



**extend 9.1.2**

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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 positioned in the lower half of the page, partially overlapping the "Release Notes" text.

**Release Notes**

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# Contents

<b>extend Release notes</b>	<b>4</b>
<b>extend System Requirements</b>	<b>5</b>
<b>extend Installation Release Notes</b>	<b>6</b>
<b>What's New</b>	<b>7</b>
Acu XDBC enhancements	7
Enhanced date boundary handling	7
Improved performance on queries containing ORDER BY DESC with key fields	7
Improved support for ODBC version 3 drivers	8
AcuXDBC can be started as a service	8
ACUCOBOL-GT enhancements	9
Support -D -F and -P file types in ACUFH	9
Ability to select case of table name in XML output file	9
Enhance ms_inst.cmd to work with MSSQL 2012	10
Closing a MSSQL cursor that is already closed gives an MSSQL error	10
<b>Known Issues</b>	<b>11</b>
<b>Resolved Issues</b>	<b>12</b>
AcuBench ECN List	12
ACUCOBOL-GT ECN List	19
Acu4GL ECN List	34
AcuConnect ECN List	39
AcuSQL ECN List	41
<b>Updates and SupportLine</b>	<b>44</b>
Further Information and Product Support	44
Information We Need	44

# 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.



**Note:** This document contains a number of links to external web sites. Micro Focus cannot be responsible for the contents of the website or for the contents of any site to which it might link. Web sites by their nature can change very rapidly and although we try to keep our links up-to-date, we cannot guarantee that they will always work as expected.

# extend System Requirements

For system requirement, 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:

- AcuBench is updated to be version 9.1.2 - see the AcuBench ECNs for resolved issues
- Support MSSQL 2012
- Support Windows 8 (Metro UI is not supported by the existing set of Graphical controls)
- Support for SPARC running Solaris 11 (32 bit and 64 bit)

## Acu XDBC enhancements

You may notice performance improvements in 9.1.2 Acu XDBC especially with outer joins. For example, a six table join using left outer joins went from "a very long time" to under .3 seconds. Also, optimizing queries where there are no indexes on the predicate columns has been improved. Failure records are rejected much sooner in the processing.

## Enhanced date boundary handling

Configuration variables now exist in XDBC to handle conditions where date values do not contain valid dates. These variable cover the situations where a date field contains HIGH-VALUES, LOW-VALUES, all nines, all zeros, or an invalid date. You are able to specify a date value for each of these conditions in your XDBC configuration file. The date formats are specified in the format: YYYYMMDDHHmmsshh (Year/Month/Day/Hour/Minue/Second/Hundredths) as per the FORMAT specified for dates in XFD directives. Any missing information will default to its lowest possible value.

When translating a DATETIME to COBOL, if the DATETIME is the value of the DATE\_NINE\_VALUE, HIGH-VALUES or all 9 will be written to the COBOL data depending on the setting of the DATE\_MAX\_HIGH\_VALUES configuration variable. When translating a DATETIME to COBOL, if the DATETIME is the value of the DATE\_ZERO\_VALUE, LOW-VALUES or all 0 will be written to the COBOL data depending on the setting of the DATE\_MIN\_LOW\_VALUES configuration variable. When translating COBOL data to a DATETIME, if the COBOL data converts to the value of the DATE\_NULL\_VALUE, then NULL is returned to the SQL application. When translating a DATETIME to COBOL, if the DATETIME is SQL NULL, the value of the DATE\_NULL\_VALUE will be written to the COBOL data.

Change Number: ECN-XD073

Incidents: None

RPI Number: None

Product: AcuXDBC Module: AcuXDBC New Version: 9.1.2

Machines Affected: All

Known Versions Affected: None

## Improved performance on queries containing ORDER BY DESC with key fields

Queries that have a descending ORDER BY clause on key fields now make better use of descending indexes on the COBOL data file instead of doing internal sorts.

Change Number: ECN-XD074

Incidents: None

RPI Number: 1083027

Product: AcuXDBC

Module: MFXDBC

New Version: 9.1.2

Machines Affected: All

Known Versions Affected: All

## Improved support for ODBC version 3 drivers

AcuXDBC is an ODBC 1.5 compliant driver. Extensions have been added to the driver to better support applications that make calls using functions from the 3.0 and 3.5 ODBC specification.

This will address issues such as the Microsoft SQL Server 2008 Import and Export data wizard and 3rd party SQL tools. Previously these tools would return an error similar to "Driver not capable", or "Cannot find column -1".

Change Number: ECN-XD075

Incidents: None

RPI Number: 1082417, 1077750

Product: AcuXDBC

Module: MFXDBC

New Version: 9.1.2

Machines Affected: All

Known Versions Affected: All

## AcuXDBC can be started as a service

AcuXDBC can now be installed as a service to run on any port.

For example, AcuXDBC can be installed with the command: `acuxdbc -install -n 20999`

The newly installed service will show up under Administrative Tools, Services with a name something like "AcuXDBC Service 9.1.2 on port 20999". `acuxdbc.bat` has been replaced with `acuxdbc.exe` on Windows. Executin `acuxdbc` provides this information:

AcuXDBCS -help

AcuXDBCS -info [-n port] [server

AcuXDBCS -install [-n port] [-1]

AcuXDBCS -kill [-n port] [server]

AcuXDBCS -remove [-n port]

AcuXDBCS -start [-n port] [-]

AcuXDBCS -version

AcuXDBCS -debug <params> to run as a console app for debugging

The newly installed service can be started or stopped from the Services dialog Window. Please note that ... If you kill AcuXDBC server from the command line, that is a different process and the Administrative Tools, Services has no way to detect this. When you start the service from the Administrative Tools, Services, it creates a process to run the server and detaches from the process. From the Administrative Tools,



Services you can kill the process since it maintains the parameters and sends them out to kill the server if it is still running.

Change Number: ECN-XD078

Incidents: None

RPI Number: 1082873

Product: AcuXDBC

Module: AcuXDBC

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: All

## ACUCOBOL-GT enhancements

This section includes the enhancements related to ACUCOBOL-GT.

### Support -D -F and -P file types in ACUFH

This enhancement implements the -D, -F, and -P file types described in section 2.9.1 of the ACUCOBOL-GT User's Guide

Change Number: ECN-4148

Incidents: 2553441

RPI Number: 1082470

Product: ACUCOBOL-GT

Module: ACUFH

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all

### Ability to select case of table name in XML output file

This enhancement adds the ability to select a different case for the top level table element name in an output XML file. Previously this name was always in all capital letters.

Change Number: ECN-4157

Incidents: 2492427

RPI Number: 1077486

Product: ACUCOBOL-GT

Module: AcuXML, compiler

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all

## Enhance ms\_inst.cmd to work with MSSQL 2012

Microsoft SQL Server 2012 no longer supports the older syntax of the raiserror function. The ms\_inst.cmd file has been modified to generate the newer syntax.

Change Number: ECN-GL508

Incidents: None

RPI Number: None

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

## Closing a MSSQL cursor that is already closed gives an MSSQL error

Closing a cursor that is already closed will return the MSSQL error "Invalid cursor state".

The MSSQL API is an ODBC 3.x interface. The ODBC standard indicates that when SQLCloseCursor is called when no cursor is open, SQLSTATE 24000, "Invalid cursor state" should be returned.

The AcuSQL interface for MSSQL has been modified such that if EXEC SQL CLOSE CURSOR is called on a cursor that is already closed, no error will be returned.

Change Number: ECN-SQL142

Incidents: None

RPI Number: 1083567

Product: AcuSQL

Module: asqlsrvr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: All

# Known Issues

This section provides important information that may impact your use of the extend product line.

## **AcuBench Version and License Expansion**

extend 9.1.1 contains AcuBench 9.0.1. You must expand the AcuBench license code and key with a 9.0.1 activator. For this release, there is a 9.0.1 activator included in the AcuBench directory.

## **Documentation Version**

extend 9.1.1 contains extend 9.0.1 documentation.

## ***SHARED\_LIBRARY\_EXTENSION* default value change**

The default value of the *SHARED\_LIBRARY\_EXTENSION* configuration value has been changed to match the standard value for the host system.

The old default value was fixed as `.so`. Some systems use a different shared library extension. The new default value will match the extension used on the shared libraries in the lib directory.

You may need to update the value of the *SHARED\_LIBRARY\_EXTENSION* configuration variable if you were relying on it always being set to `.so`.

## **.NET controls with the runtime and thin client.**

Use of .NET controls with the runtime and thin client requires .NET Framework 4.0.

## **Viewing documentation in newer browsers**

When viewing extend documentation from Internet Explorer 8 or higher, it is best to run the browser in compatibility mode. In non-compatibility mode help pages with numbered lists will appear with the same number for all items in the list. This behavior may also occur with Google's Chrome, which does not have a compatibility mode.

# Resolved Issues

The following are resolved issues for the extend products.

## AcuBench ECN List

This section includes the ECNs relating to AcuBench:

### **ECN-WB893: Right clicking anywhere on the status bar of AcuBench causes a MAV.**

Type of Change: Correction

Incidents: 1078244

RPI Number: None

Module: AcuBench.exe

Machines Affected: Windows machines running Acubench

Known Versions Affected: 9.0 and later

#### **Description of problem or enhancement**

Right clicking anywhere on the status bar of AcuBench causes a MAV.

### **ECN-WB901: HP compatibility -\$IF and -\$SET passed incorrectly**

Change Number: ECN-WB901

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2499183

RPI Number: 1078010

Date: 2011-08-09

Product: AcuBench

Module: acubench

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

#### **Description of problem or enhancement**

When using the -\$IF or -\$SET options of HP compatibility, AcuBench would quote the arguments, contrary to what the compiler was expecting.

## **ECN-WB902: Setting the code Editor option for using LF causes extra blank lines**

Change Number: ECN-WB902

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2532847

RPI Number: (#1080749)

Date: 2011-08-25

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 8.1.2. and later

### **Description of problem or enhancement**

When using the Code Editor option to use LF as the line terminator for files, the code editor would insert a blank line after every line in the file.

## **ECN-WB903: AcuBench fails to add the VALUE-FORMAT phrase to date controls**

Change Number: ECN-WB903

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2546820

RPI Number: 1082065

Date: 2012-01-04

Product: AcuBench

Module: AcuBench.exe

New Version: 9.1.1

Machines Affected: Windows

Known Versions Affected: 9.0.0 and later

### **Description of problem or enhancement**

When using the default format of YYYYMMDD, AcuBench would not add the VALUE-FORMAT phrase to a date control item.

## ECN-WB904: XFD generation reportedly succeeds

Change Number: ECN-WB904

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2559267

RPI Number: 1082984

Date: 2012-02-27

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### Description of problem or enhancement

When AcuBench was asked to generate an XFD for a DLT, it could fail while reporting success. This normally happened in a few known cases:

1. The compiler did not have permission to write an xfd file (or an object file)
2. The directory that was intended to hold the xfd file had spaces in the name (such as C:\Program Files \...)

## ECN-WB905: Code generation creates bad code

Change Number: ECN-WB905

Status: Complete

Type of Change: Correction

Priority: High

Incidents: 2528068

RPI Number: 1081044

Date: 2012-03-02

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: Unknown

### Description of problem or enhancement

When generating code that has a long variable name and a long PICTURE string that includes commas (,), the code generated could wrap at a comma in the PICTURE string, instead of at a space, resulting in code that could not be compiled.

## **ECN-WB906: XFD version selection was faulty**

Change Number: ECN-WB906

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2426505

RPI Number: 1072715

Date: 2012-03-16

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: 8.0 and later

### **Description of problem or enhancement**

Attempting to create version 5 XFDs was not possible. In general, the XFD version setting, along with generating XFD files for all file types, was wrong and has been corrected.

## **ECN-WB907: Generating FD with key as part of a REDEFINES**

Change Number: ECN-WB907

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2540129

RPI Number: 1081319

Date: 2012-03-20

Product: AcuBench

Module: Jurassic.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

AcuBench did not track the location of REDEFINED data correctly, and if a key was part of a REDEFINED area, AcuBench might think that the key was outside the area of the smallest record, and report an error.

## **ECN-WB908: Tables not showin up in design of Reports with Report Writer**

Change Number: ECN-WB908

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2567907

RPI Number: 1083686

Date: 2012-04-09

Product: AcuBench

Module: AcuBench.exe

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: 9.1.0 and later

### **Description of problem or enhancement**

When creating a report with the Report Writer, and trying to insert a table into the report, the table would not show in the design, making it impossible to actually set up the table.

## **ECN-WB909: AcuBench crashes if "Force Variable Check on Load" is set**

Change Number: ECN-WB909

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2569734

RPI Number: 1083890

Date: 2012-04-27

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: All

### **Description of problem or enhancement**

If the Tools->Options setting for Force Variable Check on Load was set, and there were PIC X(n) items that needed to be created, then AcuBench could crash when a project was loaded.



## **ECN-WB910: Missing compatibility options**

Change Number: ECN-WB910

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2550003

RPI Number: 1082181

Date: 2012-04-27

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: 8.1 and later

### **Description of problem or enhancement**

Some compatibility options were missing from the AcuBench settings dialog:

C81

C90

Z81

Z90

## **ECN-WB911: Remove duplicated files, rely on ACUCOBOL-GT installation**

Change Number: ECN-WB911

Status: Complete

Type of Change: Enhancement

Priority: Medium

Incidents: None

RPI Number: None

Date: 2012-05-21

Product: AcuBench

Module: acubench.exe

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

AcuBench relies on some files from an ACUCOBOL-GT installation, but does so by installing those files itself, rather than using those files from that installation. As a result, the files could get out of sync. In

particular, if new dependencies were added to some files, we might not notice the error until late in the dev cycle. This changes removes the possibility of error, and reduces disk space usage.

## **ECN-WB912: AcuBench memory leak**

Change Number: ECN-WB912

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2547613

RPI Number: 1081940

Date: 2012-06-06

Product: AcuBench

Module: AcuBench

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

AcuBench was not freeing a small amount of memory that it used. After extensive use, it could deplete available memory and halt. See ECN-4169.

## **ECN-WB913: Vutil unload tab destination does not show full file name**

Change Number: ECN-WB913

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2564177

RPI Number: 1083367

Date: 2012-06-13

Product: AcuBench

Module: WVutil.exe

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

When entering a long file name into the destination file entry field of WVutil (Unload tab), the full name would not show, even when you activated that entry field.

## ACUCOBOL-GT ECN List

This section includes the ECNs relating to ACUCOBOL-GT:

### **ECN-4147: Slowdown when using ZIP compression with C\$COPY**

Change Number: ECN-4147

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2481404

RPI Number: 1076799

Date: 2012-01-24

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All

#### **Description of problem or enhancement**

When using ZIP compression over a fast network with C\$COPY, the process would slow down significantly, sometimes being slower than using no compression at all.

### **ECN-4149: Exception not returned by CJAVA-GETEXCEPTIONOBJECT**

Change Number: ECN-4149

Status: Complete

Type of Change: Correction

Priority: Low

Incidents 2553413:

RPI Number: 1082768

Date: 2012-02-03

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all

### **Description of problem or enhancement**

An exception generated by a call to C\$JAVA was improperly cleared before it could be retrieved by another call using CJAVA-GETEXCEPTIONOBJECT.

## **ECN-4150: Runtime fails to report correct user**

Change Number: ECN-4150

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2535179

RPI Number: 1080931

Date: 2012-02-06

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: UNIX

Known Version Affected: 7.0.0 and later

### **Description of problem or enhancement**

The runtime could fail to report the correct user name, terminal name, or effective user name, if it attempted to get that information multiple times.

## **ECN-4151: Function NUMVAL\_C fails to honor DECIMAL POINT IS COMMA**

Change Number: ECN-4151

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2553414

RPI Number: 1082518

Date: 2012-02-06

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 8.1.0 and later

### **Description of problem or enhancement**

When using the NUVAL or NUMVAL\_C function in a program with the DECIMAL IS COMMA special names setting, a number with both a comma and a period would fail to convert correctly.

## **ECN-4152: C\$PARAMSIZE fails with parameters passed to entry points**

Change Number: ECN-4152

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2556485

RPI Number: 1082728

Date: 2012-02-07

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 9.0.0 and later

### **Description of problem or enhancement**

When a program uses entry points, and the linkage items are not all passed to all entry points, C\$PARAMSIZE would fail to return information about the right parameter.

## **ECN-4153: Monitor variables in programs with PROGRAM-ID longer than 10 characters**

Change Number: ECN-4153

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2459366

RPI Number: 1074910

Date: 2012-02-08

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 8.0.0 and later

### **Description of problem or enhancement**

When debugging a program with a PROGRAM-ID longer than 11 characters, and attempting to monitor a variable in that program, the debugger would not be able to set the monitor again if the program was cancelled and called again.

## **ECN-4154: Native code execution failure due to protected memory (UNIX)**

Change Number: ECN-4154

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: N/A

RPI Number: 587769

Date: 2012-02-10

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: all UNIX

Known Version Affected: all

### **Description of problem or enhancement**

Some UNIX operating systems prevent execution of allocated memory as a security measure. This security prevented the runtime from running objects compiled for native code. This ECN allows the selection of another method of allocating memory for native code objects so that it may be executed.

## **ECN-4155: Use strcasecmp() and strncasecmp() on UNIX when available**

Change Number: ECN-4155

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2547263

RPI Number: 1082414

Date: 2012-02-27

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: all UNIX without stricmp() and with strcasecmp()

Known Version Affected: all

### **Description of problem or enhancement**

For better performance, use strcasecmp() and strncasecmp() when available on systems that do not provide stricmp() and strnicmp(). Previously a homegrown version of these functions would be used resulting in less than optimal performance.

## **ECN-4158: Paged Grid error 46 and incorrect results via thin-client**

Change Number: ECN-4158

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2545181

RPI Number: 1081993

Date: 2012-03-27

Product: ACUCOBOL-GT

Module: runtime, acuthin

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All version after 6.1.0

### **Description of problem or enhancement**

When using the Thin Client with a Paged Grid there are some cases where you could get either an error 46 (No Current Record) error or incorrect results showing in the Paged Grid. Most commonly it happens when you try to go past the beginning or end of the Paged Grid then go in the opposite direction. For example, if you start the application and you press the following buttons:

Next

Previous

Previous

You will probably get error 46.

Also if you press the following buttons:

Page Next (until you reach the end of the data)

Previous

You will probably see incorrect results at the top of the grid.

## **ECN-4159: Acuthin can freeze in debugger**

Change Number: ECN-4159

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2556745

RPI Number: 1083245, 1083247

Date: 2012-04-02

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All

#### **Description of problem or enhancement**

At times, when running a COBOL in debug, the runtime could request a property of a control, and while waiting the thin client could fire an event. This might put the runtime into a bad state, causing everything to freeze.

At other times, it is possible to get into a state that is not possible with the desktop runtime. For example, consider the following scenario:

ProgramA calls ProgramB

While querying some property of the screen or of a control, the user generates an event (mouse click, for example), which causes ProgramA to be activated. And while executing the event procedure code, ProgramB gets called again (recursively).

We are now in a state that is not possible with the desktop runtime, and which is causing the problems we are seeing.

## **ECN-4160: C\$REDIRECT handler failed to restore record length properly**

Change Number: ECN-4160

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2564016

RPI Number: 1083594

Date: 2012-04-04

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all

#### **Description of problem or enhancement**

Calling an I/O handler, registered with C\$REDIRECT, could cause the record length parameter to become invalid for sequential file types and the WRITE and REWRITE verbs. This could cause subsequent file operations to use an incorrect record length.

## **ECN-4161: Error when setting grid row color pattern in grid control**

Change Number: ECN-4161

Status: Complete



Type of Change: Correction

Priority: Low

Incidents: 2559688

RPI Number: 1083574

Date: 2012-04-06

Product: ACUCOBOL-GT

Module: runtime, acuthin

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all versions

### **Description of problem or enhancement**

When using the grid control and setting the row color pattern you could get an error that says something like:

ACUCOBOL-GT has encountered a problem and needs to close. We are sorry for the inconvenience.

or you could get incorrect results or colors in the grid rows. This can happen when using the following phrase when modifying a grid control:

ROW-COLOR-PATTERN

For example:

ROW-COLOR-PATTERN(256,513)

ROW-COLOR-PATTERN(256,513,256,513,256,513,256,513,256,513)

## **ECN-4162: Thin client crash on shutdown with native controls**

Change Number: ECN-4162

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: None

RPI Number: None

Date: 2012-04-14

Product: ACUCOBOL-GT

Module: atermmgr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.0 and later

### **Description of problem or enhancement**

When using native controls (WIN32-NATIVECTLS set to TRUE) with the thin client, it could happen that the thin client would crash when it was shutting down.

## **ECN-4163: HOT-KEY gives memory access violation from grid using Thin Client**

Change Number: ECN-4163

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2566228

RPI Number: 1083877

Date: 2012-04-23

Product: ACUCOBOL-GT

Module: runtime, acuthin

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All versions

### **Description of problem or enhancement**

When using the Thin Client and your focus is on a cell of a grid and you press a hot-key to call another program, when the called program is closed you could get a memory access violation.

## **ECN-4164: COBOL-TRIGGER fails to run when XFD files are not xml**

Change Number: ECN-4164

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2569943

RPI Number: 1083882

Date: 2012-04-24

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All

### **Description of problem or enhancement**

When XFD files are generated using the -Fe switch (flat files rather than XML files), the COBOL-TRIGGER directive failed to call the COBOL program set up as the trigger.

## **ECN-4165: RMNet does not work with SSL (HTTPS) on Windows**

Change Number: ECN-4165

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2568875

RPI Number: 1083827

Date: 2012-04-25

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All Windows

Known Version Affected: All

### **Description of problem or enhancement**

When running a COBOL program with RMNet on Windows you could get an error that says something like:

Error

XMLSetVersion: Program missing or inaccessible

COBOL error at 00000F in program

This is because RMNet was not built with the correct settings on Windows.

## **ECN-4166: Entry field text truncated**

Change Number: ECN-4166

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2568570

RPI Number: 1084048

Date: 2012-05-09

Product: ACUCOBOL-GT

Module: runcbl

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All

### **Description of problem or enhancement**

If the value data item for an entry field was large (> 32768 bytes), then when accepting data from the entry field, that value might be truncated, depending on the actual size of the data item.

## **ECN-4167: Runtime crash with layout manager**

Change Number: ECN-4167

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2560690

RPI Number: 1083402

Date: 2012-05-15

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: Unknown

### **Description of problem or enhancement**

At times, the thin client would try to destroy a control that is already destroyed, usually as a result of resizing the screen.

## **ECN-4168: When resizing a screen programmatically some labels could be duplicated**

Change Number: ECN-4168

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2560690

RPI Number: 1083399

Date: 2012-05-17

Product: ACUCOBOL-GT

Module: runtime, acuthin

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

When using the RESIZE layout manager, and programmatically change the size of the screen, labels that move may not get repainted, leaving the old label as well as the new in place. Note that minimizing the window and restoring it will cause the window to show correctly.

## **ECN-4169: Compiler memory leak when used with AcuBench**

Change Number: ECN-4169

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2547613

RPI Number: 1081940

Date: 2012-06-06

Product: ACUCOBOL-GT

Module: Compiler

New Version: 9.1.2

Machines Affected: All

Known Version Affected: All

### **Description of problem or enhancement**

When the compiler is used from within AcuBench (to get variable lists, paragraph lists, etc.) it would leak memory. After a while, AcuBench would not have enough memory to function, and would halt.

## **ECN-4170: When compiling with --netdll the .NETModule file was removed**

Change Number: ECN-4170

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2573009

RPI Number: 1084131

Date: 2012-06-14

Product: ACUCOBOL-GT

Module: compiler

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.1.1

### **Description of problem or enhancement**

When compiling with the --netdll option, 4 files are supposed to be created; .acu, .dll, .NETModule, and \_CVM.dll. The third file was deleted by the compiler after creation.

## **ECN-4171: --netdll fails**

Change Number: ECN-4171

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2579908

RPI Number: 1084739

Date: 2012-06-26

Product: ACUCOBOL-GT

Module: compiler

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.1.1

### **Description of problem or enhancement**

Some COBOL types generate code that would fail to compile when --netdll or similar option was used.

## **ECN-4172: Java Native Interface may fail to return modified arrays**

Change Number: ECN-4172

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2544500

RPI Number: 1083985

Date: 2012-06-27

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: all

Known Version Affected: all

### **Description of problem or enhancement**

Arrays passed as linkage items and modified within a COBOL program invoked by the Java Native Interface may not have their modified values returned to the calling Java program. If the first byte of the array was zero, the changes to the array would be lost.

## **ECN-4173: Some controls could not display Japanese characters**

Change Number: ECN-4173

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2578685

RPI Number: 1084586

Date: 2012-07-11

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: All known

Description of problem or enhancement:

When using multi-byte characters, some controls would not display those characters correctly. In particular, frames and list boxes would not display Japanese characters correctly when running a Japanese version of Windows (the only way these characters could be displayed).

Instructions for use:

There is a new configuration option, WIN32\_WIDE\_CHARS which when set to 1 (or ON or TRUE) will cause the runtime to translate the data sent to these controls into wide characters before displaying the text.

The default value is 0 (OFF, FALSE)

## **ECN-4174: HOT KEY in grid issues**

Change Number: ECN-4174

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2582068

RPI Number: 1084950

Date: 2012-07-11

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 9.1.0 and later

Description of problem or enhancement:

There were a couple of problems with ECN-4058, which allows grid controls to support hot-key programs in the same way as other controls.

First, there was a memory buffer overflow if the text returned from the hot-key program was shorter than the text in the cell.

Next, even if the value of the grid cell did not change, the runtime sent a MSG-BEGIN-ENTRY event to the COBOL program. This was considered unnecessary.

Finally, the runtime was allocating huge buffers unnecessarily.

## **ECN-4175: NUM-ROW-HEADINGS has issues when greater than 1**

Change Number: ECN-4175

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2546780

RPI Number: 1081878

Date: 2012-07-13

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 8.1.0 and later

Description of problem or enhancement:

When the new feature of NUM-ROW-HEADINGS was used, and the number of row headings was > 1, some strange behaviour resulted when attempting to resize columns:

- When resizing one of the row heading columns, sometimes multiple columns were resized instead of just one.
- The cursor shape would be the resize shape when it should be a normal shape.

## **ECN-4176: C\$PARAMSIZE returns wrong value**

Change Number: ECN-4176

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2580158

RPI Number: 1084750

Date: 2012-07-16

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2



Machines Affected: All

Known Version Affected: 9.0.0 and later

Description of problem or enhancement:

When using C\$PARAMSIZE on a parameter passed as reference modified, the original size would be returned, not the reference-modified size.

C\$PARAMSIE walks the chain of programs being called, until it finds one in which the parameter in question is working-storage. It will return the minimum size of all values on the stack. This should always give you the available space you can use for that parameter.

## **ECN-4177: Thread fails to start in thin client**

Change Number: ECN-4177

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2578912

RPI Number: 1084588

Date: 2012-07-18

Product: ACUCOBOL-GT

Module: runtime

New Version: 9.1.2

Machines Affected: All

Known Versions Affected: 8.1.0 and later

Description of problem or enhancement:

Randomly, a thread would not actually start when running under thin client.

## **ECN-4178: Acuthin fails to halt in certain situations on 64bit windows**

Change Number: ECN-4178

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2576433

RPI Number: 1084449

Date: 2012-07-23

Product: ACUCOBOL-GT

Module: acuthin, wrun32

New Version: 9.1.2

Machines Affected: Windows

Known Versions Affected: All

Description of problem or enhancement:

When a STOP RUN was executed from an event procedure, acuthin would fail to shut down cleanly, continuing to use machine resources.

## **ECN-4183: AcuXML MAV**

Change Number: ECN-4183

Status: Complete

Type of Change: Correction

Priority: High

Incidents: None

RPI Number: 591967

Date: 2012-08-07

Product: AcuXML

Module: xml interface

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 9.1.1

Description of problem or enhancement:

When reading the second record of an XML data file, AcuXML would raise a MAV, shutting down the runtime.

As well, the xml12fd utility would fail when it was reading records to decide how to generate the FD.

## **Acu4GL ECN List**

This section includes the ECNs relating to Acu4GL:

### **ECN-GL501: Fail to get DATE TIME or TIMESTAMP data**

Change Number: ECN-GL501

Status: Complete

Type of Change: Correction

Priority: High

Incidents: 2559272

RPI Number: 1082992

Date: 2012-02-16

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.1.0 and later

### **Description of problem or enhancement**

If a table used any of the types DATE, TIME, or TIMESTAMP, the interface would fail to get the data on any type of READ.

## **ECN-GL502: NULL date causes a MAV**

Change Number: ECN-GL502

Status: Complete

Type of Change: Correction

Priority: High

Incidents: None

RPI Number: None

Date: 2012-02-22

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.1.0 and later

### **Description of problem or enhancement**

When reading NULL dates, the SQL Server interface would cause the runtime to MAV.

## **ECN-GL503: Fail to write a date without all date parts**

Change Number: ECN-GL503

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2557085

RPI Number: 1082903

Date: 2012-02-27

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 8.0.0 and later

### **Description of problem or enhancement**

If a date format did not include all of YEAR, MONTH and DAY (in some way), rewriting a date could fail, because the interface would set the missing parts to 0, which could cause an invalid date sent to the database.

## **ECN-GL504: Memory leak when using the extra where constraint**

Change Number: ECN-GL504

Status: Complete

Type of Change: Correction

Priority: High

Incidents: 2557821

RPI Number: 1082918

Date: 2012-03-06

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 8.0.0 and later

### **Description of problem or enhancement**

When using the extra WHERE constraint with SQL Server, the interface would allocate memory for that WHERE constraint for every dynamic READ and for every START, sometimes losing the pointer to the existing value.

## **ECN-GL505: numeric WHEN condition incorrectly evaluated**

Change Number: ECN-GL505

Status: Complete

Type of Change: Correction

Priority: High

Incidents: None

RPI Number: 1083313

Date: 2012-03-26

Product: Acu4GL

Module: All

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 9.1.0 and later

### **Description of problem or enhancement**

If a program contains numeric when conditions where the one condition contains all the numbers of another condition such as "2" and "20", the condition may be returned as true.

## **ECN-GL506: RENAME function fails with SQL Server when multiple tables**

Change Number: ECN-GL506

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2573665

RPI Number: 1084203

Date: 2012-05-21

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 8.0.0 and later

### **Description of problem or enhancement**

When a table is large enough to require secondary tables, the RENAME function would return an error.

## **ECN-GL507: Fail to lock record when using a Vision lock file**

Change Number: ECN-GL507

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2571432

RPI Number: 1084013

Date: 2012-05-25

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.0 and later

### **Description of problem or enhancement**

When using a Vision lock file, record locks were ignored, allowing users to read and update records in the table that should have been locked by someone else.

## **ECN-GL509: SQL Server fails to use LOW-VALUE date on START**

Change Number: ECN-GL509

Status: Complete

Type of Change: Correction

Priority: High

Incidents: 2574370

RPI Number: 1084280

Date: 2012-06-03

Product: Acu4GL

Module: MSSQL

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.0 and later

### **Description of problem or enhancement**

When a key used a DATE field, and a COBOL program attempted to START on that key, and that date had low-values in i, the interface would fail to use the date, and would instead use random data on the START. This random data would rarely be a valid date, causing the interface to show an error 22007.

## **ECN-GL510: Support for Acu4GL/DB2 ON 64-BITLinux PowerPc**

Change Number: ECN-GL510

Status: Complete

Type of Change: Correction

Priority: High

Incidents: None

RPI Number: 1084478

Date: 2012-06-25

Product: Acu4GL

Module: DB2

New Version: 9.1.2

Machines Affected: Linux PPC and other Unix

Known Version Affected: All

### **Description of problem or enhancement**

Acu4GL/DB2 on the Linux PowerPC platform would receive errors when attempting to communicate with the database. For example an error 9D, 268568816 might be returned on the initial access.

## AcuConnect ECN List

This section includes the ECNs relating to AcuConnect:

### **ECN-AC093: Socket negotiation failure**

Change Number: ECN-AC093

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: None

RPI Number: None

Date: 2012-03-19

Product: AcuConnect

Module: acme.dll

New Version: 9.1.2

Machines Affected: All

Known Version Affected: 7.0.0 and later

#### **Description of problem or enhancement**

For unknown reasons, sometimes the thin client would get out of sync with acurcl or the runtime, causing one or the other of them to spin, consuming large amounts of CPU time.

This ECN is an attempt to detect when the two executables are no longer in sync, and to close the socket between them when this happens, thus allowing everything to shut down cleanly without affecting other users.

### **ECN-AC094: Cannot display the entire version number in the control panel**

Change Number: ECN-AC094

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2575056

RPI Number: 1084358

Date: 2012-06-16

Product: AcuConnect

Module: srvmgmt.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

When querying the remote server with the INFO tab of the server control applet, the entry field for the version is disabled, meaning that if there are patches, the entire version may not be displayed, and there is no way to see the entire version.

The entry field is now read-only, enabled. This allows you to activate the entry field and scroll through it to see the entire version.

## **ECN-AC095: Finding the HELP file AcuRCL control panel**

Change Number: ECN-AC095

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: 2574026

RPI Number: 1084191

Date: 2012-06-17

Product: AcuConnect

Module: srvmgmt.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

### **Description of problem or enhancement**

The HTML help file that AcuRCL attempted to open had been renamed, causing the Help button to not work and to display an error message.

## **ECN-AC096: AcuConnect control panel does not understand --a2n runtime option**

Change Number: ECN-AC096

Status: Complete

Type of Change: Correction

Priority: Low

Incidents: None

RPI Number: 583692

Date: 2012-07-16

Product: AcuConnect

Module: acurcl.exe

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.0 and later



Description of problem or enhancement:

If you attempted to create an alias with the --a2n runtime option (which causes the runtime to use old-style .net support), the alias would not be written correctly, nor redisplayed correctly.

## AcuSQL ECN List

This section includes the ECNs relating to AcuSQL:

### **ECN-SQL138: Unable to get results from multiple cursors**

Change Number: ECN-SQL138

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents: 2546868

RPI Number: 1082640

Date: 2012-01-27

Product: AcuSQL

Module: asqlsrvr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

#### **Description of problem or enhancement**

When executing a SELECT using dynamic SQL (using EXEC SQL PREPARE), the interface did not know to treat the SQL like a cursor, and so other statements on the same connection would fail with the error "Connection is busy with results for another hstmt".

### **ECN-SQL139: Invalid cursor state when reusing a cursor with ASQL\_BUFFER\_SIZE**

Change Number: ECN-SQL139

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents:

RPI Number: 1083272

Date: 2012-03-12

Product: AcuSQL

Module: asqlsrvr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: All

**Description of problem or enhancement**

When executing a SELECT for a second time on a cursor that had ASQL\_BUFFER\_SIZE set the error Invalid cursor state could be returned if all the records from the previous selected buffer had not been fetched.

## **ECN-SQL140: Duplicate cursor name**

Change Number: ECN-SQL140

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents:

RPI Number: 1084080

Date: 2012-05-23

Product: AcuSQL

Module: asqlsrvr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.1.1312b, 9.1.1

**Description of problem or enhancement**

Attempts to use the same cursor name in two different programs for dynamic SQL statements could result in the error message "Duplicate cursor name".

## **ECN-SQL141: Update/Delete through cursor gives cursor does not exist**

Change Number: ECN-SQL141

Status: Complete

Type of Change: Correction

Priority: Medium

Incidents:

RPI Number: 1083400

Date: 2012-05-23

Product: AcuSQL

Module: asqlsrvr.dll

New Version: 9.1.2

Machines Affected: Windows

Known Version Affected: 9.0.1.1312b, 9.1.1

**Description of problem or enhancement**

Performing an UPDATE or DELETE with the WHERE CURRENT OF cursor name syntax results in the error "cursor does not exist".

# 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.

If you obtained this product directly from Micro Focus, contact us as described on the Micro Focus Web site, [www.microfocus.com](http://www.microfocus.com). If you obtained the product from another source, such as an authorized distributor, contact them for help first. If they are unable to help, contact us.

## 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.

# Index

## C

contact information 44

## D

downloads 44

## P

product support 44

Product Support 44

## S

serial number 44

SupportLine 44

## W

WebSync 44

works order number 44