



extend 9.2.3

A large, decorative graphic consisting of multiple overlapping, wavy blue lines that create a sense of motion and depth. The lines are in various shades of blue, from light to dark, and are arranged in a complex, swirling pattern that dominates the lower half of the page.

Release Notes

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extend Release notes

These release notes contain information that might not appear in the Help. Read them in their entirety before you install the product.



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extend System Requirements

For system requirements, see each product's documentation

This product includes software developed by the University of California, Berkeley and its contributors.

extend Installation Release Notes

Refer to the extend product's installation guides.

What's New

The following items are new for this release:

- Improved 64-bit support
- New control styles and properties
- Sortable grid columns
- Configurable ODBC driver used for SQL Server
- Support for the new SQL Server type DATE Change Number
- Increased BIG5 character set range
- XDBC query enhancement

ACUCOBOL-GT enhancements

This section includes the enhancements related to ACUCOBOL-GT.

Propagating COLOR properties in screen section

Version 9.2.0 added the ability to use COLOR phrases on push-button controls. For most people, this works well. But some COBOL programs use COLOR phrases on group items in the screen section, expecting the COLOR to not propagate to push-buttons since it never has before (or rather, the COLOR had no effect on the push-button).

The `-Vg` compiler option specifies which controls get COLOR information from their containing group item. Note that COLOR information includes BACKGROUND-COLOR, FOREGROUND-COLOR, COLOR, FOREGROUND-RGB, and BACKGROUND-RGB. Specify the `-Vgcompiler` option to not propagate color information. This can be optionally followed by a number, which is the bitwise OR of the control types to not propagate color for.

For a specific control type, the bit to use is 1 shifted left the control type number bits. So for the LABEL control, use 2 (1 shifted left 1), for PUSH-BUTTON, use 8 (1 shifted left 3), etc. Note that `sample/def/controls.def` file defines each control type, where you see entries such as CTL-LABEL is 1, and CTL-PUSH-BUTTON.

There should be no spaces between the `-Vg` and the following number.

Without any argument, PUSH-BUTTONS, CHECK-BOXES, and RADIO-BUTTONS do not get propagated color info. So `-Vg` is equivalent to `-Vg56`. Note that $56 = 32 + 16 + 8$, which is (1 shifted left 5) + (1 shifted left 4) + (1 shifted left 3), and CTL-RADIO-BUTTON = 5, CTL-CHECK-BOX = 4, and CTL-PUSH-BUTTON = 3.

`-Vg0` is equivalent to not using this option at all. Because the controls are 1-based and not 0-based, `-Vg1` is the same as using the `-Vg` option at all.

Change Number: ECN-4280

Type of Change: Enhancement

Incidents: 2693030

RPI Number: 1093702

Product: ACUCOBOL-GT

Module: compiler

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: All

Resolved Issues

The following are resolved issues for the extend products.

AcuBench ECN List

This section includes the ECNs relating to AcuBench:

ECN-WB930: Unable to find ACU utilities

Change Number: ECN-WB930

Type of Change: Correction

Incidents: 2682246

RPI Number: 1092735

Product: AcuBench

Module: WCblUtl.exe and others

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

The tools available from the Tools menu (CBLUTIL, LOGUTIL, etc) are graphical interfaces to the standard ACU utilities. In version 9.2.0, these tools were not able to find their command-line counterparts, and so could do no actual work.

ECN-WB931: Copy/Paste of an entry field loses some properties

Change Number: ECN-WB931

Type of Change: Correction

Incidents: 2682274

RPI Number: 1092765

Product: AcuBench

Module: AcuBench

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When an entry field was copied and pasted in the screen painter, some of the properties were modified. The most noticeable was the BORDER-COLOR property.

Acu4GL ECN List

This section includes the ECNs relating to Acu4GL:

ECN-GL529: Incorrect values sent to SQL queries

Change Number: ECN-GL529

Type of Change: Correction

Incidents: None

RPI Number: 1092363, 1092364

Product: Acu4GL

Module: Sybase

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: Unknown

Description of problem or enhancement

Acu4GL Sybase would send incorrect data values to SQL queries. This resulted in a possible incorrect record being returned or file system errors such as 102,1 "Incorrect syntax near ','".

ECN-GL530: Static builds of Acu4GL not re-linking properly

Change Number: ECN-GL530

Type of Change: Correction

Incidents: None

RPI Number: 1092720

Product: Acu4GL

Module: Sybase, Oracle, DB2

New Version: 9.2.3

Machines Affected: Unix

Known Versions Affected: Unknown

Description of problem or enhancement

It was not possible to relink a static build of some Acu4GL interfaces.

ECN-GL531: Acu4GL/Sybase returns error with Vision lock file

Change Number: ECN-GL531

Type of Change: Correction

Incidents: None

RPI Number: 1093945

Product: Acu4GL

Module: Sybase

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: 8.2.0 and later

Description of problem or enhancement

If the run time used `A_SYB_VISION_LOCKS_FILE` to write the record locks to a Vision file, a run time error occurred.

ECN-GL532: Error when accessing tables in different databases

Change Number: ECN-GL532

Type of Change: Correction

Incidents: 2695347

RPI Number: 1094399

Product: Acu4GL

Module: MSSQL

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

SQL Server 2012 created some limitations in how prepared statements can be accessed and executed. One of those limitations was that a prepared statement can only be executed in the same context in which they were prepared. The context is a set of attributes that includes the current database. So if your COBOL program attempted to access tables that resided in different databases, that access would possibly fail.

ECN-GL533: READ NEXT failed to find a record with a key of SPACES

Change Number: ECN-GL533

Type of Change: Correction

Incidents: 2698107

RPI Number: 1094223

Product: Acu4GL

Module: MSSQL

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When executing an OPEN immediately followed by READ NEXT, the interface returns the first record of the file. But if that record had a key that was all SPACES, the first record would be skipped and the second record returned instead.

ECN-GL534: Rewrite non-existent record succeeds

Change Number: ECN-GL534

Type of Change: Correction

Incidents: 2698400

RPI Number: 1094259

Product: Acu4GL

Module: MSSQL

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: 8.0.0 and later

Description of problem or enhancement

When a file was opened exclusive, non-existent record rewrites and deletions would not generate an error, not go into declaratives, and continue as if everything succeeded, including returning a file status of 00.

ECN-GL535: Incomplete results with A_MSSQL_USE_DROPDOWN_QUERIES

Change Number: ECN-GL535

Type of Change: Correction

Incidents: None

RPI Number: 1092648

Product: Acu4GL

Module: MSSQL

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: All

Description of problem or enhancement

The setting of the configuration variable `A_MSSQL_USE_DROPDOWN_QUERIES` to TRUE would return a possible incorrect result set if a REWRITE that changed the current key is performed on the file between READ NEXT/PREVIOUS calls while reading on an alternate key.

ECN-GL536: REWRITE fails when using secondary tables

Change Number: ECN-GL536

Type of Change: Correction

Incidents: 2700853
RPI Number: 1094580
Product: Acu4GL
Module: MSSQL
New Version: 9.2.3
Machines Affected: Windows
Known Versions Affected: 9.1.0 and later

Description of problem or enhancement

When a file had so many columns that it required secondary tables, a REWRITE would fail with an error 9D.

ACUCOBOL-GT ECN List

This section includes the ECNs relating to ACUCOBOL-GT:

ECN-4262: Overlapping controls flickering during vertical scroll

Change Number: ECN-4262
Type of Change: Correction
Incidents: 2667868
RPI Number: 1092117
Product: ACUCOBOL-GT
Module: Run time
New Version: 9.2.3
Machines Affected: Windows only
Known Versions Affected: 8.1.0 and later

Description of problem or enhancement

When there are a lot of controls on a scrollable window, there could be some flickering when the user uses the scroll bar to scroll the window. ECN 4258 fixed this for non-overlapping controls. This ECN fixes the issue more generally for all controls.

ECN-4263: Menu exception being sent to application twice

Change Number: ECN-4263
Type of Change: Correction
Incidents: 2666248
RPI Number: 1091496
Product: ACUCOBOL-GT

Module: AcuThin

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 8.0.0 and later

Description of problem or enhancement

ECN-3464 intended to fix an issue when an ActiveX control was on a window, and the user attempted to access the menu on that window with the keyboard (using Alt-D, for example). It solved the problem, but caused the thin client to duplicate such menu keystrokes, causing unintended menus to be activated. This ECN fixes that issue.

ECN-4264: RMNET failed with 9.2 objects

Change Number: ECN-4264

Type of Change: Correction

Incidents: 2676325

RPI Number: 1092154

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

The new RMNET module would fail to return valid GIVING values when the calling COBOL program was compiled for 9.2 and later compatibility.

ECN-4266: Colors for radio buttons, check boxes, labels on tabs

Change Number: ECN-4266

Type of Change: Correction

Incidents: 2679040

RPI Number: 1092422

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

Radio buttons, check boxes and labels with a transparent background, and on a tab control, would not display the text in the color given for the control.

ECN-4267: VSCROLL in grid when resized

Change Number: ECN-4267

Type of Change: Correction

Incidents: 2638259

RPI Number: 1088613

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: All

Description of problem or enhancement

When a grid control has a scrollbar, and is on a resizable window with a layout manager, resizing the window would possibly cause the scrollbar to disappear, leaving some rows were hidden from the top of the control. This normally would occur if the new size of the grid was larger than the number of rows needed, and the grid was scrolled.

ECN-4268: Wrong selection when multiple identical items

Change Number: ECN-4268

Type of Change: Correction

Incidents: 2500646

RPI Number: 1078140

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: All

Description of problem or enhancement

If a list-box had multiple items with the same value, clicking on the second or subsequent item generated the correct events and allowed proper index querying. However, when the list-box was again accepted, the selection moved to the first item with the same value as the selected item.

ECN-4269: GETINFO in MPUX environment on Linux returning incorrect length

Change Number: ECN-4269

Type of Change: Correction

Incidents: 2679178

RPI Number: 1092419

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: All Linux machines that support MPUX

Known Versions Affected: All

Description of problem or enhancement

When using the ACUCOBOL-GT run time linked with MPUX on a Linux system, calling the GETINFO intrinsic may have produced incorrect results.

ECN-4272: Scrolling the GRID control with a touch screen

Change Number: ECN-4272

Type of Change: Correction

Incidents: 2678460

RPI Number: 1093024

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: 8.1.1 and later

Description of problem or enhancement

When using a touch screen, you can drag scrolling controls with your finger to scroll the control. This is similar to dragging the scrollbar, but without needing to actually grab the scrollbar. ECN-3867 disabled this ability with the grid control, apparently because the Microsoft API `GetScrollInfo()` failed to return the actual tracking info in this case.

ECN-4273: Improper Web Thin Client screen refresh using Terminal Services

Change Number: ECN-4273

Type of Change: Correction

Incidents: 2665637

RPI Number: 1091851

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: All Windows machines

Known Versions Affected: All

Description of problem or enhancement

When using the Web Thin Client in a Terminal Services environment, like Remote Desktop, artifacts or remnants of old screen items could be left on the screen when minimizing or restoring the Terminal Services windows, the browser window, or when scrolling the browser window. This occurred when using different Windows themes such as Windows 7 Basic.

ECN-4274: BOXED entry field size difference

Change Number: ECN-4274

Type of Change: Correction

Incidents: 2665246

RPI Number: 1091061

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

An ENTRY-FIELD that had the BOXED style would be slightly smaller in version 9.2.0 and in previous versions.

ECN-4275: Check-box must be clicked twice after resize

Change Number: ECN-4275

Type of Change: Correction

Incidents: 2680679

RPI Number: 1092618

Product: ACUCOBOL-GT

Module: Run

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When a screen had a combo-box on a tab control, and a check-box, and a layout manager, then the check-box would need to be clicked twice in order to change its state; once to get the focus, and once to actually change.

ECN-4276: Compile failure for SORT TABLE

Change Number: ECN-4276

Type of Change: Correction

Incidents: 2685066
RPI Number: 1093114
Product: ACUCOBOL-GT
Module: compiler
New Version: 9.2.3
Machines Affected: All
Known Versions Affected: 8.0.0 and later

Description of problem or enhancement

If a table used an OCCURS DEPENDING, and was not the top-level 01 group (so was level 02 - 49), a SORT for that table would not compile correctly. See ECN-3479 for SORT TABLE details.

ECN-4277: Grid EVENT-DATA-1 would not return correct value of selected item

Change Number: ECN-4277
Type of Change: Correction
Incidents: 2685061
RPI Number: 1093034
Product: ACUCOBOL-GT
Module: Run time
New Version: 9.2.3
Machines Affected: All Windows machines
Known Versions Affected: All

Description of problem or enhancement

Selecting a column in a grid control would not always return the correct column number in EVENT-DATA-1.

ECN-4278: Memory Access Violation when using RGB background color on push-button

Change Number: ECN-4278
Type of Change: Correction
Incidents: 2685895
RPI Number: 1093107
Product: ACUCOBOL-GT
Module: compiler
New Version: 9.2.3
Machines Affected: All
Known Versions Affected: 9.2.2

Description of problem or enhancement

Using literal values for the RGB background and foreground of push-buttons had been problematic for all of the 9.2.x series of extend. In some versions, the colors did not come through. In others, the run time encountered a Memory Access Violation when trying to display a colored push-button.

Compiling a COBOL program with a 9.2.3 (or later) compiler produces an object which may not display RGB colors when run with a 9.2.0, 9.2.1 or 9.2.2 run time. If you have a program that works, and can not upgrade both the compiler and run time, then don't upgrade either. If you have a program which fails to display the RGB color, upgrade both the compiler and run time.

ECN-4281: Version incompatibility with --netdll:2.0

Change Number: ECN-4281

Type of Change: Correction

Incidents: 2668144

RPI Number: 1092743

Product: ACUCOBOL-GT

Module: Compiler

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: Unknown

Description of problem or enhancement

There was a version mismatch when using `--netdll:2.0` to create a .NET DLL. As a result, the CVM DLL could not be loaded into a Visual Studio project.

ECN-4282: Graphical display fails after heavy use

Change Number: ECN-4282

Type of Change: Correction

Incidents: 2685879

RPI Number: 1093536

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows only

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

Under heavy use, such as repeatedly displaying a large number of controls that have some of the new 9.2.0 features enabled, the display would fail. This was due to running out of Windows resources (technically, GDI Resources).

ECN-4283: Unable to INQUIRE CELL-PROTECTION on a grid

Change Number: ECN-4283

Type of Change: Correction

Incidents: None

RPI Number: 1093043

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: All

Description of problem or enhancement

Trying to INQUIRE a grid CELL-PROTECTION returned the most recent setting of CELL-PROTECTION, regardless of the cell inquired. So if you set the CELL-PROTECTION of cell 3,3 to 1, and then the CELL-PROTECTION of cell 4,4 to 0, then any further INQUIRE (of any cell) would return 0.

ECN-4284: W\$PROGRESSDIALOG not modal when it should be

Change Number: ECN-4284

Type of Change: Correction

Incidents: 2691258

RPI Number: 1093461

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: All

Description of problem or enhancement

When using the WPROGRESSDIALOG-MODAL flag, the resulting progress dialog would possibly not be modal to the current window. It would be modal to the main application window, but if you had other windows open, you might be able to interact with them.

Set the new configuration variable *W_PROGRESS_PARENT* to the default value of *MAIN* or 0, then *W \$PROGRESSDIALOG* behaves as it always has. The parent window of the dialog is the main ACU window.

When set to *CURRENT*, then the parent of the Progress dialog box is the current active window. The only difference is the parent window parameter passed to the Progress dialog box creation function. When the parent is the current window, then pressing the **Cancel** button on the dialog box sometimes causes the ACU application to go to the background, requiring you to bring it back to the foreground to continue to

interact with the ACU application. This is a side effect of the Progress dialog box. Determine if this behavior is acceptable before using the value of `CURRENT` for this configuration variable.

ECN-4285: C\$SYSLOG APPNAME value may be changed on UNIX

Change Number: ECN-4285

Type of Change: Correction

Incidents: 2692508

RPI Number: 1093822

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: all UNIX

Known Versions Affected: all with C\$SYSLOG

Description of problem or enhancement

The `APPNAME` parameter sent to `C$SYSLOG` with the `CSYSLOG-OPEN` command may be changed internally, resulting in garbled characters written in its place to the log.

ECN-4286: Spurious compiler error about SORT table key

Change Number: ECN-4286

Type of Change: Correction

Incidents: 2677097

RPI Number: 1092273

Product: ACUCOBOL-GT

Module: compiler

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: 8.0.0 to 9.2.2

Description of problem or enhancement

The compiler would issue a spurious error on a table `SORT` if the key was specified on a level greater than 01 and no key was specified with the `SORT` verb itself.

ECN-4287: Memory Access Violation when using a VT_DISPATCH method of an ActiveX control

Change Number: ECN-4287

Type of Change: Correction

Incidents: 2696624

RPI Number: 1094078
Product: ACUCOBOL-GT
Module: Run time
New Version: 9.2.3
Machines Affected: Windows
Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When using a VT_DISPATCH property of an ActiveX control that is used in a SCREEN SECTION, the run time would generate a Memory Access Violation.

ECN-4288: Thin client stops responding on call to C\$GETEVENTPARAM

Change Number: ECN-4288
Type of Change: Correction
Incidents: 2697259
RPI Number: 1094130
Product: ACUCOBOL-GT
Module: Run time, thin client
New Version: 9.2.3
Machines Affected: Windows
Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When closing a window or quitting an application, such as clicking the Close button on the top right of a window, a spurious ActiveX event may have generated, which the COBOL program would try to get information about. In that case, the run time or thin client would stop responding, accessing invalid memory.

ECN-4289: Run time fail when invoking too many ActiveX methods

Change Number: ECN-4289
Type of Change: Correction
Incidents: 2698043
RPI Number: 1094208
Product: ACUCOBOL-GT
Module: Run time
New Version: 9.2.3
Machines Affected: Windows only
Known Versions Affected: All

Description of problem or enhancement

When invoking ActiveX methods that raise exceptions, it was possible to cause a run time fail if too many exceptions were raised as a result.

ActiveX are stored exceptions in an array. If too many exceptions are raised without getting the exception info, too many exceptions may be stored. This can overwrite the array, causing a run time fail. When exceptions occur, C\$EXCEPINFO is called to remove that entry from the internal array.

If too many exceptions are stored, the run time now removes and loses the oldest exception before storing the new exception. This prevents the buffer overflow, but may cause loss of exception information.

ECN-4290: Hot-key changed value of grid cell

Change Number: ECN-4290

Type of Change: Correction

Incidents: 2685534

RPI Number: 1093117

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: 9.1.0 and later

Description of problem or enhancement

When pressing a key that calls a hot-key program while a grid is active, and the active cell is numeric, the cell value would change even if the hot-key program made no changes to the value. In particular, the value would be padded with 0 on the left (so 123 would become 000000123).

ECN-4291: 3-D list box with native look and feel was smaller than without

Change Number: ECN-4291

Type of Change: Correction

Incidents: 2588460

RPI Number: 1085835

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: Various

Description of problem or enhancement

When using a list-box control with the 3-D style and native look and feel (WIN32-NATIVECTLS set to TRUE), the list-box would be smaller than it was in previous versions. This would result in the last line of the control possibly being truncated.

ECN-4293: Run time fail on shutdown with IDISPATCH types in a control

Change Number: ECN-4293

Type of Change: Correction

Incidents: 2780389

RPI Number: 1094696

Product: ACUCOBOL-GT

Module: Run time

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: 9.2.0 and later

Description of problem or enhancement

When calling C\$GETEVENTDATA with a screen control for event includes IDISPATCH members, the run time would possible fail on shutdown.

AcuXDBC ECN List

This section includes the ECNs relating to AcuXDBC:

ECN-XD088: GROUP BY in a subquery causes error

Change Number: ECN-XD088

Type of Change: Correction

Incidents: None

RPI Number: 1092188

Product: AcuXDBC

Module: AcuXDBC, MFXDBC

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: All

Description of problem or enhancement

A query of SELECT * with a subquery containing a GROUP BY would cause the error Non aggregates require a GROUP BY expression. An example of this is:

```
select * from clients
where client_id in
    (select owner_id from pets
     group by owner_id having count(*) > 1
    ) ;
```

To resolve this issue, install the new acuxdbc04.dll.

ECN-XD089: SQLite returns NOTCAP: Driver Not Capable on data import

Change Number: ECN-XD089

Type of Change: Correction

Incidents: None

RPI Number: 1088451

Product: AcuXDBC

Module: AcuXDBC, MFXDBC

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: 9.1.2 and later

Description of problem or enhancement

SQLite returned an error of NOTCAP: Driver not Capable on a data import using the ADO Data source for ODBC to connect to the AcuXDBC driver.

The AcuXDBC driver contains extensions to support ODBC 3.0. This support added to version 9.1.2 by ECN-XD075.

SQLite expects a strict 2.5 ODBC driver and is unable to specify the level of conformance it requires. The driver now checks for a system level environment variable TOD_SQC_V3_COLS. This variable can have any value. If this variable is set, the ODBC 3.0 compliant column set is returned when requested. If the variable is not set, ODBC 2.5 a compliant column set is returned.

AcuXDBC only checks for the existence of this variable. To return 2.4 compliant columns, the variable should not exist in the environment. This variable should be set through the System Properties Environment Variables in the System variables list.

See ECN-XD075 for additional details on this issue.

SQLite also did not correctly support reading information from AcuXDBC and other databases such as DB2. Products have been updated to improve support. SQLite version 3.5.27 or later is required to support data import. If you are using linked tables in MSSQL Server, this variable should not be set. If you are using the MSSQL Import and Export Data tool, it should.

To help resolve this issue, install the new `acuxdbc.dll` or `mfxdbc.dll`. You also may need to install Visual C++ Redistributable for Visual Studio 2012.

ECN-XD090: Incorrect information retrieval when reading variable length records

Change Number: ECN-XD090

Type of Change: Correction

Incidents: None

RPI Number: 1092480

Product: AcuXDBC

Module: AcuXDBC

New Version: 9.2.3

Machines Affected: Windows

Known Versions Affected: All

Description of problem or enhancement

If AcuXDBC selected information from a file containing variable length records, information from the previous record may have been returned if the next record has a smaller length. To help resolve this issue, install the new `xvision.dll`.

ECN-XD091: Syntax error accessing WHEN directive subtables without owner

Change Number: ECN-XD091

Type of Change: Correction

Incidents: None

RPI Number: 1093192

Product: AcuXDBC

Module: AcuXDBC

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: All

Description of problem or enhancement

A file can use the `WHEN` directive with the `TABLENAME` clause to create sub-tables. If the XFD for this file is loaded into the database without an owner and uses the `IGNORE_OWNER` configuration option, a syntax error occurs when querying any of the sub-tables. To help resolve this issue, recreate the data dictionary using the new `xdbcutil.exe`.

ECN-XD092: INSERT/UPDATE/DELETE error: Cannot be performed on a VIE

Change Number: ECN-XD092

Type of Change: Correction

Incidents: None

RPI Number: 1093397

Product: AcuXDBC

Module: AcuXDBC

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: 9.2.0

Description of problem or enhancement

Modifying a `VIEW` was previously disallowed due to an error with multi-record format tables. This feature has been restored. To use this feature, load the new driver. You may also need to install Visual C++ Redistributable for Visual Studio 2012.

ECN-XD093: xdbcquery fails when a key contains more than 16 columns

Change Number: ECN-XD093

Type of Change: Correction

Incidents: None

RPI Number: 603500

Product: AcuXDBC

Module: AcuXDBC

New Version: 9.2.3

Machines Affected: All

Known Versions Affected: All

Description of problem or enhancement

The xdbcquery program fails when a key contains more than 16 columns. To help resolve this issue, load the new `xdbcutil.exe` and reload the system catalog.

You could also work around the issue by applying the USE GROUP directive to reduce the number of columns in your key to less than 16.

Updates and SupportLine

Our Web site gives up-to-date details of contact numbers and addresses.

Further Information and Product Support

Additional technical information or advice is available from several sources.

The product support pages contain a considerable amount of additional information, such as:

- The WebSync service, where you can download fixes and documentation updates.
- The Knowledge Base, a large collection of product tips and workarounds.
- Examples and Utilities, including demos and additional product documentation.

To connect, enter <http://www.microfocus.com> in your browser to go to the Micro Focus home page.



Note: Some information may be available only to customers who have maintenance agreements.

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Information We Need

However you contact us, please try to include the information below, if you have it. The more information you can give, the better Micro Focus SupportLine can help you. But if you don't know all the answers, or you think some are irrelevant to your problem, please give whatever information you have.

- The name and version number of all products that you think might be causing a problem.
- Your computer make and model.
- Your operating system version number and details of any networking software you are using.
- The amount of memory in your computer.
- The relevant page reference or section in the documentation.
- Your serial number. To find out these numbers, look .

Alternatively, you might be asked to provide a log file created by the Consolidated Tracing Facility (CTF) - a tracing infrastructure that enables you to quickly and easily produce diagnostic information detailing the operation of a number of Micro Focus software components.

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