

Crystal Reports 9.0 Database and Export Patch

Hot Fix: cr90dbexwin_en.zip

Language: English

Platform: Windows

Last updated on: 11/4/2004

FTP Location: ftp://ftp1.businessobjects.com/outgoing/EHF/cr90dbexwin_en.zip

WARNING:

While this Hot Fix has not been through a full QA regression test cycle, it has been thoroughly sanity tested and has been deemed to fix the problems reported below, but may inadvertently introduce other unforeseen issues. If you have a development environment, please use it there before applying it into your production environment.

Some of the issues resolved by this Hot Fix require the creation of new registry keys/subkeys or the editing of registry key/subkey values. Please note, using the Registry Editor can cause serious problems that may require reinstalling the operating system. Business Objects is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Business Objects recommends that you back up the registry before you edit it. However, in most cases where these registry keys/subkeys need to be created, the Hot Fix install will create the key/subkey and set the default value.

Please refer to the readme information for each specific issue for the default and recognized values. For more information on creating and editing your system registry, please refer to the following Knowledge Base article.

<http://support.businessobjects.com/library/kbase/articles/c2010398.asp>

If this Hot Fix does not resolve a specific issue that is being experienced in your deployment and for further inquiries regarding this patch, contact Business Objects Customer Support. Please reference your existing incident number regarding this issue or your registration number for a currently supported product when contacting Customer Support.

A list of worldwide contact numbers for Technical Support is available at:

<http://www.businessobjects.com/services/support/default.asp>

This readme describes the issues that have been patched since initial release. Please ensure that all the components mentioned under each problem description has been patched. This patch updates the following files with this or a later version.

The latest version of crdb_ado.dll is 9.2.1.545 dated 11/03/2004
The latest version of crdb_adoplus.dll is 9.2.0.29 dated 06/17/2003
The latest version of crdb_cdo.dll is 9.2.1.494 dated 10/28/2004
The latest version of crdb_com.dll is 9.2.0.44 dated 11/01/2002
The latest version of crdb_dao.dll is 9.2.1.504 dated 10/01/2003
The latest version of crdb_dictionary.dll is 9.2.1.105 dated 08/11/2004
The latest version of crdb_filesystem.dll is 9.2.1.485 dated 05/17/2004
The latest version of crdb_JavaBeans.dll is 9.2.1.62 dated 11/25/2003
The latest version of crdb_odbc.dll is 9.2.1.632 dated 06/30/2004
The latest version of crdb_olap.dll is 9.2.1.491 dated 10/24/2003
The latest version of crdb_oracle.dll is 9.2.1.129 dated 03/10/2004
The latest version of crdb_p2bact3.dll is 9.2.1.115 dated 07/07/2004
The latest version of crdb_p2bbde.dll is 9.2.1.125 dated 03/30/2004
The latest version of crdb_p2bbtrv.dll is 9.2.1.118 dated 08/19/2004
The latest version of crdb_p2bxbse.dll is 9.2.1.124 dated 03/30/2004
The latest version of crdb_p2s.dll is 9.2.1.134 dated 04/01/2004
The latest version of crdb_p2sacl.dll is 9.2.1.142 dated 03/30/2004
The latest version of crdb_p2sdb2.dll is 9.2.1.196 dated 03/30/2004
The latest version of crdb_p2sevta.dll is 9.2.1.141 dated 03/30/2004
The latest version of crdb_p2sevtc.dll is 9.2.1.141 dated 03/30/2004
The latest version of crdb_p2sexsrn.dll is 9.2.1.141 dated 03/30/2004
The latest version of crdb_p2sexsrp.dll is 9.2.1.141 dated 03/30/2004
The latest version of crdb_p2sifmx.dll is 9.2.1.155 dated 03/30/2004
The latest version of crdb_p2smapi.dll is 9.2.1.144 dated 03/30/2004
The latest version of crdb_p2smsiis.dll is 9.2.1.146 dated 03/30/2004
The latest version of crdb_p2snote.dll is 9.2.1.150 dated 03/30/2004
The latest version of crdb_p2soutlk.dll is 9.2.1.134 dated 03/30/2004
The latest version of crdb_p2srepl.dll is 9.2.1.142 dated 03/30/2004
The latest version of crdb_p2ssyb10.dll is 9.2.1.184 dated 03/30/2004
The latest version of crdb_p2strack.dll is 9.2.1.144 dated 03/30/2004
The latest version of crdb_p2swblg.dll is 9.2.1.143 dated 03/30/2004
The latest version of crdb_pc.dll is 9.2.1.96 dated 03/20/2003
The latest version of crdb_query.dll is 9.2.1.549 dated 09/30/2003
The latest version of crxf_html.dll is 9.2.1.31 dated 10/08/2004
The latest version of crxf_pdf.dll is 9.2.1.569 dated 01/20/2004
The latest version of crxf_rtf.dll is 9.2.1.569 dated 09/24/2004
The latest version of crxf_wordw.dll is 9.2.1.569 dated 09/24/2004
The latest version of crxf_xls.dll is 9.2.1.681 dated 10/06/2004
The latest version of ExportModeller.dll is 9.2.1.565 dated 06/17/2004
The latest version of IVCR.LIC is dated 09/27/2002
The latest version of p2bbtrv.dll is 9.2.1.10 dated 04/28/2004
The latest version of p2ixbse.dll is 8.0.100.1 dated 06/20/2003
The latest version of querybuilder.dll is 9.2.1.523 dated 01/08/2004
The latest version of u2ddisk.dll is 9.2.1.543 dated 04/15/2003
The latest version of u2fodbc.dll is 9.2.1.542 dated 04/04/2003
The latest version of u2fsepv.dll is 9.2.1.37 dated 06/18/2004
The latest version of u2ftext.dll is 9.2.1.566 dated 09/28/2004

DEFECTS

Problem ID # ADAPT00341749

Description:

When connecting to a CDO recordset at run-time, Crystal Reports generates an error because the QueryEngine incorrectly interprets field names ending with a bracket pair containing a number e.g. (1), (2), (3) etc..

New Behavior:

The issue has now been fixed.

The issue is corrected in the following component version, or later.

crdb_cdo.dll	9.2.1.494	10/28/2004
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Problem ID # ADAPT00341229

Description:

Reports that contain text objects that span more than one line, and that have the option "Can Grow" set, cannot be exported in their entirety to Text format. The text objects are truncated after one line.

The cause of the problem is an error in the formula that calculates the space that is required for exported text objects.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.566	09/28/2004
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Problem ID # ADAPT00332936

Description:

When a report is exported to Tab-Separated Text format, fields that contain more than 255 characters have a blank line and carriage return after the corresponding row in the TTX file.

An additional line and carriage return is commonly added to objects for export to plain Text format when the text object is considered too long for one line (greater than 255 characters). The cause of the problem is that the same logic has been applied to Tab-Separated TTX files, where an extra line and carriage return is not necessary.

New Behavior:

The maximum number of characters that an object must contain before additional lines are added has been increased to 64 thousand characters.

Known Limitation:

Note that if a report object contains more than 64 thousand characters (for example, in a memo field), additional blank lines may be added when the report is exported to Tab-Separated Text format.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.565	09/24/2004
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Problem ID # ADAPT00322052

Description:

When reporting off of a Btrieve database and using version 9.1.2.88 or greater of the crdb_p2bbtrv.dll, a memo field displayed on the report will only show up to 254 characters.

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll

9.2.1.118

08/19/2004

Problem ID # ADAPT00321346

Description:

When users export a report to Microsoft Excel Data Only format, field objects (database fields, text objects, column headers, and so on) do not retain their text alignment property (Left, Right, Center, or Justified).

New Behavior:

Exports to Microsoft Excel Data Only format maintain their text alignment property. The "Default" horizontal alignment value for a field object in Crystal Reports will map to the "General" alignment value in Microsoft Excel.

Known Limitation:

The Microsoft Excel Data Only export option, Export Object Formatting, must be selected to export text alignment.

The issue is corrected in the following component version, or later.

crxf_xls.dll

9.2.1.681

10/06/2004

Problem ID # ADAPT00315748

Description:

When exporting a report to Microsoft Excel Data Only format, the columns are not aligned properly if the report only contains group headers and footers (details section is suppressed).

New Behavior:

The option to Maintain Column Alignment depends on the choice of a section in the report, of which to base the column width on. Several additional registry subkeys are created to allow Crystal Enterprise to configure Microsoft Excel Data Only exports through a viewer. These registry subkeys are located in HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\. They are also located in the HKEY_LOCAL_MACHINE tree for use with Crystal Enterprise. The key names are: ColumnWidthGroupNumber, ColumnWidthBaseArea, UseConstantColumnWidth, and ConstantColumnWidth. Note that a constant column width cannot be used once the option to Maintain Column Alignment is set.

Known Limitation:

[HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthBaseArea]

Set this key to determine which section of the report the column widths of the export are based on. The following values are available:

- 1 = Report Header
- 2 = Page Header
- 3 = Group Header
- 4 = Details Section
- 5 = Group Footer
- 7 = Page Footer
- 8 = Report Footer
- 255 = Whole Report (Default)

[HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthGroupNumber]

This key is read when the column widths are based on a group section (ColumnWidthBaseArea = 3 or 5). This value determines which group section to use.

[HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\UseConstantColumnWidth]

This subkey determines the option to use Constant Column Widths in the export, meaning that each column in the Microsoft Excel spreadsheet is the same width.

[HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ConstantColumnWidth]

This subkey provides the width of the columns in the export. This key is not used if UseConstantColumnWidth is False. Acceptable values are in twips (1440 twips = 1 inch).

The issue is corrected in the following component version, or later.

crxf_xls.dll

9.2.1.677

08/27/2004

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ConstantColumnWidth
Type: DWORD
Recognized Values: 200 - 5760
Default Value: 720
Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ConstantColumnWidth
Type: DWORD
Recognized Values: 200 - 5670
Default Value: 720
Creation Method: Hot Fix Installation

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\UseConstantColumnWidth
Type: STRING
Recognized Values: Yes;No;True;False
Default Value: False
Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\UseConstantColumnWidth
Type: STRING
Recognized Values: Yes;No;True;False
Default Value: False
Creation Method: Hot Fix Installation

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthGroupNumber
Type: DWORD
Recognized Values: 1;2;3; etc.
Default Value: 1
Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthGroupNumber
Type: DWORD
Recognized Values: 1;2;3; etc.
Default Value: 1
Creation Method: Hot Fix Installation

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthBaseArea
Type: DWORD
Recognized Values: 1;2;3;4;5;7;8;255
Default Value: 255
Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ColumnWidthBaseArea
Type: DWORD
Recognized Values: 1;2;3;4;5;7;8;255
Default Value: 255
Creation Method: Hot Fix Installation

Problem ID # ADAPT00307501

Description:

SQL "Where" clause does not get passed to dictionary data source if formula contains a range comparator against a field rather than discrete value.

New Behavior:

"Where" clause is generated and field contents passed as parameter in formula.

The issue is corrected in the following component version, or later.

crdb_dictionary.dll

9.2.1.105

08/11/2004

Problem ID # ADAPT00300916

Description:

After applying the latest Weekly Hotfix, Crystal Reports 9.0 terminates unexpectedly when exporting to any page-based export formats (e.g.: Adobe Acrobat, Rich Text Format, Microsoft Excel, Microsoft Word).

New Behavior:

An initialization variable was not set properly, resulting in an error in general text object rendering. This is fixed.

The issue is corrected in the following component version, or later.

ExportModeller.dll

9.2.1.565

06/17/2004

Problem ID # ADAPT00300453

Description:

Reporting off of Pervasive stored procedures that contain Insert or Delete clauses results in a "Failed to Open a Rowset" error in Crystal Reports 9.0.

New Behavior:

The read-only restriction is removed from the ODBC driver, and reports based on Pervasive stored procedures containing Inserts or Deletes can be created and viewed correctly in Crystal Reports 9.0.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.632

06/30/2004

Problem ID # ADAPT00297040

Description:

When opening an existing report or creating a new report in the RDC embeddable designer that accesses a secure Pervasive database via ODBC, passing logon info to the database returns the error, "Not Supported."

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.630

06/04/2004

Problem ID # ADAPT00296332

Description:

The Crystal Reports ODBC driver does not return the correct number of characters in a CLOB memo field. This problem started in the crdb_odbc.dll, from version 9.2.1.598 and onward.

The cause of the problem is that the column size of a CLOB field is determined by its number of bytes, rather than by its number of characters.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.629

05/31/2004

Problem ID # ADAPT00288370

Description:

When users create a report against an ACT! 3 (2000) database that contains user-defined fields, the following error may be displayed when the report is processed: "Crystal Reports: One or more fields could not be found in the result set. Use the verify Database to update the report."

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll

9.2.1.115

07/07/2004

Problem ID # ADAPT00284252

Description:

When exporting to Excel through the RAS SDK, the decimal numbers may round up to the next whole number.

New Behavior:

This issue is now resolved.

The issue is corrected in the following component version, or later.

u2fsepv.dll

9.2.1.37

06/18/2004

Problem ID # ADAPT00280698

Description:

Exporting to text format using the PrintOutputController in a jsp page results in a memory leak.

New Behavior:

A method in the export driver was allocating memory to convert text from Unicode to ANSI, but was not releasing the memory. The problem is resolved.

The issue is corrected in the following component version, or later.

u2ftext.dll

9.2.1.564

06/02/2004

Problem ID # ADAPT00276247

Description:

When hard returns are added to the Row and Column Total Headers in a Cross-Tab, only the first line appears when the report is exported to PDF format. All lines that follow the first line are truncated.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

ExportModeller.dll

9.2.1.564

05/12/2004

Problem ID # ADAPT00274570**Description:**

When the Details and Group Footer sections of a report are suppressed, exporting the report to CSV results in the exported file not having a break after each record such that all of the records are placed on one line instead of being on separate lines.

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

u2fsepv.dll	9.2.1.35	05/12/2004
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Problem ID # ADAPT00268966**Description:**

When users report from an IBM DB2 database with Crystal Report's native DB2 connection, if an "or" is used in the record selection formula, the formula fails to be processed on the DB2 server side. This problem can slow down the performance of the report processing time.

The problem is that the "or" operator is not passed to the database.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.114	03/30/2004
crdb_p2bbde.dll	9.2.1.125	03/30/2004
crdb_p2bbtrv.dll	9.2.1.114	03/30/2004
crdb_p2bxbse.dll	9.2.1.124	03/30/2004
crdb_p2s.dll	9.2.1.134	04/01/2004
crdb_p2sacl.dll	9.2.1.142	03/30/2004
crdb_p2sdb2.dll	9.2.1.196	03/30/2004
crdb_p2sevta.dll	9.2.1.141	03/30/2004
crdb_p2sevtc.dll	9.2.1.141	03/30/2004
crdb_p2sexsrn.dll	9.2.1.141	03/30/2004
crdb_p2sexsrp.dll	9.2.1.141	03/30/2004
crdb_p2sifmx.dll	9.2.1.155	03/30/2004
crdb_p2smapi.dll	9.2.1.144	03/30/2004
crdb_p2smsiis.dll	9.2.1.146	03/30/2004
crdb_p2snote.dll	9.2.1.150	03/30/2004
crdb_p2soutlk.dll	9.2.1.134	03/30/2004
crdb_p2srepl.dll	9.2.1.142	03/30/2004
crdb_p2ssyb10.dll	9.2.1.184	03/30/2004
crdb_p2strack.dll	9.2.1.144	03/30/2004
crdb_p2swblg.dll	9.2.1.143	03/30/2004

Problem ID # ADAPT00268336**Description:**

When an Excel instance is exported, after a certain number of rows, its cells are not merged correctly.

The cause of the problem is a setting in the Excel Exporter, which controls the number of rows that are merged.

New Behavior:

The limit in the Excel Exporter has been increased. This problem is resolved.

The issue is corrected in the following component version, or later.

crxf_xls.dll

9.2.1.672

05/27/2004

Problem ID # ADAPT00266463

Description:

Sorting is ignored when it is applied through a recordset. The records in the report are shown in the original order instead of being sorted.

New Behavior:

Sorting can now be applied to a recordset.

The issue is corrected in the following component version, or later.

crdb_ado.dll

9.2.1.545

11/02/2004

Problem ID # ADAPT00264640

Description:

Reports based off commands and a native connection to Oracle return an incorrect number of records when using left outer joins.

New Behavior:

A linking error in the Oracle native driver when dealing with commands is fixed. The second command is executed for each matched record in the first command/table.

The issue is corrected in the following component version, or later.

crdb_oracle.dll

9.2.1.129

03/10/2004

Problem ID # ADAPT00253711

Description:

In Crystal Reports 9, when users select the "Use Indexes or Server for Speed" report option and place an asterisk (*) as a wildcard in the selection formula, no records are returned. This only occurs for reports that are based on Btrieve data sources.

New Behavior:

The driver is fixed to support this feature.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll

9.2.1.113

03/15/2004

Problem ID # ADAPT00253682

Description:

The Crystal Reports ODBC driver does not recognize the Data Direct drivers when they are branded with different prefixes.

New Behavior:

New registry subkeys enable the ODBC driver to support other branded Data Direct drivers.

Known Limitation:

The partial driver name (the first 4 or 5 characters) must be added as a value to the corresponding string. For example, the value will be "btor" for a custom branded driver named "btor819.dll," which must be added to the "DataDirect Oracle drivers" subkey.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.627

03/16/2004

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Other drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Text drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect XML drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Informix drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Sybase drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect DB2 drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Oracle drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DataDirect Microsoft drivers

Type: STRING

Recognized Values: <database driver name(s)>

Creation Method: Hot Fix Installation

Description:

Memo fields in subreports fail to export to text correctly. After export, the memo field is truncated and the line spacing in the text file is incorrect.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.563	02/19/2004
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Problem ID # ADAPT00250579

Description:

The report designer hangs while opening and refreshing a report that is based on a native Btrieve connection that contains linked string fields. However, if the report is converted to use ODBC instead of a native connection, then the report designer refreshes without error.

The property for the native connection causes the problem. If the linked string field has been given a defined size, the string is not copied into the native property.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.112	01/29/2004
p2bbtrv.dll	9.2.1.9	01/29/2004

Problem ID # ADAPT00249069

Description:

When the option "Use Indexes or Server for Speed" is checked, Crystal Reports is unable to correctly return data from Btrieve database tables that are linked by string and time fields.

The cause of the problem is that the string/time field definition does not accommodate the "Use Indexes or Server for Speed."

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.112	01/29/2004
crqe.dll	9.2.1.619	02/13/2004
p2bbtrv.dll	9.2.1.9	01/29/2004

Problem ID # ADAPT00231696

Description:

Saving SQL Expressions in Crystal Report 9.0 that were based on OLEDB data sources would cause Crystal Reports to shutdown. This problem was only introduced after applying previous hotfixes for Crystal Reports 9.0.

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.542	07/20/2004
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Problem ID # ADAPT00230843**Description:**

When viewing a report on demand that uses the PeopleSoft Solution kit, the Crystal Pageservers' multi-threaded capabilities are not used.

The cause of the problem is that the database driver is not thread safe.

New Behavior:

The full functionality of the Crystal Pageserver is enabled.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.1.129	12/22/2003
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Problem ID # ADAPT00229562**Description:**

The error "Failed to open rowset" appears when running a Sybase 12.5 report that uses the native driver (crdb_p2ssyb10.dll). This error occurs when a simple boolean formula is used in the record selection: {Database Table.Database Field} = {Database Table.Database Field} AND {Database table.Database Field} = 1

The statement before the "AND" condition generates an incorrect SQL query. The SQL that is generated includes an extra "AND" statement in the WHERE clause.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2ssyb10.dll	9.2.1.181	01/22/2004
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Problem ID # ADAPT00228996**Description:**

Reports fail when using IBM AS400 OLE DB Provider. An error message appears: "Unable to connect: incorrect logon parameters."

The problem is caused by use of the session ID and session password properties, which are no longer required.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.534	01/06/2004
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Problem ID # ADAPT00228728**Description:**

Crystal Reports cannot report from the Active Directory for Microsoft's OLEDB Provider for Active Directory Services. Active Directory Services fails to process the query that is sent by Crystal Reports; Crystal Reports then displays an error message.

New Behavior:

In Crystal Reports, users can report from the Active Directory for Microsoft's OLEDB Provider for Active Directory Services, by manually designing a command table.

Also, the error message that informs users that no tables were retrieved is suppressed after passing authentication for the ADO data source.

The issue is corrected in the following component version, or later.

craxddrt9.dll	9.2.3.1011	02/05/2004
craxdrt9.dll	9.2.3.1011	02/05/2004
crdb_ado.dll	9.2.1.538	02/10/2004
crw32.exe	9.2.3.1011	02/05/2004

Problem ID # ADAPT00224511

Description:

When exporting to Microsoft Excel (Data Only) over the remapped crEFTExcel##Tabular (## = 50, 70, or 80) CRExportFormatType, the column widths in the export are larger than needed.

New Behavior:

Users can set the column width for Microsoft Excel (Data Only) exports, with the ExcelConstantColumnWidth property of the ExportOptions object. Note that the value used is the number of characters in CR 8.5 and TWIPs in CR 9.0.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.669	12/10/2003
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Problem ID # ADAPT00224343

Description:

When a numeric field is placed beside a multi-line text field in a report, and the report is then exported to PDF, the field in the PDF is misaligned by a few pixels.

The problem is caused by a difference between the baseline location for the numeric fields and multiple-line text fields. The baseline location for numeric fields is too high.

New Behavior:

The value for the baseline has been recalculated to improve alignment.

Known Limitation:

This patch is an improvement only; the problem may still occur when exporting some reports. The problem is being investigated for future products.

The issue is corrected in the following component version, or later.

crxf_pdf.dll	9.2.1.569	01/20/2004
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Problem ID # ADAPT00222956

Description:

When a native report is based on an IBM DB2-stored procedure and set to use the custom data source option, the following error is returned: "The table could not be found."

The cause of the problem is that the driver searches for a stored procedure if it does not recognize the table type.

New Behavior:

If a table type is unknown and the fully qualified name doesn't contain "proc()", the driver searches for the table name as if it is a table (rather than a stored procedure). If the table is not found, then the driver searches for a stored procedure.

The issue is corrected in the following component version, or later.

crdb_p2sdb2.dll

9.2.1.188

12/04/2003

Problem ID # ADAPT00220925

Description:

When a report is based off a native connection to Oracle, performance of the Verify Database function is degraded. This is because Crystal sends to Oracle a SELECT Statement in OCI_DESCRIBE_ONLY mode that contains an empty WHERE clause.

New Behavior:

A WHERE clause of "0=1" has been added to the end of the Verify Database query that is sent to Oracle. That results in reduced overhead and improved performance.

The issue is corrected in the following component version, or later.

crdb_oracle.dll

9.2.1.127

11/28/2003

Problem ID # ADAPT00219113

Description:

When viewing a report that contains three linked tables that are based on SQL server over a JDBC connection, if the join conditions include a Left Outer, Right Outer or Full Outer Join, a query engine error appears.

The problem is caused by the outer join escape sequence used in both JDBC and ODBC. Because the escape sequence is no longer accepted by JDBC or ODBC, the error is thrown.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

querybuilder.dll

9.2.1.522

12/15/2003

Problem ID # ADAPT00218755

Description:

Certain ODBC drivers are unable to locate the proper table to use in the "From" clause for the database, when handling constant SQL expressions in Crystal Reports 9.

New Behavior:

A registry subkey can be set to a placeholder table name. This table name is used in the From clause when evaluating the SQL expression, to resolve the problem.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.623

11/19/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey:	HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\DummyTableForConstExpression
Type:	STRING
Recognized Values:	The value must be a valid table name in the datasource you are currently reporting against, in the format of Database.TableName, for instance: XTREME.dbo.Customer
Creation Method:	User

Problem ID # ADAPT00218032**Description:**

Linked, indexed numeric fields in a Foxpro 2.6 database return no data in Crystal Reports 9.

New Behavior:

Data from numeric fields that are linked and indexed in a Foxpro 2.6 data source Data is returned properly in Crystal Reports 9.

The issue is corrected in the following component version, or later.

crdb_p2bxbse.dll	9.2.1.119	01/07/2004
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Problem ID # ADAPT00217519**Description:**

Reports based off Btrieve that are created in Crystal Reports 8.5 may crash, when opened and refreshed in Crystal Reports 9.0.

An index pointer sometimes references a non-existent range, and causes the crash.

New Behavior:

The range that the pointer searches through is fixed.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.107	10/27/2003
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Problem ID # ADAPT00215189**Description:**

A single sign-on to PeopleSoft does not work as expected.

The cause of the problem is that Crystal Reports does not use the current PeopleSoft session information for log ons.

New Behavior:

The problem is resolved.

Known Limitation:

For SSO, if the DSN is set to use 3 tiers through an application server, the PeopleSoft ODBC driver will not pick up the db/appsrv information from the registry. A DSN set up for 2 tiers through the app server continues to work as expected.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.620	10/20/2003
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Problem ID # ADAPT00214813**Description:**

The cr90devwin_en.zip (10/9/03) patch causes an error in date fields. The Report Designer Component does not properly compare date fields to a hard-coded value of 0/0/0 12:00:00 AM, when connecting through OLEDB or ODBC. The date is shown as {ts '-4714-12-31 00:00:00'}; it should be shown as {ts '1899-12-30 00:00:01'}. This error exists in V10 too.

The cause of the problem is that the Report Designer Component compares DateTime with the same null value.

New Behavior:

This problem is resolved, for versions 9 and 10.

The issue is corrected in the following component version, or later.

craxddrt9.dll		01/08/2004
craxdrt9.dll	9.2.3.986	01/08/2004
crpe32.dll	9.2.3.986	01/08/2004
crqe.dll	9.2.1.617	01/08/2004
crw32.exe		01/08/2004
querybuilder.dll	9.2.1.523	01/08/2004

Problem ID # ADAPT00213459

Description:

Exporting a report with a subreport to text format on Windows 98 fails to generate a file, or it returns an "Export failed" error.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.560	11/28/2003
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Problem ID # ADAPT00213391

Description:

The Java Bean database driver cannot reliably display string fields. The Report Designer crashes if a string field length goes over 276 characters.

New Behavior:

The driver has been fixed to respect the maximum string length of 65534 characters.

The issue is corrected in the following component version, or later.

crdb_JavaBeans.dll	9.2.1.62	11/25/2003
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Problem ID # ADAPT00212966

Description:

When connecting to PeopleSoft data, Crystal Reports removes the DBQ information in the connection string, and passes only DSN, UID, and PW.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.620	10/20/2003
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Problem ID # ADAPT00211957

Description:

When users export a report to CSV format, the page header appears at the beginning of every record, rather than at the beginning of the CSV file. Also, if the Details section is suppressed on a report that has grouped data, and more than one Details section appears for a specific group, the Group Header is repeated for each detail line when the report is exported to CSV format.

New Behavior:

A registry subkey has been added to allow users to toggle on or off the appearance of the page header at every record.

The subkey is named

HKEY_CURRENT_USER\Software\Crystal Decisions\10.0\Crystal Reports\Export\CSV\AreaExportOptions

When this key is set to the DWORD value of 1, the group headers are set as column headers upon export.

To update the Patch for UNIX, do the following:

1) Apply the patch.

2) Under the Crystal directory, go to the enterprise/generic folder and run: "./configpatch.sh adapt211957.cf".

The option on the server is updated, once the patch has finished running. For all patches, only

HKEY_CURRENT_USER is created.

The issue is corrected in the following component version, or later.

u2fsepv.dll	9.2.1.33	10/15/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\CSV\AreaExportOptions

Type: DWORD

Recognized Values: 0, 1

Default Value: 0

Creation Method: User

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\CSV : AreaExportOptions

Type: DWORD

Recognized Values: 0, 1

Default Value: 0

Creation Method: Hot Fix Installation

Problem ID # ADAPT00211443

Description:

Reports that draw data from a MySQL Database over ODBC may return incorrect time fields. The MySQL ODBC driver does not support the conversion from time (or date) to datetime.

New Behavior:

Time (or date) is converted internally to datetime.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.620	10/20/2003
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Problem ID # ADAPT00210005

Description:

When using the Peoplesoft ODBC driver, the Crystal Reports 9 designer displays the incorrect time.

The problem is caused by the crdb_odbc.dll file, which binds the time field to a timestamp structure rather than a time structure.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.616	10/06/2003
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Problem ID # ADAPT00208878**Description:**

When load testing an RDC/ASP application that exports a simple report to PDF format, a warning appears in the system log of the Event Viewer: "Out of process application 'Icm/w3svc/1/root/test' terminated unexpectedly".

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

ExportModeller.dll	9.2.1.562	10/01/2003
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Problem ID # ADAPT00207755**Description:**

When using a custom-branded Data Direct Wire Protocol version 4.2 ODBC driver for Oracle in Crystal Reports 9, reports cannot be refreshed. If an attempt is made to refresh a report that uses this driver, an error is returned stating that the table does not exist.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.614	10/02/2003
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Problem ID # ADAPT00207318**Description:**

Crystal Enterprise throws the following error when a custom database is used for a native Sybase report based off a stored procedure: "Crystal Reports Print Engine Error: Unable to retrieve Object. Crystal Reports: Print Engine Error". This error is thrown regardless of whether the "Use custom database logon information" option is enabled.

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

crdb_p2ssyb10.dll	9.2.1.177	10/29/2003
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Problem ID # ADAPT00207059**Description:**

If a report in a C++ application contains conditionally suppressed subreports, and the report is viewed repeatedly, the application hangs.

The problem is caused by a fault in the handling for multi threads.

New Behavior:

A new registry subkey switches on the handling of multi-threading, which solves the problem. To switch on multi-thread handling, set HKEY_CURRENT_USER\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\DAO\IsThreadSafe to "Yes."

The issue is corrected in the following component version, or later.

crdb_dao.dll	9.2.1.504	10/01/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\DAO\IsThreadSafe
Type: STRING
Recognized Values: Yes, No
Creation Method: Hot Fix Installation

Problem ID # ADAPT00205949

Description:

Viewing a report on demand that contains a SQL Command from the Crystal Repository creates a looping logon prompt, for certain tested databases.

The problem is caused by logon credentials that are being passed incorrectly.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_query.dll	9.2.1.549	09/30/2003
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Problem ID # ADAPT00204736

Description:

A report that is created from a Microsoft SQL Server data source that uses the MS SQL Server ODBC Driver returns incorrect data for fields that are of the "BigInt" data type. The report returns zeros and ones, in place of the correct data.

The problem is caused by a type mismatch in the ODBC layer that occurs when the report reads fields of the "BigInt" data type.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.611	09/22/2003
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Problem ID # ADAPT00204186

Description:

When a report is exported to RTF or Microsoft Word format with the "Use Default Margins" setting enabled in the page setup area of Crystal Reports 10, the report sets the paper size to [8.5 * 11.5], rather than [8.5 * 11].

The problem is that the default paper size was mistakenly declared as [8.5 * 11. 5].

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crxf_rtf.dll	9.2.1.569	09/24/2004
crxf_wordw.dll	9.2.1.569	09/24/2004

Problem ID # ADAPT00203824**Description:**

When the user creates and then refreshes a report using the crpe32.dll API, parameter prompts are displayed in the Crystal Reports UI, rather than the Peoplesoft UI.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.613	09/29/2003
crpe32.dll	9.2.3.884	09/30/2003
crw32.exe	9.2.3.884	09/30/2003

Problem ID # ADAPT00202620**Description:**

Sometimes when exporting to Microsoft Excel 97 - 2000 format, certain cell blocks that are mapped to report objects fail to merge. This leads to inconsistent formatting when the report objects contain formatting, such as borders.

The problem is caused by an overflow error in the algorithm that merges cells together.

New Behavior:

The algorithm properly accounts for this overflow.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.666	10/16/2003
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Problem ID # ADAPT00201569**Description:**

When verifying the database in a report based off a DBISAM database, the following error message appears: "The database table <tablename> cannot be found. Proceed to remove this table from the report?" The error message appears because the DBISAM driver does not support the catalog. In that case, rather than return the catalog, the driver returns the physical path to the database file. When the path is used for the table name, it causes the error.

New Behavior:

If the catalog is detected as a path, it is removed completely; therefore, the driver no longer returns the database path in the full table name, in place of the catalog.

Known Limitation:

This fix works only with newly created reports.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.612	09/23/2003
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Problem ID # ADAPT00200438**Description:**

Blank lines are inserted into exported text, if the exported text object contains more than 255 characters.

The problem is caused by a fault in the height approximation for text / field objects.

New Behavior:

In general, the text approximation of object position & height for report objects is more accurate.

Known Limitation:

This fix is limited by other settings that users can adjust on report objects. For example, if the "Can Grow" feature has been switched off for a report object, that object may become truncated, depending on the settings made for object's field width and "CPI layout." If truncation occurs, users can increase the field width and "CPI layout" settings during export, or turn on the "Can Grow" field property for the truncated object.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.558	10/29/2003
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Problem ID # ADAPT00199586

Description:

When exporting to Microsoft Excel (Data Only) from a Crystal Enterprise viewer, the Page Server consumes memory and does not release it until the service is restarted.

New Behavior:

Several memory leaks in the Unicode conversion layer are fixed. Also fixed are memory leaks in the Microsoft Excel data only format options, Export Images, and Export Object Formatting.

Known Limitation:

Note that two options need to be set from the registry keys that control exporting from viewers (see ADAPT 160797).

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.667	11/05/2003
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Problem ID # ADAPT00199005

Description:

When a report is based on a query file that queries a DB2 ODBC data source, the prompt for the database log on displays the default value (the database name) when a database connection is required. This behavior is incorrect.

New Behavior:

The default value (database name) is no longer shown. In its place is a choice of aliases that have been configured in the DB2 client.

The issue is corrected in the following component version, or later.

crdb_query.dll	9.2.1.547	09/08/2003
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Problem ID # ADAPT00198568

Description:

No records are returned in a report, under certain conditions: when the data source is a native connection to a Pervasive SQL 2000 database, and linking is performed on two tables via an equal inner join type. Note that an ODBC connection to the same database returns the expected number of records.

The problem is caused by one of the string types, LString. LString uses the first byte to store the length of the string in native format. The length in the first byte of the native buffer is stored before the actual string is stored during conversion.

New Behavior:

This has been corrected and the LString type is passed correctly via the native driver.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.104	09/22/2003
p2bbtrv.dll	9.2.1.8	09/22/2003

Problem ID # ADAPT00198247**Description:**

Incomplete or missing records are returned in a report, under certain conditions: when the data source is a native connection to a Pervasive SQL 2000 database, and linking is performed on a segmented index that consists of Integer, Date and Time fields. Note that an ODBC connection to the same database returns the expected number of records.

The problem is caused by the Time field type being passed as DateTime, rather than Time. As a result, incomplete or missing records are returned in the report.

New Behavior:

The system has been modified to pass the correct Time fields through the Native driver.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.104	09/22/2003
p2bbtrv.dll	9.2.1.8	09/22/2003

Problem ID # ADAPT00195439**Description:**

When setting the data source location on a report that is based off an IDAPI database, an error message appears when users edit the "Data File:" property of the connection. The error message reads: "Some tables could not be replaced, as no match was found in the new data source. Please specify the table required for any unmodified tables."

The error appears because the table name is taken from the file name; when the file name changes, the old table name cannot be found.

New Behavior:

The drivers no longer match the file name to the table name.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.109	11/20/2003
crdb_p2bbde.dll	9.2.1.120	11/20/2003
crdb_p2bbtrv.dll	9.2.1.109	11/20/2003
crdb_p2bxbse.dll	9.2.1.118	11/20/2003

Problem ID # ADAPT00194820**Description:**

The default isolation level for database reads in Crystal Reports 9.0 is set to Read Committed. This level is unchangeable and does not maintain backwards-compatibility with Crystal Reports 8.5, whose default isolation level was "Read Uncommitted".

New Behavior:

The default isolation level remains set to Read Committed; however, a registry string value has been added to allow users to set the isolation level. This subkey is located at HKCU(or HKLM)\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\IsolationLevel. The values recognized are: 1 (Read Uncommitted), 2 (Read Committed), 4 (Repeatable Read), and 8 (Serializable). The default value is 2.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.608	08/22/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER (or HKEY_LOCAL_MACHINE)\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC
Type: STRING
Recognized Values: 1; 2; 4; 8;
Default Value: 2
Creation Method: Hot Fix Installation

Problem ID # ADAPT00194769

Description:

The Report Designer would crash if a user immediately cancelled an asynchronous processing query that was reporting against an ADO data source.

New Behavior:

The proper call is issued to cancel an asynchronous query when reporting against an ADO data source.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.540	03/24/2004
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Problem ID # ADAPT00194363

Description:

The report designer crashes when a report uses a decimal numeric currency field, and runs off a Sybase server. When such reports are viewed over Crystal Enterprise, sometimes the report designer receives the error "Cannot submit for background processing." Also, if Crystal Reports 8.5 receives an OnWinIniChange message while accessing the final page on a report, it crashes.

These problems are caused by an insufficient data size for decimal numeric currency fields.

New Behavior:

The data size has been doubled to 8 bytes for the following Sybase data types: CS_MONEY_TYPE, CS_MONEY4_TYPE, CS_REAL_TYPE, CS_FLOAT_TYPE, CS_DECIMAL_TYPE, and CS_NUMERIC_TYPE. With this increase in the data size, the crash no longer occurs. Also, code has been added to ignore the OnWinIniChange message and prevent a crash.

The issue is corrected in the following component version, or later.

crdb_p2ssyb10.dll	9.2.1.171	08/12/2003
crdb_p2ssyb10.dll	9.2.1.172	08/28/2003
crw32.exe	9.2.3.838	08/15/2003

Problem ID # ADAPT00194352

Description:

Users cannot create or refresh a report that is based on a Pervasive 2000 database in Crystal Reports 9, if the .dat and .ddf files are located in different paths and the path names contain a space.

New Behavior:

This problem is resolved by a function that is called before the path is passed to Btrieve functions.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll	9.2.1.104	09/22/2003
p2bbtrv.dll	9.2.1.8	09/22/2003

Problem ID # ADAPT00194121**Description:**

When a table from Teradata is added to a report in Crystal Reports 9, Crystal Reports displays an error message that says "Not Supported."

The problem is caused by an invalid internal call.

New Behavior:

The call has been ignored, and the error message no longer appears.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.610	09/16/2003
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Problem ID # ADAPT00192585**Description:**

The JD Edwards ODA driver fails more than two tables are joined together, and one of the joins occurs on the outer left side. The failure throws an error message: "Failed to open a rowset 42000 J.D. Edwards OneWorld ODA Driver Syntax error or access violation."

New Behavior:

Applying this patch fixes the problem.

The issue is corrected in the following component version, or later.

querybuilder.dll	9.2.1.519	08/08/2003
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Problem ID # ADAPT00189873**Description:**

When many concurrent users export to PDF format through the ASP Report Server, the DLLHost.exe crashes. This causes IIS to hang or crash.

New Behavior:

A threading issue in the Export Modeller has been resolved to fix this issue.

The issue is corrected in the following component version, or later.

ExportModeller.dll	9.2.1.562	10/01/2003
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Problem ID # ADAPT00187569**Description:**

When an OLAP report is refreshed, and the account that is used to connect to the OLAP data source is locked, Crystal Reports throws the error "Not supported." The error message offers the user no further information on how to fix the problem.

New Behavior:

The appropriate login dialog is displayed to request new login information, if the previously supplied information does not allow Crystal Reports to connect to the OLAP data source.

The issue is corrected in the following component version, or later.

crdb_olap.dll	9.2.1.491	10/24/2003
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Problem ID # ADAPT00185819

Description:

When querying .jar files for classes that return ResultSets, the Crystal Reports designer may crash when reporting off Java Beans.

New Behavior:

The problem is resolved.

The issue is corrected in the following component version, or later.

crdb_JavaBeans.dll	9.2.1.59	10/29/2003
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Problem ID # ADAPT00185689

Description:

When exporting Hebrew or Arabic text to PDF, the string sequence, " ." (space, period), is exported as ". " (period, space). Since Hebrew and Arabic reads right-to-left, this distorts the sentence-ending period.

New Behavior:

The PDF exporter now exports right-to-left text properly.

The issue is corrected in the following component version, or later.

crxf_pdf.dll	9.2.1.568	08/11/2003
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Problem ID # ADAPT00182794

Description:

When viewing or scheduling a report that contains a subreport based off an Oracle database that is using the Crystal native driver, the following error is returned under certain conditions: "Query Engine Error. File <pathname & filename>."

New Behavior:

A change has been made to the native Oracle driver to allow this connection to be made correctly.

The issue is corrected in the following component version, or later.

crdb_oracle.dll	9.2.1.122	07/09/2003
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Problem ID # ADAPT00180482

Description:

When the option "Use Indexes or Server for speed" is selected and certain selection criteria is used, it is possible that incorrect data will be returned.

New Behavior:

A change has been made to the indexing model to return the correct data for each type of query.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.100	07/09/2003
crdb_p2bbde.dll	9.2.1.110	07/09/2003
crdb_p2bxbse.dll	9.2.1.109	07/09/2003

Problem ID # ADAPT00178226

Description:

After exporting a report to Microsoft Excel Data Only format, the Wrap Text cell format option is randomly turned on for string fields and text objects.

New Behavior:

The Wrap Text cell format option is explicitly turned off for all cells in the exported Microsoft Excel file. This is compliant with previous versions and future versions of Crystal Reports and Crystal Enterprise. This only applies to the Microsoft Excel Data Only format.

Known Limitation:

Microsoft Excel represents carriage return control characters as boxes when the cell is formatted with no Wrap Text. Text objects or database fields that contain carriage returns in them will export them as such.

The issue is corrected in the following component version, or later.

crxf_xls.dll

9.2.1.670

03/16/2004

Problem ID # ADAPT00178212

Description:

Suppressed objects in a report lose their positioning when the report is exported to Microsoft Excel Data Only format.

New Behavior:

A registry subkey has been added to allow backwards compatibility with older versions of the Microsoft Excel export dll. This key controls whether the position of suppressed objects is maintained when the report is exported to Microsoft Excel Data Only format. The key is HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\IgnoreSuppressedObjects. Its default value is "Yes". Setting this subkey to "No" preserves the position of suppressed objects.

Known Limitation:

Currently, if the suppressed objects exist only in the page header, and the column width of the export is based upon the details section, the positioning of those suppressed objects are not exported. This is because the "Column width based on <report section>" export option controls the amount of cell space to accommodate suppressed objects in the report. To solve this problem, base the column width of the export on the page header section.

The issue is corrected in the following component version, or later.

crxf_xls.dll

9.2.1.664

07/24/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\IgnoreSuppressedObjects
Type: STRING
Recognized Values: Yes; No; True; False
Default Value: Yes
Creation Method: Hot Fix Installation

Problem ID # ADAPT00178203

Description:

When using a command object from the repository, logon properties are ignored. The only logon properties that are not ignored are the user name and password.

New Behavior:

A change has been made to account for all logon properties, not just the user name and password.

The issue is corrected in the following component version, or later.

crdb_query.dll

9.2.1.543

06/23/2003

Problem ID # ADAPT00178174

Description:

Users who export to Microsoft Excel Data Only, from a Crystal Enterprise viewer, need to disable the Simplify Page Headers option, so that page headers are exported in full. That option is not available.

New Behavior:

A registry subkey has been added to enable or disable the Simplify Page Headers option when exporting to Microsoft Excel Data Only. The subkey is HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\SimplifyPageHeader and the acceptable values are Yes/No or True/False. When this subkey is set to "No", page headers are exported in full when exported to Microsoft Excel Data Only format.

Known Limitation:

When this key exists, it will override the Simplify Page Header option selected at schedule time in ePortfolio (in Crystal Enterprise 9.0 and higher). Also note that the Page Server and Report Job Servers (for viewer exports and scheduling) will have to be run under a domain account, to access the registry for this key.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.664	07/24/2003
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Problem ID # ADAPT00177961

Description:

Paginated text characters are added to the text file when scheduling or exporting to plain text.

New Behavior:

The problem is now fixed.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.557	07/08/2003
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Problem ID # ADAPT00177794

Description:

When creating a report and accessing an Oracle stored procedure using the Oracle 9.2.0.2 or higher ODBC driver, the user may get prompted for a cursor parameter.

New Behavior:

Changes are made such that reports using the Oracle 9.2.0.2 or greater ODBC driver to access an Oracle stored procedure will not prompt for the cursor parameter.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.631	06/22/2004
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Problem ID # ADAPT00177002

Description:

When exporting a report through the RDC, a crash occurs if the report contains a Cross-Tab with suppressed Grand Totals.

New Behavior:

The problem is now fixed.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.664	07/24/2003
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Problem ID # ADAPT00176776

Description:

When a report based on a Sybase parameterized stored procedure is viewed or scheduled, an error is returned. The error message is, "Failed to retrieve object. Crystal Report: Print engine error" when viewing on demand, and "Print engine error" when scheduling.

New Behavior:

When a report based on a Sybase parameterized stored procedure is viewed or scheduled, no error is returned. The report can be viewed and scheduled as expected.

The issue is corrected in the following component version, or later.

crdb_p2ssyb10.dll	9.2.1.168	06/24/2003
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Problem ID # ADAPT00174382

Description:

When the option "Use Indexes or Server for speed" is selected and certain selection criteria is used, it is possible that the report designer will crash.

New Behavior:

A change has been made to the indexing model to perform as expected for each type of query.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.100	07/09/2003
crdb_p2bbde.dll	9.2.1.110	07/09/2003
crdb_p2bbtrv.dll	9.2.1.102	08/13/2003
crdb_p2bxbse.dll	9.2.1.109	07/09/2003

Problem ID # ADAPT00169366

Description:

When using an Informix native connection, it takes longer to add a table to a view in Crystal Reports 9.0 than in Crystal Reports 8.5.

New Behavior:

The Crystal Reports 9 Informix native connection now returns a straight list of tables, rather than those of the view. This should increase the performance of 9.0 when adding a table.

The issue is corrected in the following component version, or later.

crdb_p2sifmx.dll	9.2.1.144	08/20/2003
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Problem ID # ADAPT00168743

Description:

Users are unable to report off a secure Paradox table using Crystal Reports 9, because the password dialog box resource does not exist in crdb_p2bbde.dll.

New Behavior:

A new password dialog box is added, and users can submit valid passwords through it to report off secure Paradox tables.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.106	10/03/2003
crdb_p2bbde.dll	9.2.1.117	10/03/2003
crdb_p2bbtrv.dll	9.2.1.106	10/03/2003
crdb_p2bxbse.dll	9.2.1.115	10/03/2003
crdb_p2s.dll	9.2.1.126	10/03/2003

Problem ID # ADAPT00167984

Description:

When Crystal Report 8.5 is based on a Crystal Dictionary, and then upgraded to Crystal Report 9, an incorrect number of records are returned.

New Behavior:

This error occurs because the tables are linked to the dictionary, and CR 8.5 does not reference tables that are not used in the report. Crystal Reports 9 now generates a SQL query that references tables not used in the report. Also, a new sorting algorithm has been implemented in the dictionary library. As a result, all records are returned, and the problem no longer occurs.

The issue is corrected in the following component version, or later.

crdb_dictionary.dll	9.2.1.96	07/09/2003
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Problem ID # ADAPT00165418

Description:

Between version 3.5 & 4.2 of its driver, the manufacturer decided the number of synonyms being returned was more than was needed. Unfortunately the manufacturer filtered out, or removed too many synonyms. As a consequence, the Data Explorer fails to display public synonyms that use database links when using the cror818.dll.

New Behavior:

The driver have been re-modified to return all usable synonyms, including public synonyms that use private database links when using the cror818.dll

Known Limitation:

Cror818.dll returns all synonyms, excluding those created or owned by SYS/SYSTEM. Synonyms that the current user does not have permission to select against may not be returned/displayed.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.621	10/23/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\AutoCommit

Type: STRING

Recognized Values: 0,1

Creation Method: Hot Fix Installation

Problem ID # ADAPT00165288

Description:

The report designer crashes when it makes a native connection to a hidden Lotus Notes database in Crystal Reports 9.

New Behavior:

The report designer now functions correctly when it makes a native connection to a hidden database.

The issue is corrected in the following component version, or later.

crdb_p2snote.dll	9.2.1.137	05/30/2003
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Problem ID # ADAPT00161192

Description:

When designing a report using a Gupta SQLBase ODBC driver, the following error is returned: "Failed to open Rowset. Details: HY000 [Gupta][ODBC][SQLBase] 00901 PRS CNE Command not properly ended."

New Behavior:

This database ODBC driver has now been added to the list of drivers that support the Oracle join syntax. This error will no longer occur.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.605	06/12/2003
querybuilder.dll	9.2.1.516	06/12/2003

Problem ID # ADAPT00160797

Description:

When exporting to Microsoft Excel 97 - 2000 Data Only in Crystal Enterprise viewers, the following options are disabled: "Maintain Column Alignment," "Export Object Formatting," and "Export Images."

New Behavior:

Users can set registry subkeys that enable those options at runtime. The new registry subkeys, "MaintainColumnAlignment", "UseFormatInDataOnly", and "ExportImagesInDataOnly", are located at: HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\
The default value for all three subkeys is blank, which allows the options to remain disabled, until each subkey is manually set.

Known Limitation:

The Page Server must be run in a domain account to have access to the CURRENT_USER registry tree, where the three new subkeys are stored. If the Job Server is run in the same domain account, the values for these options will override any of those set at schedule time for scheduled Microsoft Excel data only instances.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.666	10/16/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey:	HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\ExportImagesInDataOnly
Type:	STRING
Recognized Values:	Yes; No
Creation Method:	Hot Fix Installation
SubKey:	HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\UseFormatInDataOnly
Type:	STRING
Recognized Values:	Yes; No
Creation Method:	Hot Fix Installation
SubKey:	HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Export\Crxf_xls\MaintainColumnAlignment
Type:	STRING
Recognized Values:	Yes; No
Creation Method:	Hot Fix Installation

Problem ID # ADAPT00160196

Description:

When reporting off from ADO objects, string field lengths in the report were one character less than their actual field length that was defined in the ADO object.

New Behavior:

When calculating the length of a string field, the null terminator is now taken into proper consideration. Therefore, the field length of a string field is now accurate.

The issue is corrected in the following component version, or later.

crdb_adoplus.dll	9.2.0.29	06/17/2003
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Problem ID # ADAPT00157339

Description:

After applying the 04/01/2003 dbexdrv9pluswin_xx.zip monthly hot fix, PEGetExportOptions fails to initiate the UI when exporting to HTML format. The problematic component is crpe32.dll.

New Behavior:

The PEGetExportOptions now initiates the UI when exporting to HTML format.

The issue is corrected in the following component version, or later.

crpe32.dll	9.2.3.722	04/15/2003
u2ddisk.dll	9.2.1.543	04/15/2003

Problem ID # ADAPT00156292

Description:

When a native connection was made to an Informix database, there was a long delay when a user was bringing back a listing of objects in the database.

New Behavior:

A change has been made to allow the objects in the Informix database to return without delay when using a native connection.

The issue is corrected in the following component version, or later.

crdb_p2sifmx.dll	9.2.1.141	06/20/2003
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Problem ID # ADAPT00154650

Description:

A "Cannot open rowset" error, or a GPF is generated in Crystal Reports when creating a report from a Btrieve database version earlier than version 7. This would only occur when the directory containing tables had a space in the path (for example, ../Program Files/).

New Behavior:

The p2bbtrv.dll file has been modified to allow conversion of long file names to short file names for Btrieve versions earlier than version 7.

The issue is corrected in the following component version, or later.

p2bbtrv.dll	9.2.1.6	03/31/2003
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Problem ID # ADAPT00154062

Description:

Special characters (€,á) are displayed as incorrect characters (Ç,β) when using a native connection to a FoxPro 2.6 database. These incorrect characters are introduced during the translation of DOS strings.

New Behavior:

DOS string translation is now disabled through the following registry subkey:

HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\TranslateDOSMemos

Set the above registry subkey to "No" to disable DOS string translation.

The issue is corrected in the following component version, or later.

crdb_p2bxbse.dll	9.2.1.106	04/23/2003
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey:	HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\TranslateDOSMemos
Type:	STRING
Recognized Values:	Yes No
Default Value:	Yes
Creation Method:	Hot Fix Installation

Problem ID # ADAPT00153591

Description:

Exporting reports containing Cross-Tabs with more than one row or column to Microsoft Excel 97 - 2000 format (Page-based, not Data Only) using crxf_xls.dll causes the Report Designer to crash.

New Behavior:

The Report Designer can now successfully export reports containing Cross-Tabs with more than one row or column to Microsoft Excel 97 - 2000 format.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.662	04/25/2003
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Problem ID # ADAPT00153515

Description:

When reporting off a Relativity 4.20 Database using the reldb32.dll ODBC driver, a memo field may show data from subsequent fields in the database table in addition to the data that is from the correct database memo field. This occurs because reports receive an incorrect value for the size of the memo field from the ODBC driver.

New Behavior:

Memo field data is displayed correctly because reports now use the maximum size of the memo field as the fetching size.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.598	04/11/2003
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Problem ID # ADAPT00153424

Description:

A report containing field objects with empty values would fail to export to Microsoft Excel.

New Behavior:

When a field object in a report has no value, the encapsulation of the page is incorrect. The empty fields are still encapsulated as having data, but no data actually exists. The page modeler has been changed to interpret empty fields as strings with one space in them (" "). With this fix, reports can now be exported to Microsoft Excel successfully.

The issue is corrected in the following component version, or later.

ExportModeller.dll

9.2.1.559

03/25/2003

Problem ID # ADAPT00152623

Description:

The Print Engine did not prompt for a password when connecting to a secure Btrieve 6.15 or Pervasive 2000i database using the native Crystal Decisions driver.

New Behavior:

Changes were made to the crdb_p2bbtrv.dll such that the Print Engine will now prompt for a password when connecting to a secure Btrieve 6.15 or Pervasive 2000i database using the native Crystal Decisions driver.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll

9.2.1.97

03/25/2003

Problem ID # ADAPT00152176

Description:

When using the IBM Client Access ODBC driver to connect to a DB2 database on an AS/400 system, the prompt "The database table 'TABLENAME' cannot be found. Proceed to remove this table from the report?" would be returned. This prompt would appear with version 9.2.1.586 or later of the crdb_odbc.dll file.

New Behavior:

This prompt occurred because Crystal Reports did not expect the table name to include the catalog name from this particular ODBC driver. The crdb_odbc.dll has been modified to expect catalog names from the IBM Client Access ODBC driver.

Known Limitation:

A registry subkey has been exposed for future drivers that may or may not include the catalog name in the table name. The subkey is HKCU\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\TableMayHaveCatalog. Entering the name of the ODBC driver into the value of this subkey will enable Crystal Reports to expect the catalog names through that particular driver (in this case, the driver filename is "cwboDBC.dll"). Also, this subkey can be located in the HKLM tree with the same folder structure.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.596

03/25/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKCU\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\TableMayHaveCatalog
Type: STRING
Recognized Values: DatabaseFilename1.dll, DatabaseFilename2.dll, etc.

Creation Method: User

Problem ID # ADAPT00151517

Description:

When attempting to report from a Lawson OLE DB provider, the following errors are returned:

"Failed to open Row Set"

and

"Query Engine error: Error Code: 0x800a0bb9

Source: ADODN.Command

Description: Arguments are of the wrong type, are out of acceptable range, or are in conflict with one another."

New Behavior:

A modification was made to the command type used when reporting from a Lawson OLE DB provider. These errors should no longer be returned.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.528	03/26/2003
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Problem ID # ADAPT00151507

Description:

When attempting to view a report that has been exported to PDF format, the following errors may be returned: "There was an error processing a page. There were too many color components" or "There were too many color components."

These errors occur when the report that was exported to PDF contains a string exceeding 128 characters.

New Behavior:

A buffer pointer that was not being reset properly, when the system printed parsed strings in the export to PDF, caused the problem. The pointer is now properly reset, and the error messages should no longer appear.

The issue is corrected in the following component version, or later.

crxf_pdf.dll	9.2.1.567	03/21/2003
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Problem ID # ADAPT00151354

Description:

When exporting a specific page range from a custom application to HTML, page-range options are not being applied properly and no HTML files are generated.

New Behavior:

The page range options are now applied properly and specific page ranges export successfully to HTML.

The issue is corrected in the following component version, or later.

crxf_html.dll	9.2.1.29	04/17/2003
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Problem ID # ADAPT00150561

Description:

Reports based on Web/IIS log files display date fields incorrectly because 1900 is being subtracted from the year.

New Behavior:

Reports based on Web/IIS log files now display date fields correctly because 1900 is no longer being subtracted from the year.

The issue is corrected in the following component version, or later.

crdb_p2smsiis.dll	9.2.1.133	04/08/2003
crdb_p2swblg.dll	9.2.1.130	04/08/2003

Problem ID # ADAPT00148810

Description:

When you use a custom PC database driver, and select a table to report from, the errors "Failed to open a rowset" and "Not Implemented" appear.

New Behavior:

The system can now process tables from any custom PC database driver.

The issue is corrected in the following component version, or later.

crdb_pc.dll	9.2.1.96	03/20/2003
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Problem ID # ADAPT00148561

Description:

Reporting off stored procedures on DB2/OS390 through a native connection failed with the error message "[IBM] [CLI] [DB2] SQL4040N No function by the name 'StoredProcName' having compatible arguments was found in the function path sqlstate=42884."

New Behavior:

The connection logic has been changed to use fully qualified names. Reporting off stored procedures through a native connection to DB2/OS390 can now be performed without error.

The issue is corrected in the following component version, or later.

crdb_p2sdb2.dll	9.2.1.181	06/19/2003
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Problem ID # ADAPT00147477

Description:

The time portion of a DateTime field does not show up in a report when using the Borland Database Engine.

New Behavior:

The time portion should now show up correctly in a report that uses the Borland Database Engine (either using Database Files or IDAPI Database DLL to make the connection).

The issue is corrected in the following component version, or later.

crdb_p2bbde.dll	9.2.1.105	03/17/2003
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Problem ID # ADAPT00146098

Description:

Exporting to ODBC from Crystal Reports generates an error message if the report contains a group.

New Behavior:

A flag has been added to recognize exports to Microsoft SQL Server and Oracle ODBC data sources. This resolved the issue so that no error will occur.

The issue is corrected in the following component version, or later.

u2fodbc.dll	9.2.1.542	04/04/2003
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Problem ID # ADAPT00145675

Description:

Crystal Reports does not prompt for a user name when using a secure ODBC connection to Microsoft Access as it was designed to only support database-level security.

New Behavior:

Crystal Reports now supports user-level or database-level security for Microsoft Access, but not both concurrently.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.596

03/25/2003

Problem ID # ADAPT00145389

Description:

When reporting against file system data, some fields may not display properly. This includes, but is not limited to, author and summary info.

New Behavior:

A change has been made to determine if the source data is Unicode or MBCS and will now display the information correctly.

The issue is corrected in the following component version, or later.

crdb_filesystem.dll

9.2.1.485

05/17/2004

Problem ID # ADAPT00145238

Description:

When running a report against a proprietary database via ODBC in Crystal Reports 9, the SQL statement issued to the database was different from the SQL statement that would have been issued from Crystal Reports 8.5. This generated consistency problems between the way the report worked between Crystal Reports 8.5 and 9.

New Behavior:

The ODBC connectivity has been adjusted to allow for the same behavior in this scenario in Crystal Reports 9 as found in Crystal Reports 8.5.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.594

03/10/2003

Problem ID # ADAPT00145062

Description:

When a user scheduled a report in Crystal Enterprise using the Lawson OLE database provider, any database log on requirements would fail.

New Behavior:

The database log on procedure was modified to honor the required connection string that the Lawson OLE database provider requires. A report using the Lawson OLE provider can now be scheduled successfully.

The issue is corrected in the following component version, or later.

crdb_ado.dll

9.2.1.527

03/06/2003

Problem ID # ADAPT00145033

Description:

The Tab-Separated Value and character-Separated Value export formats in Crystal Reports and Crystal Enterprise do not repeat group names or subtotals at each row. That causes the delimited data to be improperly aligned when the data is exported to Excel.

New Behavior:

The Tab-Separated Value and Character-Separated Value export formats have been fixed so that data is now properly aligned when exported to Excel.

The issue is corrected in the following component version, or later.

u2fsepv.dll

9.2.1.32

03/28/2003

Problem ID # ADAPT00144963**Description:**

When reporting off a BIGINT field in a database, the following error messages appear, when using ODBC driver 3.0 or lower: "Failed to open a rowset."; "Query engine error - Driver does not support this parameter."; "Query engine error - Data is NULL, but no indicator variable supplied."

New Behavior:

If the ODBC driver in use is version 3.0 or lower, a BIGINT data type is correctly returned as a double.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.605	06/15/2003
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Problem ID # ADAPT00143154**Description:**

When a user exported a report to the Microsoft Excel (Data only) format, the resulting export was missing object formatting and images. Additionally, summary fields would no longer align under their respective columns.

New Behavior:

Additional functionality has been added to the Microsoft Excel (Data only) export format to enable column alignment, object formatting, and images. These options are available through the Report Designer.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.660	02/13/2003
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Problem ID # ADAPT00141795**Description:**

Date fields (both database and parameter types) displayed incorrect values in reports that were based on a PeopleSoft data source.

New Behavior:

Crystal database drivers misinterpreted the Date data type as a DateTime data type. The Crystal Reports ODBC library has been fixed to correctly recognize the Date data type from PeopleSoft data sources so that date fields are now displayed correctly in Crystal products.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.590	02/13/2003
querybuilder.dll	9.2.1.514	02/12/2003

Problem ID # ADAPT00141458**Description:**

When a user created a report from a Microsoft SQL Server stored procedure using ODBC, if the stored procedure used a parameter that was a Text data type, a blank window with the title "Enter Parameter Values" was returned when the user tried to enter the parameter value.

New Behavior:

A change has been made in the Crystal Reports ODBC driver to allow for parameters of Text type when a user reports from Microsoft SQL Server stored procedures.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.593	02/20/2003
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Problem ID # ADAPT00141245

Description:

When the "Update Repository Objects" check box is enabled, an error occurs when opening a report that was created against an SQL command in the Repository.

New Behavior:

The report will no longer return an error when the "Update Repository Objects" check box is enabled. You should verify the report to ensure that the changes in the Repository will take effect.

The issue is corrected in the following component version, or later.

crdb_query.dll	9.2.1.539	02/20/2003
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Problem ID # ADAPT00140884

Description:

When connecting to an ADO recordset at run-time, using the RDC, the filter property of the ADO recordset is ignored and all records are displayed within the report being viewed.

New Behavior:

The filter property of an ADO record set is now honoured, and only the filtered data is displayed within a report.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.545	11/03/2004
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Problem ID # ADAPT00140385

Description:

When users created a report against the tod32.dll (xfODBC) ODBC driver, a field of DATE type was brought in as a STRING type.

New Behavior:

A change has been made in the Crystal Reports ODBC driver that allows for the DATE type field to be returned properly when using the tod32.dll driver.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.593	02/20/2003
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Problem ID # ADAPT00139124

Description:

The Links tab of the Database Expert allowed cyclic links and many-to-one relationships.

New Behavior:

In the Database Expert, on the Links tab, two connection properties were added to avoid cyclic links and many-to-one links when linking by key. To activate this behavior, modify the following two registry subkeys and add the name of the database file to the subkeys. The subkeys are:

[HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC]

"AvoidCyclicSmartLinks"="database.dll"

"AvoidManyToOneSmartLinks"="database.dll"

Substitute "database.dll" with the particular database dll being used.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.586	01/13/2003
querybuilder.dll	9.2.1.512	01/13/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\database\ODBC\AvoidManyToOneSmartLinks

Type: STRING

Recognized Values: ""

Creation Method: Hot Fix Installation

SubKey: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\database\ODBC\AvoidCyclicSmartLinks

Type: STRING

Recognized Values: ""

Creation Method: Hot Fix Installation

Problem ID # ADAPT00137921

Description:

When a report is based on a Java bean data source created with forward-only cursors, no data is returned.

New Behavior:

Java bean data sources created with forward-only cursors are now valid data sources.

The issue is corrected in the following component version, or later.

crdb_JavaBeans.dll	9.2.1.53	01/30/2003
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Problem ID # ADAPT00136660

Description:

When a user connected to a parameterized stored procedure via ODBC, using Crystal Reports 9, the error message, "Not supported. Details: Cannot obtain error message from Server.", was generated when no records were returned. This error usually occurred when an invalid parameter value was used to refresh data. When a user viewed or scheduled the same report in Crystal Enterprise 9, Page Server and Job Server errors were also generated.

New Behavior:

Now when a user refreshes data in a Crystal Reports 9 report that connects via ODBC to a parameterized stored procedure, the report displays correctly when no data is returned. The error message is no longer displayed and the report preview pane shows the results of the report with no data from the stored procedure. The same report can also be scheduled or viewed on-demand successfully in Crystal Enterprise 9.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.592	02/19/2003
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Problem ID # ADAPT00136446

Description:

A report created through RAS that specifies a command table for its data source has the database password saved in the report. When viewing the report and refreshing the data, the user is not prompted for database logon credentials and the report is refreshed with new data.

New Behavior:

When a user is creating a report with RAS and then specifying a command table for its data source, the database password is no longer stored in the report file. When viewing the report and refreshing the data, the user is now prompted for database logon credentials.

The issue is corrected in the following component version, or later.

crdb_query.dll	9.2.1.534	01/10/2003
querybuilder.dll	9.2.1.512	01/10/2003

Problem ID # ADAPT00136305

Description:

In a report that uses the Sage Line 100 ODBC driver, a value of -1 in the database is returned as a value of 65,535.

New Behavior:

Crystal Reports binds tiny integer, short integer, and integer types with the integer type. Since Sage's ODBC driver does not support this behavior, the default data type is now used for binding.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.591	02/18/2003
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Problem ID # ADAPT00135527

Description:

When using Crystal Reports 9 to view or create new reports off of Crystal Reports 8.5 dictionaries that have special character aliases (such as "/" or "-"), the error "Failed to Open Rowset" will appear and the report will not generate.

New Behavior:

Crystal Reports 9 now has no difficulties viewing or making new reports off of Crystal Reports 8.5 dictionary files that have special character aliases.

The issue is corrected in the following component version, or later.

crdb_dictionary.dll	9.2.1.90	01/07/2003
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Problem ID # ADAPT00134544

Description:

When using a left function in an SQL expression within Crystal Reports 9, connecting natively to DB2 and then setting the "Use Index or Server for Speed" causes the designer to fail with a GPF.

New Behavior:

The designer will no longer cause a GPF and the data will refresh correctly.

The issue is corrected in the following component version, or later.

crdb_p2sdb2.dll	9.2.1.172	01/06/2003
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Problem ID # ADAPT00133771

Description:

An error occurs when running a PeopleSoft query if the definition of that query has been changed.

New Behavior:

When the definition of a query changes, the database driver makes sure that the required fields exist in the list of database fields.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.1.120	03/27/2003
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Problem ID # ADAPT00133405**Description:**

When a report developer creates a report based on a Btrieve database using a native connection and then distributes this report, end users of the report have access to the Btrieve data source, but do not have access to the associated DDF files. When the end user refreshes the distributed report, the error message, "Data Object cannot be opened/accessed" is returned.

New Behavior:

Distributed reports based on Btrieve data sources without associated DDF files now refresh correctly.

Known Limitation:

Note that any reports created with Crystal Reports 9 that previously returned the "Data Object cannot be opened/accessed" error message still generate that error message after this patch is applied. This patch only works for version 8.x reports or for version 9 reports created after the patch is applied.

Also note the following conditions:

If "verify" is turned on, then the DDF file must exist and contain the correct, up-to-date information.

If "verify" is turned on and the DDF file does not exist, an error will be returned.

If "verify" is turned on and the DDF file is out of date (if a field size/type is changed in the DDF file but not the MKD file, for example), unexpected behavior will occur.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.94	02/05/2003
crdb_p2bbde.dll	9.2.1.104	02/05/2003
crdb_p2bbtrv.dll	9.2.1.94	02/05/2003
crdb_p2bxbse.dll	9.2.1.103	02/05/2003
crdb_p2s.dll	9.2.1.119	02/05/2003
crdb_pc.dll	9.2.1.94	02/05/2003

Problem ID # ADAPT00133199**Description:**

When connecting to a secure Act! database, users receive a "Not Supported" message and cannot create reports.

New Behavior:

After providing logon information, users can create reports off of secure Act! databases.

The issue is corrected in the following component version, or later.

crdb_p2bact3.dll	9.2.1.92	01/21/2003
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Problem ID # ADAPT00132774**Description:**

Users are unable to report off a MYSQL database using Crystal Reports 9 and the MYSQL 3.51 ODBC driver.

New Behavior:

The ODBC driver has been modified to properly handle the MYSQL qualified names.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.600	05/01/2003
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Problem ID # ADAPT00131746

Description:

In Crystal Reports 9.0, it was no longer possible for a user to report off JD Edwards data sources via the JD Edwards ODBC driver (ODA). The problem was that the Crystal Reports ODBC library expected names to be either fully qualified, or not qualified (where fully qualified names contain both the user and the database names). JD Edwards, however, only qualifies with the environment name (the database name) and the ODBC library could not recognize such data sources.

New Behavior:

The qualifier for JD Edwards data sources has been disabled. Doing so allows reporting off JD Edwards data sources again as non-qualified names.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.590

02/13/2003

Problem ID # ADAPT00129841

Description:

Crystal Reports 9 will GPF when trying to add a table using a custom p2ir/p2b (p2bssi.dll from Softrak Systems Inc.) driver.

New Behavior:

Changes have been made so that the custom dll allocated memory is not deleted.

Known Limitation:

Linking two tables does not work unless the custom dll implements the new interface, "ConvertBrahma2Native".

The issue is corrected in the following component version, or later.

crdb_pc.dll

9.2.1.87

12/03/2002

Problem ID # ADAPT00129588

Description:

Under certain circumstances, a report may have poor query performance if there is no data filtering being done by the data source. The scenario is as follows: a Crystal Reports 9.0 report that uses a Crystal dictionary file to access its data source has a record selection formula that reduces the size of the record set being queried. This is supposed to generate a "WHERE" clause in the SQL statement that is being passed to the data source. When analyzing the SQL statement that is being passed, there is no "WHERE" clause generated. Therefore, all record filtering is being done by Crystal Reports, which can affect performance.

New Behavior:

On a Crystal Reports 9.0 report that uses a Crystal dictionary to access its data source and has a record selection formula to minimize the record selection, the "WHERE" clause is now generated as part of the SQL statement. When applicable, the record selection is now filtered at the data source.

The issue is corrected in the following component version, or later.

crdb_dictionary.dll

9.2.1.85

11/29/2002

Problem ID # ADAPT00129170

Description:

Users are unable to report off of a PostgreSQL database. A connection can be made to the database, but corrupted names will appear instead of the actual table names, and trying to use one of these tables displays a "no items found" message.

New Behavior:

The PostgreSQL uses memo as the type for table names and column names. Binding size is done in order to accommodate this change to the memo field. Users can now report off of a PostgreSQL database.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.578

11/20/2002

Problem ID # ADAPT00128334

Description:

When creating a new report in Crystal Reports 9 with custom-built Btrieve/Pervasive drivers, the following error occurs when trying to access the Btrieve database table information using the Report Creation Wizard: "Btrieve [11]: Invalid filename."

New Behavior:

Btrieve/Pervasive table information can now be accessed correctly with Crystal Reports 9 using custom-built Btrieve/Pervasive drivers. The "Btrieve [11]: Invalid filename" error no longer occurs when selecting Btrieve tables.

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll

9.2.1.88

12/06/2002

Problem ID # ADAPT00126443

Description:

An error is thrown when Crystal Reports 9 uses the MS Oracle Driver to connect to an Oracle table, if the table contains a number field with a zero after the decimal point: "Query Engine Error: '22003:[Microsoft][ODBC driver for Oracle]Error in column 1:Numeric value out of range'".

New Behavior:

The problem has been fixed.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.607

07/28/2003

Problem ID # ADAPT00126052

Description:

A "Failed to open a rowset" error is generated when attempting to open a report that has links to unknown field types.

New Behavior:

When loading an older report (Crystal Reports 8.5 and lower), unknown field types are now converted to string field types.

The issue is corrected in the following component version, or later.

crdb_pc.dll

9.2.0.85

11/18/2002

Problem ID # ADAPT00125822

Description:

Reports created in Crystal Reports 9 using crdb_odbc.dll with the Synergex proprietary driver, tod32.dll, generate ANSI 89 and ANSI 92 syntax. The vendor for tod32.dll driver has requested that Crystal Reports 9 generate pure SQL92 syntax instead of mixed SQL92 SQL89 syntax.

New Behavior:

Crystal Reports 9 now generates pure SQL92 syntax when creating reports that use crdb_odbc.dll with the Synergex proprietary driver, tod32.dll.

The issue is corrected in the following component version, or later.

querybuilder.dll

9.2.0.506

11/13/2002

Problem ID # ADAPT00125717

Description:

When exporting to text and selecting not to paginate, the user is not prompted to specify the number of characters per inch for the text layout.

New Behavior:

A flag has been set to invoke the secondary dialog box when the user elects not to paginate when exporting to text.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.554	11/27/2002
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Problem ID # ADAPT00124853

Description:

When upgrading a report from Crystal Reports 8 or 8.5 to Crystal Reports 9, certain formatting options are lost:

- 1) The number style changes from "Custom Style" to "System Default Number Format".
- 2) The "Suppress If Zero" option is cleared.
- 3) Settings on the Number tab for Rounding and Decimal are not maintained.

This also occurs when the p2sodbc.dll file in Crystal Reports 8.5 is upgraded to the most recent version.

New Behavior:

Crystal Reports now maintains all report formatting options after a report is upgraded to version 9.

Known Limitation:

If the original report contains a currency field and uses Microsoft Access as the reporting database, the user must modify a new registry subkey in Crystal Reports 9:
change HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\CurrencyAsNumber or
HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\CurrencyAsNumber to "Yes". The default setting is "No".

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.586	01/10/2003
crdb_oracle.dll	9.2.1.116	01/13/2003
querybuilder.dll	9.2.1.512	01/10/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey:	HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\CurrencyAsNumber
Type:	STRING
Recognized Values:	Yes;No
Default Value:	No
Creation Method:	Hot Fix Installation

Problem ID # ADAPT00123246

Description:

Crystal Reports is unable to retrieve data or records from Microsoft Access ODBC expression fields that are concatenated within a Microsoft Access query.

New Behavior:

Crystal Reports was returning Microsoft Access ODBC expression fields with a size of zero. This issue has now been resolved: the field size returns 64,000 of WChar for string fields if the field is detected as being zero in size.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.593

02/20/2003

Problem ID # ADAPT00122882

Description:

The tables in the FROM clause for RAS 9 queries are not in the same order as tables for RAS 8.5 queries.

New Behavior:

The tables in the FROM clause for RAS 9 queries are now arranged in an order similar to the tables for RAS 8.5 queries.

The issue is corrected in the following component version, or later.

querybuilder.dll

9.2.0.503

10/24/2002

Problem ID # ADAPT00122572

Description:

In Crystal Reports 9 Advanced, if a user has a JavaBeanClassPath registry setting that is more than 255 characters and they create a new report, when they try to access a JavaBean data source, the Java Beans Connectivity window does not show any Java Bean classes.

When opening an existing report that is based on a JavaBean data source and the JavaBeanClassPath registry is more than 255 characters, the following errors are displayed when refreshing the report data:

Query Engine Error: "Failed to find the Java Class: `JavaClassName`"

When a user clicks OK, a "Query Engine Error:" message appears.

"JavaClassName" refers to the class name for the data source.

New Behavior:

In Crystal Reports 9 Advanced, it is now possible to successfully access a JavaBean data source when the registry setting for JavaBeanClassPath is more than 255 characters.

The issue is corrected in the following component version, or later.

crdb_JavaBeans.dll

9.2.0.48

10/30/2002

Problem ID # ADAPT00118282

Description:

Exporting to HTML 3.2, or HTML 4, through the RDC using Report.Export(true) fails to prompt the user for a disk file.

New Behavior:

Exporting to HTML 3.2, or HTML 4, through the RDC using Report.Export(true) correctly prompts the user for a disk file.

The issue is corrected in the following component version, or later.

crxf_html.dll

9.2.0.28

10/23/2002

Problem ID # ADAPT00118108

Description:

When exporting multiple summarized fields from a Cross-Tab to text format in the Crystal Reports designer, many fields are missing in the resulting text file.

New Behavior:

All summarized fields from a Cross-Tab are now exported to the text file.

Known Limitation:

A registry subkey "CharPerInch" can be used to adjust the quality of the exported text file if it is from a Cross-Tab. The recommended value is between 8 and 16. The subkey is located at HKEY_CURRENT_USER\Software\Seagate Software\Crystal Reports\Export\TextExport\CharPerInch. Note: This does not apply to Crystal Reports 9.

The issue is corrected in the following component version, or later.

u2ftext.dll

9.2.1.555

12/04/2002

Problem ID # ADAPT00116719

Description:

When trying to open an old report that connects to a Pervasive database when the DDF and MKD files are in different directories, the report designer generates an error.

New Behavior:

When trying to open an old report that connects to a Pervasive database when the DDF and MKD files are in different directories, the report can now be viewed correctly.

Known Limitation:

When refreshing or creating new reports, a manual Set Location is required after the refresh. Within the top portion of this dialog box, in the Properties tab, the Data File Search Path needs to be manually updated (using F2).

The issue is corrected in the following component version, or later.

crdb_p2bbtrv.dll

9.2.0.83

11/01/2002

Problem ID # ADAPT00116137

Description:

In Microsoft Visual Basic 6 application using the Report Designer Component, reports based on hierarchical (shaped) ADO recordsets are displaying ttx sample data rather than data in recordset.

New Behavior:

This problem occurs if hierarchical rowset is not enabled. Once enabled, reports are able to successfully display data contained within hierarchical (shaped) ADO recordsets.

The issue is corrected in the following component version, or later.

crdb_ado.dll

9.2.0.517

10/03/2002

Problem ID # ADAPT00104625

Description:

The ODBC prompt in the Report Designer does not pass adequate connection information for authentication. Normally, in an ODBC prompt, the data source name, username, and password are passed to the server for authentication. In the XML database driver, an additional piece of information, the location name, is required.

New Behavior:

The problem lies in the XML database driver that requires the location name of the data source. After implementing an algorithm to enumerate a registry key to search for the location name, the ODBC prompt in Report Designer can now collect enough connection information to allow server authentication.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.0.570	09/26/2002
IVCR.LIC		09/27/2002

Problem ID # ADAPT00103975

Description:

Reports created with a version of Crystal Reports earlier than version 9.0 are saved with all the connection properties. When these reports are used in Crystal Reports 9.0, all properties are passed into the crdb_odbc.dll to construct the connection string. When there is no change in these properties, there is no problem. However, a logon failure is caused when one of the properties (the database file path) is changed.

New Behavior:

The crdb_odbc.dll now uses SQLConnect instead of SQLDriverConnect to make the connection for the best ODBC driver. SQLConnect requires only three parameters: user name, password, and DSN. Other parameters will be ignored.

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.0.567	09/05/2002
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Problem ID # ADAPT00102685

Description:

The COM driver mixes up string parameter values that are being passed to the COM provider. For example, if there are two parameters that hold values "abc" and "xyx", the memory is not handled correctly such that the resulting two parameters contain values of "xyz" and "xyz".

New Behavior:

Memory is now allocated for string parameters. The driver can now handle multiple string parameters correctly.

The issue is corrected in the following component version, or later.

crdb_com.dll	9.2.0.44	11/01/2002
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Problem ID # ADAPT00102129

Description:

When exporting a report that contains any large, dense text objects or memo fields to PDF format, the right-hand side of the objects or fields is truncated in the resulting PDF document. This problem occurs in both Crystal Reports 9.0 and Crystal Reports .NET.

New Behavior:

The method of retrieving font metrics for text objects was the cause of this problem. The method has been modified such that it retrieves a slightly smaller font size which, in turn, enables the text to fit within the text object.

The issue is corrected in the following component version, or later.

crxf_pdf.dll	9.2.1.566	02/03/2003
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Problem ID # ADAPT00101203

Description:

Reporting off complicated data sets causes a memory leak to occur. For example, a complex data set could consist of: DataRelations, DataTables, and CollectionChangeEventHandler event handlers.

New Behavior:

Data sets are now reset and disposed of properly so that a memory leak does not happen.

The issue is corrected in the following component version, or later.

crdb_adoplus.dll	9.2.0.28	03/03/2003
CrystalDecisions.CrystalReports.Engin e.dll	9.2.9466.11	03/03/2003

Problem ID # ADAPT00100601

Description:

Reports containing Cross-Tabs with various levels of suppression in the column headers fail to export to "Microsoft Excel Data Only" format in Crystal Reports. Additionally, these same reports would generate a Page Server error when scheduled to "Microsoft Excel Data Only" format in Crystal Enterprise.

New Behavior:

Reports with Cross-Tabs now export as expected to Microsoft Excel Data Only format in Crystal Reports, and when scheduled in Crystal Enterprise.

The issue is corrected in the following component version, or later.

crxf_xls.dll	9.2.1.661	02/25/2003
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Problem ID # ADAPT00100465

Description:

Crystal Reports 9 hangs or generates a GPF when exporting a text object with multiple paragraphs to Text format. Even if the export completes successfully, there are undefined characters in the resulting text file.

New Behavior:

Crystal Reports 9 now detects an infinite loop caused by the last new line character and completes the exporting task in the above scenario.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.0.551	09/26/2002
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Problem ID # ADAPT00098955

Description:

SQL expressions based on timestamp (datetime) in DB2 are shown incorrectly as dates instead of datetimes.

New Behavior:

The problem is that datetime expression fields are changed to date type in DB2. In keeping the datetime data type, the value of datetime is now shown correctly.

The issue is corrected in the following component version, or later.

crdb_p2sdb2.dll	9.2.0.151	08/07/2002
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Problem ID # ADAPT00098950

Description:

Tables and field names in DB2 are not automatically encapsulated in quotes in the SQL expression editor.

New Behavior:

The functions SQLGetQuoteCharInfoFromServer and SQLFreeQuoteCharInfoFromServer have been enabled for DB2, so table and field names are now automatically encapsulated in quotes.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.0.97	08/06/2002
crdb_p2sdb2.dll	9.2.0.151	08/07/2002

Problem ID # ADAPT00098941**Description:**

Crystal Reports fails to return the correct data when reporting on a SQL expression and more than one table.

New Behavior:

The previous P2s interface expects only the last table to have the readSpecialFields flag set to True in Extendable Options if there are expression fields and other special fields. It was set to True for all tables when there were expression fields. Now, only the last table's readSpecialFields flag is set to True in Extendable Options. As a result, expressions and special fields with linked tables are handled properly.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.0.97	08/06/2002
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Problem ID # ADAPT00097701**Description:**

When the table name or schema name is mixed-case or lower-case, an error message notifies the user about an unidentified name when he or she creates a SQL expression field on any table. The SQL Expression Editor does not quote the table or field name by default. For DB2, Informix, and Sybase, the fully qualified names are not passed down to the driver for ParseSQLExpression. For DB2, in the the SQL Expression Editor, the table and field names are not automatically quoted; moreover, if the user entered quoted names, the SQL Expression Editor could not create or check errors for expression fields.

New Behavior:

In DB2, Informix, and Sybase, the fully qualified table name is passed down instead of just the table name, such that a proper SQL statement referring to the fully qualified name is now created and sent to server for parsing. For DB2, table names and field names in the expert are automatically quoted. Also, for DB2, the SQLGetQuoteCharInfoFromServer and SQLFreeQuoteCharInfoFromServer functions have been enabled.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.0.97	08/06/2002
crdb_p2sdb2.dll	9.2.0.151	08/07/2002
crdb_p2sifmx.dll	9.2.0.115	08/02/2002
crdb_p2ssyb10.dll	9.2.0.137	08/02/2002

Problem ID # ADAPT00097594**Description:**

In Crystal Reports 9.0, report data is not refreshed if the report was created in Crystal Reports 8.5 off a DB2 database through a native connection. To handle asynchronous querying, the DB2 thread runs SQL in asynchronous mode, which could run into a race condition with CRQE's background thread. This is actually true of any native connection to a secure database.

New Behavior:

The asynchronous querying mode for DB2 has been disabled so no thread is created in the DB2 native driver. If a report is set to process the query asynchronously, it will continue to run properly, even though the query is not actually run asynchronously.

The issue is corrected in the following component version, or later.

crdb_p2s.dll	9.2.0.97	08/06/2002
crdb_p2sdb2.dll	9.2.0.151	08/07/2002

Problem ID # ADAPT00097486**Description:**

Custom applications that utilize u2ftext.dll display data using the default format found in the regional settings of the local computer, instead of using the data format stored in the database.

New Behavior:

The u2ftext.dll component no longer resets the current program locale to the default system locale. This alleviates any problems with data format in custom applications that utilize the u2ftext.dll component.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.0.551	09/26/2002
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Problem ID # ADAPT00097217

Description:

Pre-version 9 reports containing an expression field cannot be refreshed. Also, any new reports containing an expression field and based on an Oracle database cannot be created.

New Behavior:

The problem is caused by the mixed case letters in tables. Old Oracle reports containing an expression field can now be refreshed and new reports containing expression fields can be created successfully.

The issue is corrected in the following component version, or later.

crdb_oracle.dll	9.2.0.101	07/29/2002
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Problem ID # ADAPT00087752

Description:

When exporting a report to PDF format, the fonts in the PDF become randomly disorganized and misapplied when the report exceeds a certain number of fonts and pages.

The problem is caused by the font index size, which is too small to accommodate large PDF exports. PDF exports can reach 10,000 pages, before distortions in formatting occur.

New Behavior:

The font index size has been increased to allow large PDF exports, those over 10,000 pages long, to retain proper formatting.

The issue is corrected in the following component version, or later.

ExportModeller.dll	9.2.1.564	10/14/2003
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Problem ID # ADAPT00069084

Description:

When using the Crystal Oracle Native driver and selecting remote link synonyms that refer to other servers, an error is thrown: "Unknown Query Engine Error." On Crystal Oracle ODBC Driver 4.10, the remote link synonym does not display.

The problem is caused by a limitation in the Oracle transparent gateway. When in auto-commit mode, the OCI layer issues a commit after each SQL call, which exposes the fetch-across-commit limitation. The solution is to not use auto-commit, but rather enter into manual-commit mode.

New Behavior:

New registry keys have been added to disable auto-commit, and thus enable manual-commit mode:

HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\AutoCommit

HKEY_CURRENT_USER\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\ODBC\AutoCommit

To switch from auto-commit to manual-commit mode, change the string "AutoCommit" to have a value of "0".

The issue is corrected in the following component version, or later.

crdb_odbc.dll	9.2.1.621	10/23/2003
crdb_oracle.dll	9.2.1.124	09/02/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\ODBC \AutoCommit
Type: STRING
Recognized Values: 0,1
Creation Method: Hot Fix Installation

Problem ID # ADAPT00047213

Description:

When exporting to plain or paginated text from the Report Design Components (RDC) or Crystal Enterprise, there is no way to set the characters per inch (CPI) for the text output.

New Behavior:

Exporting from the Report Design Components (RDC):

Users can now use code to set the characters per inch when exporting to text.

Upon export from the RDC, two text properties are now added: "UseDefaultCharactersPerInch" and "UserDefinedCharactersPerInch".

When using CRPE, the new functions are called "UseDefaultCPI" and "UserDefinedCPI".

To enable this behavior in Crystal Reports 8.5, you must change the value of the new registry entry "Prompt Again", under HKEY_CURRENT_USER\Software\Seagate Software\Crystal Reports\Export\TextExport. Set the value to "1".

Exporting from Crystal Enterprise:

Unix:

To set the characters per inch for Crystal Enterprise on UNIX, run the following command, and choose the desired value:

```
$crystalldir/enterprise/generic/configpatch.sh adapt47213.cf
```

(where \$crystalldir is the crystal enterprise installation directory).

Windows:

To set the characters per inch for Crystal Enterprise on Windows, set the following registry entry to the desired value:

For Crystal Enterprise 8.5: HKEY_CURRENT_USER\Software\Seagate Software\Crystal Reports\Export\TextExport\CharPerInch.

For Crystal Enterprise 9.0: HKEY_CURRENT_USER\Software\Crystal Decisions\9.0\Crystal Reports\Export\TextExport\CharPerInch.

Known Limitation:

1.) The Local Service System account does not have access to the correct registry hive; therefore, if the Local Service System account runs the Crystal Report Job Server service, you must switch to an account that has access to the updated registry hive.

2.) If Crystal Reports is installed on the same machine as the Job Server, and uses the same account as the Job Server, any changes made to the value of the "CharPerInch" registry entry through the Report Designer user interface will also affect the Job Server. To avoid this situation, use a different user account to install Crystal Reports.

The issue is corrected in the following component version, or later.

u2ftext.dll

9.2.1.556

05/13/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_CURRENT_USER\Crystal Decisions\9.0\Crystal Reports\Export\TextExport
Type: DWORD
Recognized Values: 8,9,10,11,12,13,14,15,16
Default Value: 9
Creation Method: Hot Fix Installation

Problem ID # ADAPT00010926

Description:

Exporting to text format adds a leading space at the front of the text.

New Behavior:

The text formatting rule has been modified to avoid the inclusion of extra spaces.

The issue is corrected in the following component version, or later.

u2ftext.dll	9.2.1.555	12/11/2002
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ENHANCEMENTS

Problem ID # ADAPT00273664

Description:

The Pervasive Btrieve data type, LongVarChar, is not supported in Crystal Reports 9.0. This type is stored as 4 bytes length + 4 bytes offset. The driver copies eight bytes to the buffer that cannot be displayed.

New Behavior:

The driver has been modified to be able to decode 4 bytes length + 4 bytes offset properly.

Known Limitation:

A maximum of 32767 characters will be displayed in Crystal Reports from a Pervasive Btrieve LongVarChar data type.

The issue is corrected in the following component version, or later.

p2bbtrv.dll	9.2.1.10	04/28/2004
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Problem ID # ADAPT00262459

Description:

When users report off a DB2 data source, Crystal Reports generates incorrect SQL for reports that contain Date type fields in the selection formula. This error reduces performance on the DB2 query.

New Behavior:

This issue is resolved.

The issue is corrected in the following component version, or later.

crdb_p2sdb2.dll	9.2.1.194	03/01/2004
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Problem ID # ADAPT00226405

Description:

When exporting a report to HTML or previewing in the DHTML viewer (including the Interactive/Advanced viewer), content formatted with HTML syntax is not interpreted as valid HTML. Instead, all such content is interpreted as plain text. This behaviour existed in previous versions of Crystal Reports, but was removed for security reasons.

New Behavior:

The functionality to export and view field objects as HTML is configurable via the registry in Crystal Reports and Crystal Enterprise version 9.0 and 10.0. Note that this functionality is only for field objects (i.e.: database fields, formula fields, etc.), not text objects. The registry information is as follows:

To enable HTML interpretation of field objects in the DHTML viewer (and Interactive viewer) in Crystal Enterprise 9.0, set the following subkey to a value of "No":
[HKLM\Software\Crystal Decisions\9.0\Report App\Viewer\EncodeHTMLForSingleLineFieldObjects]. The default value is "Yes".

To enable HTML interpretation of field objects when exporting to HTML format from Crystal Reports 9.0, set the following subkey to a value of "no" (case-sensitive):
[HKLM\Software\Crystal Decisions\9.0\Crystal Reports\Export\HTML\EncodeHTMLForSingleLineFieldObjects]. The default value is "Yes".

To enable HTML interpretation of field objects in the DHTML viewer (and Interactive viewer) in Crystal Enterprise 10.0, set the following subkey to a value of "No":
[HKLM\Software\Crystal Decisions\10.0\Components\Viewer\EncodeHTMLForSingleLineFieldObjects]. The default value is "Yes".

To enable HTML interpretation of field objects when exporting to HTML format from Crystal Reports 10.0, set the following subkey to a value of "no" (case-sensitive):
[HKLM\Software\Crystal Decisions\10.0\Crystal Reports\Export\HTML\EncodeHTMLForSingleLineFieldObjects]. The default value is "Yes".

Known Limitation:

In Crystal Reports 8, you could embed script tags and other HTML tags into your reports to allow the creation of DHTML items in the output of the DHTML Viewer. To improve security, the default behavior in Crystal Reports 9.0 and 10.0 is to convert HTML to safe text. At your own risk, you can enable the registry keys for HTML embedding behavior. Please read the article at <http://www.net-security.org/article.php?id=596> to understand the implications of not encoding all HTML output from Crystal Reports.

The issue is corrected in the following component version, or later.

crxf_html.dll	9.2.1.31	10/08/2004
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The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey:	HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Export\HTML\EncodeHTMLForSingleLineFieldObjects
Type:	STRING
Recognized Values:	Yes; no
Default Value:	Yes
Creation Method:	Hot Fix Installation

Problem ID # ADAPT00208684

Description:

When refreshing reports that are based on PeopleSoft data in CR 9.0, the Crystal Reports UI is used for logon rather than the PeopleSoft UI.

New Behavior:

This problem is resolved.

Known Limitation:

Newly created reports still use the Crystal Reports UI logon. To use the PeopleSoft UI, the report must be saved, closed, and reopened.

The issue is corrected in the following component version, or later.

crdb_odbc.dll

9.2.1.620

10/20/2003

Problem ID # ADAPT00182038

Description:

Option required in Crystal Reports 9 to not allow quotes in SQL Statements.

New Behavior:

A registry string value called "NoQuotes" has been added: HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\QueryBuilder\NameBuilder. This string should be created in lists drivers that do not support quoting of identifiers in SQL statements.

Known Limitation:

Fields with spaces contained within them require quotes; therefore, set the value to allow quotes.

The issue is corrected in the following component version, or later.

querybuilder.dll

9.2.1.518

07/23/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\QueryBuilder\NameBuilder
Type: STRING
Recognized Values: "Any Database Driver (ie. ODBCJT32.DLL,SQLSRV32.DLL)"
Creation Method: Hot Fix Installation

Problem ID # ADAPT00181063

Description:

Several Enhancements have been made to CRDB_JAVABEANS driver & JVM Manager.

New Behavior:

i) Added a new registry value for JVM options. This registry value is optional, and is to be created manually by the user. The value is called: JVMOptions, and it should be created in:

HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports. This value can contain a list of options, separated with semi-colons. For example:-Xmx20000000;-Xms10000000. The -Djava.class.path is set automatically, and should not be set through the JVMOptions registry value. The maximum number of options including -Djava.class.path is currently 20. Extra options will be ignored.

ii) The following values are taken and appended to the class path used to initialize JVM:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Environment\CLASSPATH and HKEY_CURRENT_USER\Environment\CLASSPATH and HKEY_LOCAL_MACHINE\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\Database\JavaBeansClassPath. Users must ensure that the JAR file required by their Java bean is stored on the system or user CLASSPATH environment variable.

iii) The driver has been made to be multi-thread safe.

The issue is corrected in the following component version, or later.

crdb_JavaBeans.dll	9.2.1.56	07/16/2003
JVMMManager.dll	9.2.1.10	07/17/2003

The following registry keys also apply to this patch:

WARNING: Using the Registry Editor can cause serious problems that may require reinstalling the operating system. Crystal Decisions is not responsible for any problems resulting from using the Windows Registry Editor; use it at your own risk. Crystal Decisions recommends that you back up the registry before you edit it.

SubKey: HKEY_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\JVMOptions
Type: STRING
Recognized Values: Options for the Java Virtual Machine, separated by a semi-colon (eg. -Xmx20000000;-Xms10000000)
Creation Method: User

Problem ID # ADAPT00180218

Description:

Crystal reports that use query, Dictionary or Info View files as data sources cannot be published in the Crystal Enterprise environment.

New Behavior:

Crystal Reports customers have been provided the ability to utilize the reports that they have designed using queries and Dictionaries in Crystal Enterprise. Please read the "Crystal Query and Dictionary Support" document for more details.

The issue is corrected in the following component version, or later.

crdb_dictionary.dll	9.2.1.94	06/20/2003
crdb_oracle.dll	9.2.1.120	06/20/2003
crdb_query.dll	9.2.1.542	06/20/2003
crpe32.dll	9.2.3.785	06/20/2003
crqe.dll	9.2.1.610	06/02/2003
crw32.exe	9.2.3.785	06/20/2003
p2ixbse.dll	8.0.100.1	06/20/2003

Problem ID # ADAPT00155041

Description:

There is no support for the legacy NonStop ODBC/MP driver, Tdmsrv32.dll. Correct Outer Join syntax needs to be added for this driver.

New Behavior:

The correct SQL syntax, Sql2OuterJoin, has been added to the Lotus Notes join build list. Outer Join syntax for the legacy NonStop ODBC/MP Driver is now supported as well as the existing support for the NonStop ODBC/MX Driver.

The issue is corrected in the following component version, or later.

querybuilder.dll	9.2.1.515	04/15/2003
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Problem ID # ADAPT00151680

Description:

Parameters from selection criteria are not passed to the Lawson OLEDB driver.

New Behavior:

This problem is resolved.

The issue is corrected in the following component version, or later.

crdb_ado.dll	9.2.1.529	05/29/2003
crpe32.dll	9.2.3.764	05/26/2003
crqe.dll	9.2.1.616	11/05/2003
crw32.exe	9.2.3.764	05/26/2003

Problem ID # ADAPT00142360

Description:

The native Crystal Reports database driver for Oracle did not allow external authentication (using the Microsoft Windows username and password) to the Oracle Server.

New Behavior:

An enhancement has been made to the native Crystal Reports database driver for Oracle to allow external authentication. Now, whenever an Oracle-based report's username and password are detected as being blank, the driver will try the username and password that is currently logged on in Windows.

The issue is corrected in the following component version, or later.

crdb_oracle.dll	9.2.1.119	04/15/2003
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