UDT-16706	AIX Only. Starting at UniData 8.2, the <code>udtmon</code> process may have core dumped when showing the second set of results. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9107

December 2017

Applicable platforms

- AIX
- HP
- Linux
- Solaris Sparc
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16438	<p>Prior to this release, if the BL# command was used when debugging a large globally cataloged program in the UniBasic Debugger, the execution of the program would hang or an error message similar to the following would be displayed:</p> <pre>***Line 9 is not an executing statement or program was not compiled with -D option</pre> <p>This issue has been resolved.</p>
UDT-16506	<p>Prior to this release, when writing to a large dynamic file with at least one index and if the indexed value was to be written to an index other than the primary index file (idx001) the process ended unexpectedly with an error similar to the two following examples.</p> <pre>In BP/_TEST at line 8 Index:open part file TESTFILE/idx003 failed(0) In BP/_TEST at line 8 Index: invalid offset for read: 0 In BP/_TEST at line 8 Index: read node error(0). In BP/_TEST at line 8 Index: Can not split node In BP/_TEST at line 8 1:Inserting index value(s) error in U_append_strtuple for file 'TESTFILE', key 'TESTING11', number=259 In BP/_TEST at line 8 Index:open part file TESTFILE/idx002 failed(0) In BP/_TEST at line 8 Index: invalid offset for read: 1440428032 In BP/_TEST at line 8 Index: read node error(0). In BP/_TEST at line 8 1:Inserting index value(s) error in U_append_strtuple for file 'TESTFILE', key 'TESTING1111', number=200</pre> <p>This issue has been resolved.</p>
UDT-16525	<p>Prior to this release, long-running odbc query sessions could have crashed with an access violation/coredump. This issue has been resolved.</p>
UDT-16542	<p>Prior to this release, the SQL syntax of LIKE '?' was not supported in all SQL modes. Customers may have seen this as an error with the 'Linq.Contains()' function. This issue has been resolved.</p>

Issue number	Description
UDT-16567	Starting at this release, the XDEMO account has been updated to version 3.1.4. This includes a fix for repeated calls to the FINDWAREHOUSE_PYFUNC program.
UDT-16574	Prior to this release, an SQL query on a view returned incorrect results. This issue has been resolved.
UDT-16576	Starting at UniData 8.2.1, when making a UO.NET call or U2 Toolkit connection that uses the LockRecord function, the <code>udapi_slave</code> process could generate an access violation/coredump. This issue has been resolved.
UDT-16579	Prior to this release, when making an ODBC connection to an account that had a LOGOUT paragraph that performed a BASIC program with a CHAIN command, the <code>udsrvd</code> process would coredump. This issue has been resolved.
UDT-16610	In rare situations, when user processes were exiting, the internal cleanup of memory could have generated a core dump. This was typically seen when large or many include files were used. This issue has been resolved.
UDT-16611	Starting at UniData 8.2.0, if a program used a WRITEV or FIELDWRITE command resulting in the firing of a trigger that performed an update to another file, then the session could end abnormally. Although only seen and reproduced on Windows, the underlying error could also be experienced in UNIX. This issue has been resolved.
UDT-16612	Starting at UniData 8.2.1, when running a program in the debugger, running <code>N#</code> with the <code>R</code> option did not repeat the <code>N#</code> command when Enter was pressed. This issue has been resolved.
UDT-16625	Starting at UniData 8.2.1, when running a program in the debugger, the <code>BP</code> option failed to set a break point. This issue has been resolved.
UDT-16626	In UniData 8.2.x, when using triggers, in some rare cases, processes could have stopped prematurely with <code>illegal buffer in U_free_buf</code> and <code>out of BUF_TYPE</code> errors. This issue has been resolved.
UDT-16631	HP Only. Starting at UniData 8.1.0, support for local functions was added. On HP only, if the program containing local functions was globally cataloged, the process would core dump when executed. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9106

October 2017

Applicable platforms

- AIX
- HP
- Linux
- Solaris
- Windows

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16313	Starting at this release, if a udsrvd ODBC process crashes with an access violation, a minidump result file will be produced.
UDT-16487	Starting with UniData 8.1.0 when multiple indexes were created on a dynamic file, the process could core dump. This problem has been resolved.
UDT-16488	<p>Starting with UniData 8.2.0, the STATUS() result of the SELECTINDEX command was changed so that a status code of 1 is returned if the index name is missing, and also if no records are selected. This change was made to bring the functionality in line with the documentation.</p> <p>At this release, a new udtconfig parameter named SELECTINDEX_RTN_STATUS has been provided. When set to 1 (default), this parameter causes the SELECTINDEX command and the STATUS() result to function the way it did prior to UniData 8.2.0. This means that a return status code of 1 will only mean that no records are selected and will allow applications to give the same result as they did prior to the change in case developers did not realize the mistake in the documentation. If the SELECTINDEX_RTN_STATUS parameter is set to 0, then the new UniData 8.2.0 behavior will be used.</p>
UDT-16490	<p>Prior to UniData 8.2, if you used the construct <code>READV value FROM file, key, 0 ELSE . . .</code>, if the key existed, the value was returned as 1. If the key did not exist, the value was returned as 0.</p> <p>Starting at 8.2, if the key exists, the value that is returned is the contents of attribute 1 from the record. If the key does not exist, the value is returned as null.</p> <p>This change in behavior was not expected and has been returned to the results seen at versions prior to 8.2.0.</p>
UDT-16497	Windows only. Prior to this release, if a large number of writes occurred during a UniData transaction and indexes were used, the process would produce an exception violation when the TRANSACTION COMMIT or TRANSACTION ABORT command was executed. This issue has been resolved.
UDT-16500	Starting at UniData 8.2.0, when updating a file within a Transaction (TRANSACTION START ... TRANSACTION COMMIT), if the file had an index that was built on a virtual dictionary, users saw the following message: <code>Illegal buffer in U_free_buf()</code> . The index and the file were updated correctly. This problem has been resolved.

Issue number	Description
UDT-16501	Starting at UniData 8.1.2, during an EDA conversion operation, a core dump could occur in the EDA Oracle driver when the Oracle API <code>OCIStmtExecute()</code> function was called. Users saw the RPC Call Error: The RPC failed, possibly the server process exited abnormally. The EDA Oracle driver has been fixed, resolving this problem.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9105

October 2017

Applicable platforms

- Linux

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
N/A	There are no customer-facing issues in this release.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9104

September 2017

Applicable platforms

- Windows
- AIX

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16471	<p>Beginning at 8.2.0, when a UniBasic program was compiled using the -D option, a new INCLUDE file stack was also produced. This stack would be used during the program's execution to report the included program name and line location in the following format:</p> <p>In BP_MAIN.PROG at line 2, BP\INCLUDE1 at line 4, BP\INCLUDE2 at line 1 WARNING: UNINITIALIZED VARIABLE USED! Zero Assumed!</p> <p>With this change, running large programs compiled with the -D option and close in size to the value of MAX_OBJ_SIZE may have caused access violations/core dumps.</p> <p>This issue has been resolved.</p>

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData Hotfix 8.2.1.9103

September 2017

Applicable platforms

- Windows
- AIX

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

Issue number	Description
UDT-16224	An issue was discovered with UniData sessions not always exiting on disconnection. If a thread exits out and the UniData main thread is still running, it sends a signal to the UniData main thread. Previously, if the UniData main thread did not respond or did not exit out, the udt process did not exit out. This has been changed so that if the UniData thread does not exit out within one minute, an error message is sent to the Windows event log and the udt process exits out.
UDT-16416	Replication. If an update failed on the subscriber, it was not always reported in the log files. Consequently, there was no record that the subscriber database was out of sync with the publisher. This issue was caused by changes made for UDT-2270 (changed at UniData 7.2.0), which stopped recording errors to the replication logs due to performance impact. This change has been reversed.
UDT-16442	Starting at 8.1.2, a UniBasic program could fail to complete the compilation phase if the -X option was used. On Windows, this would result in a hung telnet session or an unexpected termination of the udt executable performing the compilation. On UNIX, the session would terminate or no "compilation finished" message would be displayed. This issue has been resolved.
UDT-16445	Starting at 8.2.0, If a program used a WRITEV or FIELDWRITE command resulting in the firing of a trigger that performed an update to another file, then the session could end abnormally. Although only seen and reproduced on Windows, the underlying error could also be experienced in UNIX. This issue has been resolved.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.

Rocket UniData PE Hotfix 8.2.1.9102

August 2017

Applicable platforms

- Windows
- Linux

This download contains the most recent Hotfix for the previously released product. For questions, please contact support at support@rocketsoftware.com.

Description of the problem

There were no customer-facing issues in this release.

Installation instructions

Install as a typical installation. Refer to the *UniData Installation* manual for details.