

## Crystal Reports 9.0 Main Program Files Patch

Hot Fix: cr90mainwin\_en.zip

Language: English

Platform: Windows

Last updated on: 11/4/2004

FTP Location: [ftp://ftp1.businessobjects.com/outgoing/EHF/cr90mainwin\\_en.zip](ftp://ftp1.businessobjects.com/outgoing/EHF/cr90mainwin_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 cqw32.exe is 8.0.0.9 dated 08/18/2003  
The latest version of crpe32.dll is 9.2.3.1256 dated 10/15/2004  
The latest version of crqe.dll is 9.2.1.625 dated 08/03/2004  
The latest version of crw32.exe is 9.2.3.1256 dated 10/15/2004  
The latest version of dtsagent.dll is 9.2.2.651 dated 05/02/2004  
The latest version of EnterpriseFramework.dll is 9.0.1.259 dated 09/30/2003  
The latest version of filedialog.dll is 9.2.2.484 dated 11/06/2003  
The latest version of gdiplus.dll is 5.1.3102.1360 dated 05/04/2004  
The latest version of JVMManager.dll is 9.2.1.10 dated 07/17/2003  
The latest version of PageObjectModel.dll is 9.2.2.346 dated 06/15/2003  
The latest version of querybuilder.dll is 9.2.1.523 dated 01/08/2004  
The latest version of rptcontrollers.dll is 9.2.2.468 dated 10/21/2003  
The latest version of SeagateDialogs.dll is 8.5.5.22 dated 10/31/2002  
The latest version of secldap.dll is 9.0.1.403 dated 02/25/2004  
The latest version of secLDAP.msi is dated 02/25/2004  
The latest version of secWinAD.dll is 9.0.1.412 dated 03/05/2004  
The latest version of sscsdk80.dll is 2.3.6.20 dated 05/25/2004

## DEFECTS

### Problem ID # ADAPT00343164

#### Description:

A security vulnerability has been identified in the GDI+ JPEG processing component by staff at Microsoft. This vulnerability could potentially permit remote code execution to take place on an affected system. This problem affects Crystal Reports Developer and Advanced editions, Crystal Enterprise, Live Office, and Crystal Reports .Net merge modules.

#### New Behavior:

This patch updates the GDI+ JPEG processing component with a secure version that is provided by Microsoft Corporation.

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

gdiplus.dll	5.1.3102.1360	05/04/2004
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### Problem ID # ADAPT00324522

#### Description:

Saved-data reports containing subreports with and without shared variables will prompt for the data source when exported to any record-based export format (e.g.: Microsoft Excel (Data Only), Text, Separated Values, etc.). When attempting to export a successful report instance in Crystal Enterprise, the error message, "Error retrieving data from the server: Not enough memory for operation." is returned instead.

#### New Behavior:

The state of shared variables was cached before they were evaluated and were not making use of the data saved with the report. The problem is resolved.

#### Known Limitation:

Reports with subreports in the Page Header and Footer sections utilizing shared variables may have unpredictable results when exported to a record-based format. This is generally not recommended and will have limited support.

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

craxddrt9.dll	9.2.3.1256	10/15/2004
craxdrt9.dll	9.2.3.1256	10/15/2004
crpe32.dll	9.2.3.1256	10/15/2004
crw32.exe	9.2.3.1256	10/15/2004

### Problem ID # ADAPT00317149

#### Description:

If users run an older OLAP report, and then immediately re-save it, the data is lost.

#### New Behavior:

This problem is resolved.

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

crw32.exe	9.2.3.1177	07/28/2004
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### Problem ID # ADAPT00311348

#### Description:

The performance of the Crystal Enterprise Solution Kit for Baan has decreased considerably from version 8.5.

The performance slowdown is caused by a bottleneck that is created when queries to the Baan system are run only in asynchronous mode.

**New Behavior:**

To resolve this issue, queries to the Baan system are executed both synchronously and asynchronously.

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

crpe32.dll	9.2.3.1171	07/22/2004
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**Problem ID # ADAPT00303424**

**Description:**

A text record in a cross tab may become improperly truncated.

The cause of the problem is that the correct break point is not found.

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.1157	07/08/2004
crw32.exe	9.2.3.1157	07/08/2004

**Problem ID # ADAPT00299202**

**Description:**

In the Crystal Reports Database Expert, the "Add Command" option is not the first node under "Current Connections."

**New Behavior:**

Tables are now added after "Add Command," to ensure that it is the first node under "Current Connections."

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

crw32.exe	9.2.3.1132	06/13/2004
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**Problem ID # ADAPT00299172**

**Description:**

A report that is based off a SQL Server-stored procedure will return an error when a Set Location is performed to another stored procedure that is different from the one in the report. The error reads: "One or more fields could not be found in the result set. Use Verify Database to update the report."

The cause of the problem is that the report does not prompt for parameter values in the newly stored procedure.

**New Behavior:**

This problem is resolved.

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

crw32.exe	9.2.3.1132	06/13/2004
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**Problem ID # ADAPT00299165**

**Description:**

In Crystal Reports, under certain conditions, a duplicate of the record may appear after a page break.

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.1177	07/28/2004
crw32.exe	9.2.3.1177	07/28/2004

**Problem ID # ADAPT00287971**

**Description:**

After adding or editing an input parameter to a Hierarchical OLEDB query (Chaptered rowset), an error message appears when the parameterized Hierarchical Query is saved. The error reads "Failed to open a rowset."

**New Behavior:**

Parameters can now be added to a Hierarchical/Chaptered OLEDB query when using Crystal Reports and OLE DB providers, such as Lawson OLEDB Query Builder.

**Known Limitation:**

After users save the query and return to the Database Expert, they must initialize all parameter default values so that the initial query produces a non-empty rowset. Crystal Reports requires a non-empty parent rowset to build child rowset schema information for the hierarchical query. An empty result set during editing still results in the error "Failed to open rowset."

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

crqe.dll	9.2.1.622	05/24/2004
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**Problem ID # ADAPT00287664**

**Description:**

In a cross-tab report in Crystal Reports 9.0, data in a heading field will wrap when it shouldn't. Data in the same report in Crystal Reports 8.5 will not wrap.

**New Behavior:**

Rather than have text in a Cross-Tab Report wrap in Crystal Reports 9.0, the text is reformatted to a size that fits the label without wrapping.

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

crpe32.dll	9.2.3.1116	05/24/2004
crw32.exe	9.2.3.1116	05/24/2004

**Problem ID # ADAPT00286419**

**Description:**

Application of ras90win\_xx.zip hotfix dated 04/22/04 results in "Operation Not Yet Implemented" error when running ASP pages.

**New Behavior:**

A redundant creation of a table was causing the error. To resolve the issue, the print engine checks for an existing table first.

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

crpe32.dll	9.2.3.1098	05/06/2004
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**Problem ID # ADAPT00283852**

**Description:**

Data in formula fields are not exported to Excel.

**New Behavior:**

The Crystal Report Print Engine does not cache spilled formula fields correctly. This problem is fixed.

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

crpe32.dll	9.2.3.1154	07/05/2004
crw32.exe	9.2.3.1154	07/05/2004

**Problem ID # ADAPT00282264**

**Description:**

When the viewer property, IsSeparatePages, is set to false and the report is based on a secure database requiring logon information, the report cannot be viewed through the DHTML viewer.

**New Behavior:**

A report based off a secure database can be successfully viewed with the DHTML viewer after the logic for report pages iteration on Report Application Server is corrected.

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

dtsagent.dll	9.2.2.651	05/02/2004
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**Problem ID # ADAPT00281929**

**Description:**

When there are multiple subreport instances, second-pass crosstabs in subreports show wrong data.

The cause of the problem is that data in multiple subreport grids fails to be saved.

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.1137	06/18/2004
crw32.exe	9.2.3.1137	06/18/2004

**Problem ID # ADAPT00281799**

**Description:**

When reporting from a command object in a report, when the report field names in the SQL statement are built off a parameter, and the current data source is not the default data source (for example, the custom database properties were changed on the Database tab in the Crystal Management Console), the report fails to be viewed or published.

The problem occurs because, under those circumstances, the report uses parameters as part of the field names in the SQL statement.

**New Behavior:**

This problem is resolved.

**Known Limitation:**

This fix works only between the same database drivers. For example, the database driver cannot be changed from ODBC to native Oracle, because the Command syntax will be different.

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

crpe32.dll	9.2.3.1075	04/15/2004
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**Problem ID # ADAPT00281243****Description:**

Values for on-demand formulas may be inconsistent with values for print-time formulas. This problem may occur when users export or schedule reports to a Text format.

The cause of the problem is that records are not cycled when users go from the Details section to the Group Footer section, and then make changes to a formula within the Group Footer section. The print-time formulas become re-evaluated; however, the on-demand formulas retain their state. That inconsistency may cause incorrect values in the export, because the export relies on the print-time formula values.

**New Behavior:**

On-demand print-time formulas are forced to be re-evaluated when print-time formulas are re-evaluated.

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

craxddrt9.dll	9.2.3.1086	04/27/2004
craxdrt9.dll	9.2.3.1086	04/27/2004
crpe32.dll	9.2.3.1086	04/27/2004
crw32.exe	9.2.3.1086	04/27/2004

**Problem ID # ADAPT00276662****Description:**

Crystal Reports GPFs when a report contains a suppressed subreport using a total page count that is cut across page breaks.

The crash occurs because Crystal Reports is trying to update the total page count.

**New Behavior:**

If a subreport is suppressed, there is no need to update its total page count or its formula state because it will not be seen. Crystal Reports no longer tries to update the total page count on suppressed subreports.

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

craxddrt9.dll	9.2.3.1074	04/14/2004
craxdrt9.dll	9.2.3.1074	04/14/2004
crpe32.dll	9.2.3.1074	04/14/2004
crw32.exe	9.2.3.1074	04/14/2004

**Problem ID # ADAPT00272955****Description:**

When users open a report that has been created in Crystal Reports 8.5 and that has manually-added specified groups in Crystal Reports 9 or higher, the application terminates unexpectedly.

The group-value converting code in Crystal Reports 9 does not accommodate the method that is used in Crystal Reports 8.5.

**New Behavior:**

This problem is resolved.

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

craxddrt9.dll	9.2.3.1102	05/10/2004
craxdrt9.dll	9.2.3.1102	05/10/2004
crpe32.dll	9.2.3.1102	05/10/2004
crw32.exe	9.2.3.1102	05/10/2004

**Problem ID # ADAPT00271611**

**Description:**

A numerical axis chart does not show the correct label when Dec 31, 2003 is entered as a value for the X-axis. A value of "37986" is displayed instead.

The cause of the problem is that an incorrect DateTime format is displayed for any raw date value that is a multiple of the number of days in four years.

**New Behavior:**

A new case is added to the algorithm that extracts the day, month, and year from a long value to correct this behavior. This case handles correctly the date of December 31.

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

sscsdk80.dll

2.3.6.19

05/14/2004

**Problem ID # ADAPT00269370**

**Description:**

Performance degradation occurs when refreshing reports created in Crystal version 8.5 products in version 9.

**New Behavior:**

The way the Query Engine performs cross-data joins is improved. Also, the selection criteria when both AND and OR arguments are involved is corrected in the Siebel Solution Kit driver.

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

crqe.dll

9.2.1.623

06/22/2004

**Problem ID # ADAPT00268959**

**Description:**

When changing the order of parameters in the Field Explorer Window under the list of Parameter fields, the order will not be saved if the report is saved, closed and then reopened. The parameter order is always listed alphabetically.

**New Behavior:**

You can now modify the order of parameters within a command object. The position/order of the parameters can be moved & saved. The parameters will remain in their new position/order when the report is closed and reopened.

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

craxddrt9.dll

9.2.3.1068

04/08/2004

craxdr9.dll

9.2.3.1068

04/08/2004

crpe32.dll

9.2.3.1068

04/08/2004

crw32.exe

9.2.3.1068

04/08/2004

**Problem ID # ADAPT00264401**

**Description:**

Pre-version 10 clients cannot connect to a version 10 Crystal Management Server using Windows AD authentication. This is due to the way version 10 stores and interprets the Windows AD authentication type. In version 10, it is stored as an enum field. Prior to version 10, it was stored as a string field.

**New Behavior:**

A version check is done before interpreting the authentication type in order to determine how it should be read.

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

secWinAD.dll

9.0.1.412

03/05/2004

**Problem ID # ADAPT00262857****Description:**

When using the Baan Solution Kit driver to generate a report, the report designer crashes if the user tries to edit default parameter values.

The report designer crashes because the display settings for the table and field include descriptions paired with names. The matching fails and causes the designer to crash.

**New Behavior:**

Table and field descriptions are now ignored during comparison.

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

crw32.exe

9.2.3.1040

03/08/2004

**Problem ID # ADAPT00262773****Description:**

Pre-version 10 clients cannot connect to a version 10 Crystal Management Server using LDAP authentication. This is due to the way version 10 stores and interprets the LDAP authentication type. In version 10, it is stored as an enum field. Prior to version 10, it was stored as a string field.

**New Behavior:**

A version check is done before interpreting the authentication type in order to determine how it should be read.

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

secldap.dll

9.0.1.403

02/25/2004

secLDAP.msi

02/25/2004

**Problem ID # ADAPT00262294****Description:**

A text box at the bottom of page with no space to show a single line of text will start on the following page but the first line will be lost.

**New Behavior:**

A check is implemented to validate the number of lines to ensure the cut of text is accurate to avoid the any data lost.

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

crw32.exe

9.2.3.1040

03/08/2004

**Problem ID # ADAPT00262235****Description:**

When users export a report, which contains subreports that use shared variables, to any record-based format (e.g.: Microsoft Excel, Text, etc.), the subreport prompts for the data source. Or, when exporting a successful instance of such a report through a viewer in Crystal Enterprise, the first export fails.

The problem is that the cached variable state is not retrieved properly when exporting subreports to record-based formats.

**New Behavior:**

A new method of mapping formula states has been introduced for all record-based export formats. This problem is resolved.



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

craxddrt9.dll	9.2.3.1073	04/13/2004
craxdrt9.dll	9.2.3.1073	04/13/2004
crpe32.dll	9.2.3.1073	04/13/2004
crw32.exe	9.2.3.1073	04/13/2004

#### Problem ID # ADAPT00261709

##### Description:

When applying a report template to a report, the auto-text check boxes of the Chart Expert text tab are checked, even though the report template was saved with the check boxes unchecked. This happens with applying report templates through the RAS SDK.

##### New Behavior:

The issue is resolved.

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

crpe32.dll	9.2.3.1037	03/05/2004
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#### Problem ID # ADAPT00258586

##### Description:

The Report Designer crashes when a report contains a text object that stretches over two pages. This problem occurs when the Keep Together option is set.

##### New Behavior:

This problem is resolved.

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

craxddrt9.dll	9.2.3.1050	03/18/2004
craxdrt9.dll	9.2.3.1050	03/18/2004
crw32.exe	9.2.3.1041	03/09/2004

#### Problem ID # ADAPT00253783

##### Description:

When using the RAS SDK (version 9.0) to set the table location for a subreport in a .Net application, the following error appears: "Invalid Table Number." This error occurs after applying a dtsagent.dll version 9.2.2.483 or later. This is not a problem in version 10.

The cause of the problem in version 9.0 is that the RAS SDK checks the fully qualified table name of the subreport against the unqualified table name of the subreport. This behavior was implemented as a fix to ADAPT 210483.

##### New Behavior:

This problem is resolved and remains a fix for ADAPT 210483.

For the Report Application Server version 10, this fix is included to prevent this error from occurring under different circumstances.

##### Known Limitation:

Partially qualified table names in the subreport may not map correctly when set in code. It is suggested to use either fully qualified table names or unqualified table names.

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

dtsagent.dll	9.2.2.559	01/28/2004
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**Problem ID # ADAPT00251603****Description:**

Processing a report that contains a blank memo field within a subreport may cause Crystal Reports to exit memory.

**New Behavior:**

The issue was caused by memory that had not been initialized. This has been identified and corrected.

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

craxddrt9.dll	9.2.3.1132	06/13/2004
craxdrt9.dll	9.2.3.1132	06/13/2004
crpe32.dll	9.2.3.1132	06/13/2004
crw32.exe	9.2.3.1132	06/13/2004

**Problem ID # ADAPT00251596****Description:**

In the DHTML viewer, charts go missing when users change the chart type and save the view twice.

**New Behavior:**

This problem is resolved.

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

sscsdk80.dll	2.3.6.18	02/02/2004
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**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 # ADAPT00232744****Description:**

When a Cross-Tab report is viewed on demand within Crystal Enterprise over the Java or ActiveX Viewers, the Page Server returns the report with incomplete data.

The problem is caused by a calculation that is performed on the cell range of data to fetch. If the cells are empty when this calculation is performed, placeholder values are used. The Print Engine does not distinguish between placeholder values and real values; therefore, after the calculation is done, the Print Engine returns the placeholder value, which is incomplete data.

**New Behavior:**

The Print Engine checks for placeholders when performing the cell range calculation. If placeholders are detected, then the data is not flagged as complete. This change allows the Page Server to return the same set of complete data that the Job Server produces when the report is scheduled.

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

crpe32.dll

9.2.3.1008

02/02/2004

#### Problem ID # ADAPT00232687

##### Description:

Parameter lengths exceeding 296 characters causes Advanced Version of Crystal Report Application Server to hang when using Java SDK. The cause is a memory corruption when string is copied to a buffer that is not big enough.

##### New Behavior:

The string buffer size is determined by the number of parameters. The problem is resolved.

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

crpe32.dll

9.2.3.1015

02/12/2004

#### Problem ID # ADAPT00232595

##### Description:

When users schedule within Crystal Enterprise with a Generic/Text Only Printer Driver, the following error appears: "Invalid printer specified." When printing to the same driver from Crystal Reports, no print job is sent to the printer spool.

##### New Behavior:

This issue is resolved.

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

craxdrt9.dll

9.2.3.1074

04/14/2004

crpe32.dll

9.2.3.1040

03/08/2004

crw32.exe

9.2.3.1040

03/08/2004

#### Problem ID # ADAPT00232534

##### Description:

When a Corel image (.dsf) is placed in Crystal Reports 9, the image is incorrectly handled as a bitmap and not a metafile, which affects how the image is viewed and printed.

##### New Behavior:

This problem is resolved.

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

crpe32.dll

9.2.3.992

01/14/2004

#### Problem ID # ADAPT00230548

##### Description:

The currency symbol formula does not accept string values and incorrectly expects number values.

##### New Behavior:

The currency symbol formula accepts string values and no longer accepts number values.

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

craxddrt9.dll	9.2.3.970	12/23/2003
crw32.exe	9.2.3.970	12/23/2003

#### Problem ID # ADAPT00230106

##### Description:

When users format a currency field and specify a currency symbol in the currency page of the custom style sheet, leading or trailing spaces are ignored and discarded.

Users control placement of the currency symbol, for placement before or after the currency value, by the setting the position value in the Currency Symbol dialog box.

##### New Behavior:

This problem is resolved.

##### Known Limitation:

This fix to honor the leading and trailing spaces is to support languages whose currency symbol follows the currency value.

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

craxddrt9.dll	9.2.3.1102	05/10/2004
crw32.exe	9.2.3.1116	05/24/2004

#### Problem ID # ADAPT00228861

##### Description:

When using RAS to create a new report from an existing DB2 report, the following error message appears: "Error in file UNKNOWN.RPT: The table could not be found. Number: -2147482939 Source: RptControllers.dll."

The cause of the problem is that the table name, rather than the fully qualified name, is used to retrieve data.

##### New Behavior:

This problem is resolved.

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

dtsagent.dll	9.2.2.532	12/29/2003
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#### Problem ID # ADAPT00228777

##### Description:

When an 'OEM report' (a report created with an 'OEM content creator' keycode) is opened in Crystal Reports when the SAP toolbar is not installed/loaded, it is considered read-only; in the UI, all tools that enable users to modify reports are disabled.

The cause of the problem is that the report is opened in "OEM mode", which disables the modification tool.

##### New Behavior:

If the SAP toolbar is not installed/loaded when an 'OEM report' is opened, 'OEM mode' is switched off and all modification UI is enabled.

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

crw32.exe	9.2.3.957	12/09/2003
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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 # ADAPT00227534****Description:**

When performing a Set Location in Crystal Reports 9, the report designer always refers to the original filename of the .dat file when the report is first created. The user cannot point the location to another .dat file with a different filename.

**New Behavior:**

A new property "File Name" is added in table properties under the report's data source. This can be changed if the user wants to point the report to a different .dat file, when using Btrieve connection.

**Known Limitation:**

This new property does not work with Verify Database, because it is reset once the user decides to verify. The user may also want to disable the option of "Verify On First Refresh."

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

crw32.exe	9.2.3.964	12/17/2003
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**Problem ID # ADAPT00223846****Description:**

OLAP reports that are designed with automatic totals do not show the automatic totals when published and viewed in Crystal Enterprise.

**New Behavior:**

This problem is resolved.

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

craxddrt9.dll	9.2.3.990	01/12/2004
craxdrt9.dll	9.2.3.990	01/12/2004
crpe32.dll	9.2.3.990	01/12/2004
crw32.exe	9.2.3.990	01/12/2004

**Problem ID # ADAPT00219958****Description:**

The series labels of 3D Riser and 3D Surface charts are either overlapping or out of position when rotated, and they are longer than usual. The cause of the problem is that the text on the X or Y-axis of a 3D chart is rotated around the wrong point.

New Behavior:

The text rotates from the top left or top right corner, to fix the problem.

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

sscsdk80.dll

2.3.6.17

12/04/2003

**Problem ID # ADAPT00219956**

Description:

When verifying the database on a report that is based on a native Btrieve connection, no message dialog is returned.

Crystal Reports misinterprets a message from the native driver that says no changes have occurred in the database.

New Behavior:

Crystal Reports presents an up-to-date dialog box when this particular message is received from the native driver.

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

crw32.exe

9.2.3.921

11/06/2003

**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 # ADAPT00218814**

Description:

Passing an ADO recordset to a report in a VB application causes a crash.  
Data fields in the DataSet are mapped incorrectly. This causes the crash.

New Behavior:

The link mapping to the report has been corrected.

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

craxddrt9.dll

9.2.3.918

11/03/2003

craxdrt9.dll

9.2.3.918

11/03/2003

crpe32.dll

9.2.3.918

11/03/2003

**Problem ID # ADAPT00217754**

Description:

When a report that is based on a command is published to Crystal Enterprise and previewed, an error message is returned, if the database logon information is changed. The error message is: "The table could not be found."

**New Behavior:**

Crystal Enterprise allows users to preview the report when database logon information has changed.

**Known Limitation:**

This fix works only between the same database drivers. For example, the database driver cannot be changed from ODBC to native Oracle, because the Command syntax will be different.

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

crpe32.dll	9.2.3.1073	04/13/2004
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**Problem ID # ADAPT00216477**

**Description:**

When viewing reports that maintain parameters in subreports, the Report Application Server (installed on a stand-alone machine) prompts twice for the parameters. This problem only occurs with rptcontrollers.dll versions 9.2.2.255 to 9.2.2.447.

**New Behavior:**

The problem is resolved.

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

rptcontrollers.dll	9.2.2.468	10/21/2003
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**Problem ID # ADAPT00216467**

**Description:**

If the user closes Crystal Reports while a report is loading, the system crashes.  
The crash occurs when the report engine is closed while still in operation.

**New Behavior:**

The fix includes a check to ensure that the report engine has time to finish its operation before Crystal Reports is closed.

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

crpe32.dll	9.2.3.893	10/09/2003
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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 # ADAPT00214552

##### Description:

Data is missing from certain rows when using the latest version of crpe32.dll

##### New Behavior:

This issue is resolved.

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

crpe32.dll	9.2.3.905	10/21/2003
crw32.exe	9.2.3.905	10/21/2003

#### Problem ID # ADAPT00214064

##### Description:

In the Crystal Report Designer, database schema does not appear in the "Set Database Location" dialog box.

##### New Behavior:

Database schema is displayed in the "Set Database Location" dialog box, as a qualifier under the table properties.

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

craxddrt9.dll	9.2.3.945	11/27/2003
crw32.exe	10.0.5.613	03/02/2004
crw32.exe	9.2.3.945	11/27/2003

#### Problem ID # ADAPT00212276

##### Description:

When a report contains subreports that are imported through UNC paths, the report is slow to open when the network connection is down.

Crystal Reports checks to see if the UNC pathname exists, before it checks to see if the user wants to re-import the subreport. This causes an unnecessary delay in opening the report.

##### New Behavior:

The order of operations when opening a report is reversed: the new algorithm checks the pathname after the user chooses to re-import.

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

craxddrt9.dll	9.2.3.950	12/02/2003
crpe32.dll	9.2.3.950	12/02/2003
crw32.exe	9.2.3.950	12/02/2003

#### Problem ID # ADAPT00211402

##### Description:



Crystal Reports 9 crashes when reporting off complex Crystal Query files.  
Complex Crystal Query files often contain more than 40,000 characters. The larger number of characters create an overflow in the memory allocator, and causes the crash.

**New Behavior:**

The type of the memory allocator function has been changed from 16-bit to 32-bit. This problem is resolved.

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

craxddrt9.dll	9.2.3.899	10/15/2003
craxdrt9.dll	9.2.3.899	10/15/2003
crpe32.dll	9.2.3.899	10/15/2003
crw32.exe	9.2.3.899	10/15/2003

**Problem ID # ADAPT00210423**

**Description:**

The Crystal Enterprise 9.0 RAS SDK automatically alters a qualified table name to contain a prefix, without being explicitly instructed to do so. It also overrides a saved table prefix that has been specified.

**New Behavior:**

The qualified table name property in Crystal Reports has been exposed through CRPE. This enables the Report Application Server to set the overridden qualified name to the fully qualified table name in the report.

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

crpe32.dll	9.2.3.920	11/05/2003
dtsagent.dll	9.2.2.483	11/05/2003

**Problem ID # ADAPT00209010**

**Description:**

Leading or trailing spaces on string parameter values are trimmed when the parameter is created. The result is that no spaces appear between strings.

**New Behavior:**

The code for trimming leading or trailing spaces in parameter values has been removed to allow spaces in parameters.

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

craxddrt9.dll	9.2.3.891	10/07/2003
craxdrt9.dll	9.2.3.891	10/07/2003
crw32.exe	9.2.3.893	10/09/2003

**Problem ID # ADAPT00209007**

**Description:**

When trying to schedule or view a report on-demand in Crystal Enterprise 9, after all parameters are set and grouping on server is turned on, the following error appears: "The request could not be submitted for background processing. File xxxxxxxxx.rpt Unable to retrieve object."

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.939	11/21/2003
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**Problem ID # ADAPT00206726**

**Description:**

An error occurs in Crystal Reports 9 when the users opens certain reports, clicks the Design tab, and then clicks the Preview tab. This occurs with reports designed in Crystal Reports 8.5 that are based off a dictionary file.

The problem is caused by an internal function that evaluates on-demand formulas, which incorrectly sets the print state.

**New Behavior:**

This problem is resolved.

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

craxdrt9.dll	9.2.3.884	09/30/2003
crpe32.dll	9.2.3.884	09/30/2003
crw32.exe	9.2.3.884	09/30/2003

**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 # ADAPT00200683****Description:**

Adding a running total as a summarized field to a Cross-Tab causes some rows in the table to disappear.

**New Behavior:**

This problem is resolved.

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

crw32.exe	9.2.3.921	11/06/2003
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**Problem ID # ADAPT00199835****Description:**

A report containing a chart object cannot be saved, after the chart object's summary field has been modified through RAS.

The method of saving modifications to chart object does not properly update other dependant fields when the summary field is changed.

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.872	09/18/2003
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**Problem ID # ADAPT00198986****Description:**

Unicode characters on string fields are not processed with correct HTML Interpretation.

When strings are passed to the HTML converter in the code page, the interpreter attempts to handle the strings in UTF8. This creates problems, if the string contains characters that look like UTF8 encoding.

**New Behavior:**

Strings are now converted to UTF8 before they are passed to the HTML converter. All unicode characters are now shown correctly.

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

crw32.exe

9.2.3.857

09/03/2003

**Problem ID # ADAPT00198483****Description:**

When using the ReportClientDocument.Open method, the report waits for an OLEDB timeout when the original report's OLEDB data source is not found. This can cause errors or delays in viewing.

**New Behavior:**

When using the ReportClientDocument.Open method, the report should view quickly.

**Known Limitation:**

To enable this fix, the user must disable caching, by setting a registry key 0. The registry key comes standard with Crystal Reports 9.0, and is located at: HKEY\_LOCAL\_MACHINE\SOFTWARE\CRYSTAL DECISIONS\9.0\REPORT APP\SERVER\PrintJobsCacheMaxNumOfObject.

Also, this patch will only work with RAS version 9.2.

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

dtsagent.dll

9.2.2.434

09/17/2003

**Problem ID # ADAPT00197809****Description:**

When decimal numbers are stored as binary numbers, they are not always properly rounded.

The problem is that numbers are not rounded when formatted from three decimals to two decimals. For example, a decimal value of 0.915 may become 0.914999999976 when stored as a binary number. This value is formatted as 0.915 when rounded to three decimal places. When rounded to two decimal places, the number is formatted as 0.91, rather than 0.92.

**New Behavior:**

Numbers are rounded to 15 significant digits before being rounded for formatting. This resolves the problem.

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

crpe32.dll

9.2.3.893

10/09/2003

crw32.exe

9.2.3.893

10/09/2003

**Problem ID # ADAPT00197609****Description:**

In the RAS SDK, after the user modifies a Top-N chart in a report, and then saves the report, the chart is no longer Top-N. The chart should only change from Top-N when the chart definition is modified.

The cause of the problem is that, when saving a modified chart, the RAS SDK removes and replaces all of the chart information, including the chart definition. The system reads the chart definition as modified, and then changes the chart from being Top-N.

**New Behavior:**

With this fix, RAS will no longer change the chart from being Top-N, unless the user changes the chart definition.

**Known Limitation:**

Changing a condition field will still cause a loss of the Top-N information, because the chart definition object lacks the necessary Top-N information interface.

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

crpe32.dll	9.2.3.872	09/18/2003
dtsagent.dll	9.2.2.434	09/17/2003

**Problem ID # ADAPT00197602****Description:**

Parameter value descriptions are lost when a parameter is modified with RAS SDK.

**New Behavior:**

To avoid this problem, set the default value description in CReportHandler::setParameterFieldValueInfo.

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

dtsagent.dll	9.2.2.425	09/08/2003
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**Problem ID # ADAPT00197108****Description:**

When connecting to a SAP server that is configured for SNC, the password field in the Crystal Reports designer is enabled, which may cause issues.

**New Behavior:**

This problem is resolved.

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

crw32.exe	9.2.3.857	09/03/2003
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**Problem ID # ADAPT00196115****Description:**

When Crystal Reports 9.0 and Crystal Reports 10.0 are installed on the same machine, Crystal Reports 9.0 can no longer connect to Crystal Enterprise 9.0.

The cause of this loss in connection is that CE 9.0 and CE 10 both use the same program ID. Because CE 10 is newer, CE 9.0 attempts to connect to Crystal Reports 10 first, but will always fail.

**New Behavior:**

The program IDs for each SDK allows Crystal Reports to differentiate between the two versions and connect to the correct one.

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

apscon.dll	9.2.2.484	11/06/2003
clientdoc.dll	9.2.2.634	04/14/2004
filedialog.dll	9.2.2.484	11/06/2003
sacommlayer.dll	9.2.2.634	04/14/2004
sacorbadapter.dll	9.2.2.634	04/14/2004

**Problem ID # ADAPT00195217**

**Description:**

When a Crystal Reports .NET application is deployed to Windows 98/ME, the application causes a system crash as it dynamically selects and prints to a network printer at runtime.

This problem is caused by a limitation of Windows 98/ME. Windows 98/ME does not allow applications to dynamically select and print to network printers.

**New Behavior:**

Although the application cannot dynamically select and print to network printers, the system no longer crashes. Instead, an exception error is displayed.

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

crpe32.dll	9.2.3.876	09/22/2003
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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 # 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 # ADAPT00191747****Description:**

When users upgrade reports from Solution Kit 2.5 to Crystal Enterprise Solutions Kit for Baan 9.0, the driver maps unsuccessfully, and then throws an error.

The problem is caused by an error in the mapping code.

**New Behavior:**

This problem is resolved.

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

crpe32.dll	9.2.3.880	09/26/2003
crw32.exe	9.2.3.880	09/26/2003

#### Problem ID # ADAPT00191286

##### Description:

If a report contains a formula error and is published to the BW server, the system hangs rather than display the appropriate error message.

##### New Behavior:

This problem is resolved.

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

craxdrt9.dll	9.2.3.843	08/20/2003
crpe32.dll	9.2.3.844	08/21/2003
crw32.exe	9.2.3.850	08/27/2003

#### Problem ID # ADAPT00190754

##### Description:

Unable to open a report in CE Enhanced SAP Edition 9, installed with installation disk 1 on a machine running Crystal Reports 9 (CR9).

The problem is rooted in the Dynamic Data Exchange (DDE). The SAP toolbar takes longer to initialize in CR9, and this delay causes the DDE message to be lost. Without the proper message, the DDE is unable to open the report.

##### New Behavior:

The toolbar is now created only after the DDE functions have been initialized. This problem is resolved.

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

crw32.exe	9.2.3.850	08/27/2003
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#### Problem ID # ADAPT00190526

##### Description:

The stop button must be clicked twice to stop formatting a report in the viewer.

This behavior is caused by the search feature not being cancelled. When navigating from the group tree to search for a record, no check is performed to see if the search has been cancelled. If the search is cancelled, the current page tries to print anyway, and this triggers an additional attempt to format.

##### New Behavior:

When the search is cancelled, it is cancelled immediately.

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

crpe32.dll	9.2.3.845	08/22/2003
crpe32.dll	9.2.3.893	10/09/2003

#### Problem ID # ADAPT00190454

##### Description:

If Show Labels is checked in a Cross-Tab, when the user exports to Excel 97-2000 or Excel 97-2000 Data Only, the export fails within Crystal Enterprise and Crystal Reports. This happens only on Windows 2000 or older.

New Behavior:

This problem is resolved.

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

crpe32.dll	9.2.3.858	09/04/2003
crw32.exe	9.2.3.858	09/04/2003

**Problem ID # ADAPT00187406**

Description:

When a report has the underlay feature enabled, it does not work properly with sections below the underlay that are conditionally suppressed.

New Behavior:

Fixed the algorithm on how to calculate the bottom of the section, when all the sections in between are suppressed. With the fix, the underlay feature works as expected.

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

crpe32.dll	9.2.3.816	07/24/2003
crw32.exe	9.2.3.816	07/24/2003

**Problem ID # ADAPT00186858**

Description:

When viewing a report that contains command table, the database connections are not released.

New Behavior:

By default, the rowset was being saved, which prevented release of the database connection. A registry key has been added that can be set to determine whether the rowset should be saved.

Registry key:

[HKEY\_LOCAL\_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Database]  
"AllowSaveRowsetToFetchingData"="No"

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

crqe.dll	9.2.1.612	07/22/2003
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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_LOCAL_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Database\AllowSaveRowsetToFetchingData
Type:	STRING
Recognized Values:	Yes;No
Default Value:	Yes
Creation Method:	Hot Fix Installation

**Problem ID # ADAPT00186749**

Description:

When attempting to open and refresh a query that has a selection in the SQL based off of a user-defined expression, the Query Designer may crash.

New Behavior:

This problem is resolved.

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

cqw32.exe

8.0.0.9

08/18/2003

#### Problem ID # ADAPT00186336

##### Description:

The PEDeleteText API in CRPE does not correctly delete the substring of the target string.

##### New Behavior:

The start and end positions of the substring to delete follows 0-based indexing into the target string. If the start and end positions of the substring are 0, then the helper function deletes the first character in the target string. If the end position is past the end of the target string, the entire target string is deleted.

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

crpe32.dll

9.2.3.809

07/17/2003

#### Problem ID # ADAPT00186261

##### Description:

A "Memory Full" error is generated when five or more threads are exported.

Exhausted GDI resources cause this problem. The total number of GDI objects that are available to all Windows applications is limited.

##### New Behavior:

To reduce the number of GDI objects used when exporting threads, GDI font objects are no longer created. The rationale is that no export dll uses GDI font objects. The problem is resolved.

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

crpe32.dll

9.2.3.844

08/21/2003

#### Problem ID # ADAPT00185943

##### Description:

Report that uses the RAS SDK fails to save, after a chart within the report has been modified.

##### New Behavior:

A validation error when saving the report has been resolved.

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

crpe32.dll

9.2.3.818

07/26/2003

#### Problem ID # ADAPT00185314

##### Description:

When loading the SAP toolbar in Crystal Reports 9, the designer may crash.

##### New Behavior:

The Crystal Reports 9 designer should no longer crash when loading the SAP toolbar.

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

crw32.exe

9.2.3.816

07/24/2003

#### Problem ID # ADAPT00182924



Description:

When saving reports that contain zero-use count fields, a CRPE query engine error (707) is returned. Zero-use count fields are unused database fields, which should be removed when the report is saved, to avoid throwing an error message.

New Behavior:

New code allows these invalid fields to be ignored when the report is saved.

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

crpe32.dll	9.2.3.823	07/31/2003
crw32.exe	9.2.3.823	07/31/2003

Problem ID # ADAPT00180472

Description:

The description fields for a report that was designed in Crystal Reports 8.5 may be truncated, if the report is viewed in Crystal Reports 9. This problem is more serious for users who have reports packaged by an application that does not allow users to adjust the size of fields in the reports.

In a related problem, fields are not truncated when the "Can Grow" feature is disabled. If the user exports a report to HTML from Crystal Reports, or views their report through the DHTML, Java, or ActiveX Viewer in Crystal Enterprise, the setting for the "Can Grow" feature is ignored; the field grows to accommodate the full length of the string.

New Behavior:

Field descriptions are no longer truncated.

Known Limitation:

When viewing, sometimes a string field is split at a dash "-" or parentheses "(" if the length of text is larger than its encompassing <div> tag width. This means that any text with dashes or parentheses that should be truncated will have the string wrapped to the next line instead; strings that are wrapped are not truncated. In that case, the solution is to widen the field.

Also, the "Can Grow" feature does not work with numeric fields; numeric fields accommodate the full length of the number.

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

craxddrt9.dll	9.2.3.944	11/26/2003
craxdrt9.dll	9.2.3.944	11/26/2003
crpe32.dll	9.2.3.944	11/26/2003
crw32.exe	9.2.3.944	11/26/2003

**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\SavedData\TruncateClippedFieldStrings
Type:	STRING
Recognized Values:	Yes; No
Default Value:	No
Creation Method:	Software

Problem ID # ADAPT00178836

Description:

When using the Enterprise option to open a report (that was previously saved to CE) in the designer, the original NULL settings for the parameters are lost.

**New Behavior:**

This problem is resolved.

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

crw32.exe

9.2.3.842

08/19/2003

**Problem ID # ADAPT00176566**

**Description:**

When using a selection formulae such as "Field < X and Field <> Y", if Y is greater than X, Crystal Reports crashes.

**New Behavior:**

The problem is now fixed.

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

craxddrt9.dll

9.2.3.814

07/22/2003

craxdrt9.dll

9.2.3.814

07/22/2003

crw32.exe

9.2.3.814

07/22/2003

**Problem ID # ADAPT00176367**

**Description:**

When viewing an ADO report over the RAS COM SDK, the data in the BLOB fields fail to appear, and are left blank. No error message is displayed to alert the user to this problem.

**New Behavior:**

This problem is resolved.

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

datadefmodel.dll

9.2.2.447

09/30/2003

rptcontrollers.dll

9.2.2.447

09/30/2003

**Problem ID # ADAPT00175452**

**Description:**

In reports, dates that are based on a DB2 table through ODBC, and have a date field with a value of 01/01/0001 (default value for NULL in DB2), are returned as 1/1/2001 in Crystal Reports 9.0 or higher. In Crystal Reports 8.5, the same report works successfully and its date is returned as 1/1/1.

The cause of the problem is that the date structure in CR 9.0 or higher has a lower bound of January 01, 100 AD. So, 01/01/0001 cannot be recognized as a valid value.

**New Behavior:**

The year is temporarily increased by the number of years (100 or multiples of 100), and then it is decreased by the same number of years when the date is converted to DateTime.

**Known Limitation:**

Users must install the latest version of crw32.exe and crqe.dll, and then create a registry key to HKEY\_CURRENT\_USER or HKEY\_LOCAL\_MACHINE as follows: Software\Crystal Decisions\9.0 or 10.0\Crystal Reports\Database\NumberOfYearToShift=100 or multiples of 100 as a String value. The patch does not create the registry key.

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

craxddrt9.dll	9.2.3.1183	08/03/2004
craxdrt9.dll	9.2.3.1183	08/03/2004
crpe32.dll	9.2.3.1183	08/03/2004
crqe.dll	9.2.1.625	08/03/2004
crw32.exe	9.2.3.1183	08/03/2004

#### Problem ID # ADAPT00175408

##### Description:

On Microsoft Windows NT4 operating systems, hyperlinks longer than 259 characters in a report were being truncated.

##### New Behavior:

Hyperlinks are no longer truncated on Windows NT4 operating systems.

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

craxddrt9.dll	9.2.3.794	07/01/2003
craxdrt9.dll	9.2.3.794	07/01/2003
crpe32.dll	9.2.3.794	07/01/2003
crw32.exe	9.2.3.794	07/01/2003

#### Problem ID # ADAPT00174745

##### Description:

When designing a report, if a dimension name containing spaces is moved from Slice to Page, the error, "The table 'xxxx\_\_\_\_\_xxxx' could not be found" is generated.

##### New Behavior:

No error is generated when a dimension name containing spaces is moved from Slice to Page.

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

crw32.exe	9.2.3.781	06/13/2003
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#### Problem ID # ADAPT00172471

##### Description:

When opening a report with a cross-tab or chart, occasionally the default titles are truncated and do not display correctly.

##### New Behavior:

The problem is resolved.

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

crw32.exe	9.2.3.899	10/15/2003
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#### Problem ID # ADAPT00171684

##### Description:

When you change the location of a table at runtime, the procedures that are stored in the database execute, although they have parameter values that are "null".

##### New Behavior:

The RDC logic now does not verify ADO recordsets, or execute procedures that are stored with parameter values that are "null". The problem has been fixed.

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

craxddrt9.dll	9.2.3.765	05/27/2003
craxdrt9.dll	9.2.3.765	05/27/2003
crpe32.dll	9.2.3.764	05/26/2003
crqe.dll	9.2.1.606	05/23/2003
crw32.exe	9.2.3.765	05/27/2003

#### Problem ID # ADAPT00167771

##### Description:

The Crystal Enterprise Add-In for Microsoft Excel causes a rare, intermittent access violation in Microsoft Excel XP.

##### New Behavior:

The access violations were caused by a particular function not containing the proper null terminators. This issue has been fixed and the access violations no longer occur.

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

filedialog.dll	9.2.2.340	06/09/2003
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#### Problem ID # ADAPT00167576

##### Description:

Customized map layers cannot be saved in the Report Designer and Report Designer Component.

##### New Behavior:

The sequence of saving customization in map layers is corrected. Users can now save changes in map layers properly in the Report Designer and Report Designer Component.

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

craxdrt9.dll	9.2.3.772	06/03/2003
crpe32.dll	9.2.3.772	06/03/2003
crw32.exe	9.2.3.772	06/03/2003

#### Problem ID # ADAPT00167206

##### Description:

If a report contains repository items and the report is refreshed, any repository items that are located within a subreport are not updated. However, the repository items in the main report are updated.

##### New Behavior:

A change has been made to allow the repository to update objects in subreports as well as objects in the main report.

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

craxddrt9.dll	9.2.3.787	06/22/2003
craxdrt9.dll	9.2.3.787	06/22/2003
crpe32.dll	9.2.3.787	06/22/2003
crw32.exe	9.2.3.787	06/22/2003

#### Problem ID # ADAPT00167140

##### Description:

When you use the CRPE method PEOutputToWindow to display a report in a viewer window, an export to disk from that window does not prompt you for a save location. This occurs after applying the latest version of crpe32.dll (9.2.3.745) and u2ddisk.dll (9.2.1.543) only.

#### New Behavior:

The PEOutputToWindow method now automatically sets the PESetAllowPromptDialog method to "True". This enables the extra dialog prompts when you export to any format from the viewer window.

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

crpe32.dll

9.2.3.764

05/26/2003

#### Problem ID # ADAPT00164331

#### Description:

When you create a report that is based on an SQL Command and another table, and link the SQL Command and the other table, an error appears the first time the report is refreshed. Any subsequent refreshes do not generate the error, and return the data as expected.

#### New Behavior:

This issue has been fixed.

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

crqe.dll

9.2.1.610

06/02/2003

#### Problem ID # ADAPT00164136

#### Description:

When using the RDC to pass an ADO record set to a report based on a TTX file, the fields from the record set are mapped to the report by name instead of by index. Consequently, the fields in the record set must have the exact same names as the fields in the report structure. If a field name in the report does not match a field name in the record set, the field is removed from the report.

#### New Behavior:

When using the RDC to pass an ADO record set to a report based on a TTX file, the fields from the record set are mapped to the report by name. However, if the all field names in the record set do not match any of the field names in the report, then the fields are mapped by position. If one of the field names in the record set matches any one of the field names in the report then all fields are mapped by name. In a mixed situation the mapping is done by name and any fields that did not match would be dropped from the report.

To disable field name mapping completely and use position field mapping, set the following registry subkey value to "Yes":

HKEY\_CURRENT\_USER\Software\CrystalDecisions\9.0\Crystal Reports Designer  
Component\DatabaseOptions\MapFieldsByOrdinalForAttachedRecordset

#### Known Limitation:

- 1) If the field name method is used for mapping, all record set fields must use this method.
- 2) The report field headings are not replaced with the associated field names from the ADO record set.

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

craxddrt9.dll

9.2.3.738

04/30/2003

craxdrt9.dll

9.2.3.738

04/30/2003

crpe32.dll

9.2.3.738

04/30/2003

crw32.exe

9.2.3.738

04/30/2003

**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 Designer  
Component\DatabaseOptions\MapFieldsByOrdinalForAttachedRecordset  
Type: STRING  
Recognized Values: No, Yes  
Default Value: No  
Creation Method: Hot Fix Installation

**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 # ADAPT00159780**

**Description:**

When the system refreshes data without being re-prompted, it retains the database parameter values between runs. When the system is re-prompted for new parameter values, it loses all database parameters values that were entered previously.

**New Behavior:**

When a data refresh re-prompts the system for database parameters, all the database parameters are pre-populated with the parameters that were last entered.

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

crw32.exe	9.2.3.766	05/28/2003
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**Problem ID # ADAPT00159777**

**Description:**

When creating a report that references optional parameters in a data source, the parameter value does not default to NULL.

**New Behavior:**

Parameter values now default to NULL when connecting to a data source that has optional parameters.

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

crw32.exe	9.2.3.778	06/10/2003
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**Problem ID # ADAPT00159773**

**Description:**

At the first data refresh of a new report, the system skips the initial value that is entered for a database parameter.

#### New Behavior:

The system now uses the initial value that is entered in the database parameter dialog box, at the first data refresh of the report.

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

crw32.exe

9.2.3.766

05/28/2003

#### Problem ID # ADAPT00159344

#### Description:

Several Print Engine calls (such as PEGetSQLQuery, PESETSQLQuery, PEGetNthFormula, PEGetNthFormula, PEGetGroupCondition, and PEGetGroupCondition) are handling Unicode strings incorrectly, thereby causing incorrect translation.

#### New Behavior:

The logic to translate Unicode strings is modified so that all the Print Engine calls now handle Unicode string translations properly.

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

crpe32.dll

9.2.3.737

04/29/2003

crw32.exe

9.2.3.737

04/29/2003

global32.bas

04/29/2003

#### Problem ID # ADAPT00159338

#### Description:

When a page formatter that uses placeholder objects encounters a placeholder that interrupts it (such as a subreport or a cross-tab), it continues to format further sections of the page. This behavior can create problems. For example, if the subreport or cross-tab object shares values that are used in the report, the sub-report or Cross Tab may modify those values in the report; therefore, the values that the page formatter changes may be invalid.

The page formatter also attempts to format the page footer, even when interrupted by a subreport or Cross-Tab. It also attempts to format the page header, when the report header is very large, but leaves enough room to fit the page header.

#### New Behavior:

The page formatter no longer formats the page footer when interrupted by a placeholder object (subreport or Cross-Tab).

#### Known Limitation:

This fix restricts page formatting not only on the footer of the report, but also on the entire report. The page formatter no longer formats any report that contains subreports or cross-tabs.

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

crpe32.dll

8.5.3.954

05/08/2003

#### Problem ID # ADAPT00157512

#### Description:

The administrator cannot specify a port for the client software to communicate on, when the user connects to Crystal Enterprise through Crystal Reports from behind a firewall. This can lead to an unexpected program termination. Furthermore, using the -requestport switch on the Crystal Enterprise components has no effect on what port the client software attempts to communicate on.

#### New Behavior:

Two registry values control the port range that the client application may use to attempt to connect to Crystal Enterprise.

By default, the subkeys are (where 0 allows the system to pick a port):

RequestPortLower (DWORD) 0

RequestPortUpper (DWORD) 65536

Note that the default values do not affect how the applications communicate with Crystal Enterprise. To allow for proper communication with Crystal Enterprise from behind a firewall, adjust the decimal values to coincide with the ports that your Network Administrator has opened on your firewall.

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

EnterpriseFramework.dll

9.0.1.259

09/30/2003

***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\CER\RequestPortUpper

Type: DWORD

Recognized Values: 0 through 65536

Default Value: 65536

Creation Method: Software

SubKey: HKEY\_LOCAL\_MACHINE\SOFTWARE\Crystal  
Decisions\9.0\CER\RequestPortLower

Type: DWORD

Recognized Values: 0 through 65536

Default Value: 0

Creation Method: Software

**Problem ID # ADAPT00157480**

**Description:**

When using the version 9 RDC and a TTX file, variant fields from ADO recordsets are converted to strings, rather than to field types belonging to the TTX file.

**New Behavior:**

This problem is resolved.

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

craxddrt9.dll

9.2.3.733

04/25/2003

craxdrt9.dll

9.2.3.733

04/25/2003

crpe32.dll

9.2.3.733

04/25/2003

crw32.exe

9.2.3.733

04/25/2003

***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: HKEY\_CURRENT\_USER\Software\Crystal Decisions\9.0\Crystal Reports Designer  
Component\DatabaseOptions\DontVerifyAttachedRecordset

Type: STRING

Recognized Values: Yes and No

Default Value: No

Creation Method: Hot Fix Installation

**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 # ADAPT00156101**

**Description:**

Attempting to set the location of a Pervasive database table using the PEGetNthTableLocation method results in runtime errors.

**New Behavior:**

Setting the location of Pervasive tables using the PEGetNthTableLocation method now works correctly.

**Known Limitation:**

Two report options and one global option must be disabled for this feature to work properly.

The report options must be disabled on the report level and can be disabled through the Crystal Reports UI or through code.

To disable the options through Crystal Reports, on the File menu, click Report Options. Under the "General Settings" section, uncheck the "Verify on First Refresh" and "Verify Stored Procedures on First Refresh" options.

To disable these options through code, set the following properties of the PEReportOptions object:

```
PEReportOptions.verifyOnEveryPrint = PEFALSE;  
PEReportOptions.verifyStoredProceduresOnFirstRefresh = PEFALSE;
```

To set the appropriate global option through Crystal Reports, on the File menu, click Options and then click the Database tab. In the Advanced Options section, uncheck the "Verify When Database Driver Upgraded" option.

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

craxddrt9.dll	9.2.3.723	04/16/2003
craxdrt9.dll	9.2.3.723	04/16/2003
crpe32.dll	9.2.3.723	04/16/2003
crw32.exe	9.2.3.723	04/16/2003

**Problem ID # ADAPT00154211**

**Description:**

When OLAP reports are refreshed, a blank password is being submitted before the logon screen appears. This can result in users being locked out of the system for submitting too many incorrect, blank passwords.

**New Behavior:**

A new registry subkey has been added:

HKEY\_CURRENT\_USER\SOFTWARE\Crystal Decisions\9.0\Crystal Reports\DatabaseOptions\AlwaysAttemptOlapLogon

Set this subkey to "no" to make no attempt to logon to an Olap datasource when the password is empty.

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

crpe32.dll	9.2.3.729	04/22/2003
crw32.exe	9.2.3.729	04/22/2003

#### Problem ID # ADAPT00153808

##### Description:

In reports based on stored procedures that have parameters linked to subreport parameters, the values of the subreport parameters are not populated correctly when the report's database is verified. This incorrect populating causes default values to be passed as parameters to the report's stored procedure. If these parameters are used to identify the database in the stored procedure, an SQL error is generated.

##### New Behavior:

Crystal Reports now has the ability to determine the value of a subreport parameter that is linked to a main report parameter when verifying the database. The subreport parameter value is now updated correctly.

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

craxddrt9.dll	9.2.3.723	04/16/2003
craxdrt9.dll	9.2.3.723	04/16/2003
crpe32.dll	9.2.3.723	04/16/2003
crw32.exe	9.2.3.723	04/16/2003

#### Problem ID # ADAPT00153695

##### Description:

Using the ActiveX or DHTML viewers to view reports containing full-page charts results in the charts being partially truncated when displayed.

##### New Behavior:

Charts are no longer truncated when displayed in the ActiveX and DHTML viewers.

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

craxddrt9.dll	9.2.3.729	04/22/2003
craxdrt9.dll	9.2.3.729	04/22/2003
crpe32.dll	9.2.3.729	04/22/2003
crw32.exe	9.2.3.729	04/22/2003

#### Problem ID # ADAPT00151030

##### Description:

If tables were listed by description, or by name and description, tables could not be removed after they were added in the Standard Report Creation Wizard in the Report Designer.

##### New Behavior:

The logic is corrected to always use the actual table or field names, rather than the descriptions, when referring to objects. Tables and fields can be added and removed without error, even if the description, or the name and description, are used in the table/field listing option.

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

craxdrt9.dll	9.2.3.794	07/01/2003
crw32.exe	9.2.3.794	07/01/2003

#### Problem ID # ADAPT00149340

##### Description:

A .NET application cannot connect to the Report Application Server (RAS) when communicating through a Network Address Translation (NAT) protocol.

The problem is that RAS is unable to specify a port, because RAS does not support the port command-line argument.

**New Behavior:**

RAS supports the port command-line argument. Any .NET application can use the specified port to connect to RAS through NAT.

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

dtsagent.dll	9.2.1.273	03/28/2003
dtsagent.exe	9.2.1.273	03/28/2003
querysrv.exe	9.2.1.266	03/21/2003

**Problem ID # ADAPT00149139**

**Description:**

In the Crystal Management Console, database logon information would not take effect after specifying the custom database logon information using crdb\_ado.dll.

**New Behavior:**

After changing the logic to pass provider information from the original connection to the new connection, the custom database logon information, using crdb\_ado.dll, will function normally.

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

crpe32.dll	9.2.3.703	03/27/2003
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**Problem ID # ADAPT00147181**

**Description:**

When the user upgrades Crystal Reports 8.5 ERP reports (such as Baan or SAP) to version 9, the database drivers are matched incorrectly.

**New Behavior:**

The Report Designer and the Print Engine have been modified so that the version 8.5 and 9 drivers are matched correctly.

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

craxddrt9.dll	9.2.3.738	04/30/2003
craxdrt9.dll	9.2.3.738	04/30/2003
crpe32.dll	9.2.3.738	04/30/2003
crw32.exe	9.2.3.738	04/30/2003

**Problem ID # ADAPT00146016**

**Description:**

In Crystal Reports, the following error message is displayed when an invalid character is used in the database table alias name: Query Engine Error: "The alias requested "my\aliasname", contains a combination of characters which is not considered to be valid". The invalid characters are: .:{ } ( ) @ & \$ # ^ ! \* ~ | % " , - + > , / \ `

**New Behavior:**

A registry subkey now exists that Crystal Reports uses to identify what characters are considered to be invalid for alias names. By default, the registry subkey value data contains the following characters: .:{ } ( ) @ & \$ # ^ ! \* ~ | % " - If you wish to use one of the invalid characters in an alias name, remove the desired character from the registry subkey value data.

The registry subkey is:

HKEY\_LOCAL\_MACHINE\Software\Crystal Decisions\9.0\Crystal Reports\Database\InvalidAliasCharList

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

craxddrt9.dll	9.2.3.723	04/16/2003
craxdrt9.dll	9.2.3.723	04/16/2003
crpe32.dll	9.2.3.723	04/16/2003
crqe.dll	9.2.1.605	04/16/2003
crw32.exe	9.2.3.723	04/16/2003

**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\InvalidAliasCharList  
Type: STRING  
Recognized Values: any character value  
Default Value: .: {} () @ & \$ # ^ ! \* ~ | % " -  
Creation Method: Hot Fix Installation

**Problem ID # ADAPT00144533**

**Description:**

When modifying a report through the Report Application Server (RAS), and the report contains a subreport, the subreport parameter values are lost.

When opening a report with parameters, the client machine caches the parameter values and passes them back to the server whenever a data fetch request is made. If the Print Engine is missing the parameter values (that is when a modify action is made that discards saved data), then these parameter values are reset in the Print Engine. Therefore, only the main report parameter values are stored.

In this case, when you are setting subreport parameter values through the CMC and modifying the report, a "Missing Parameter Values" error occurs, because the subreport values are not refreshed.

**New Behavior:**

Both the main report and the subreport parameter values are passed in when making a request. When a report is opened, the report is checked for subreports. If it contains subreports, the parameter values in the subreports are cached and preserved such that they can be fetched when needed.

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

clientdoc.dll	9.2.2.255	03/13/2003
rptcontrollers.dll	9.2.2.255	03/13/2003

**Problem ID # ADAPT00144444**

**Description:**

When you refresh a report, the summary and running total fields that use the "Count" operation produce incorrect values when calculating more than 10,000,000 records.

**New Behavior:**

Previously, the address value of the Summary pointer was used to calculate the Count summary value instead of using the actual value. This has been changed to use the actual value instead of the address value. The address value worked in most cases, but when the number of records was increased, the address value did not get incremented properly, which produced an incorrect value.

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

crpe32.dll	9.2.3.687	03/11/2003
crw32.exe	9.2.3.687	03/11/2003

**Problem ID # ADAPT00143963**

**Description:**

In Crystal Analysis Professional, you can select an option that instructs the program to not remember passwords in saved CAR files. When opening these CAR files from Crystal Reports, you would get an "Unable to open OLAP cube" error message and you would be unable to connect to the cube.

**New Behavior:**

When opening a CAR file in Crystal Reports, you will be prompted for logon credentials if no passwords were saved with the CAR file.

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

crw32.exe	9.2.3.686	03/10/2003
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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 # ADAPT00140244****Description:**

When using a vertical font, the Japanese hyphen character is displayed incorrectly.

**New Behavior:**

The Crystal Report Print Engine now renders the Japanese hyphen character using GDI instead of Uniscribe. The Japanese hyphen character is now displayed correctly when using a vertical font.

To activate GDI rendering, change the formatting of the data field. Formatting changes that trigger GDI rendering include: setting "Can Grow", increasing the height of the field, changing the text rotation, setting the size dependency on formula, changing the line spacing, changing the character spacing, changing the text interpretation, and changing the reading order to "right to left".

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

crpe32.dll	9.2.3.704	03/28/2003
crw32.exe	9.2.3.704	03/28/2003

**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.

craxddrt9.dll	9.2.3.632	01/13/2003
craxdrt9.dll	9.2.3.632	01/13/2003
crpe32.dll	9.2.3.632	01/13/2003
crqe.dll	9.2.1.599	01/13/2003
crw32.exe	9.2.3.632	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 # ADAPT00138818**

**Description:**

Memory leaked in some Print Engine calls when the size of the parameter string was longer than 255 characters.

**New Behavior:**

The communication between different Print Engine calls is coordinated to ensure that no leaking happens.

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

crpe32.dll	9.2.3.674	02/26/2003
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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.

crpe32.dll	9.2.3.658	02/10/2003
crqe.dll	9.2.1.603	02/10/2003

**Problem ID # ADAPT00134458**

**Description:**

When distributing a Win Form application to Microsoft Windows 98, reports are unable display charts.

#### New Behavior:

The COM+ engine was not asking for "EMF or bitmap" (one or the other, but only one); instead, it was asking for EMF alone. Because the Windows 98 platform was being used, CRPE was not putting EMF into the EPF. This has been resolved and charts now appear properly.

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

crpe32.dll	9.2.3.611	12/24/2002
CrystalDecisions.CrystalReports.Engine.dll	9.2.9500.7	08/20/2003

#### 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.

craxddrt9.dll	9.2.3.653	02/05/2003
craxdrt9.dll	9.2.3.653	02/05/2003
crpe32.dll	9.2.3.658	02/10/2003
crqe.dll	9.2.1.603	02/10/2003
crw32.exe	9.2.3.653	02/05/2003

#### Problem ID # ADAPT00133226

#### Description:

If two tables are linked by a mutual primary/foreign key relationship, bidirectional links are created when the user selects "Auto-Linked By Key" on the Links tab of the Database Expert.

#### New Behavior:

The Database Expert does not allow bidirectional links between two tables with a mutual primary/foreign key relationship.

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

craxdrt9.dll	9.2.3.632	01/13/2003
crpe32.dll	9.2.3.632	01/13/2003
crqe.dll	9.2.1.599	01/13/2003
crw32.exe	9.2.3.632	01/13/2003

#### Problem ID # ADAPT00133016

**Description:**

After installing the cr90mainwin\_en.zip hotfix from 12/02/2002, the message "Error in File C:\...\report1.rpt: The request could not be submitted for background processing" is returned when attempting to view a report with a secure data source in the .NET viewers.

**New Behavior:**

The fix requires the latest crqe.dll, which allows for .NET viewers to view reports that access secure data sources.

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

crqe.dll	9.2.1.592	12/04/2002
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**Problem ID # ADAPT00132897****Description:**

When setting the data source location in the designer from a report built using a stored procedure to another database with a stored procedure, all through the OLE DB (ADO) driver, the changes are not updated in the dialog box. When closing the dialog box, the message "is not supported" appears.

**New Behavior:**

The data source location can now be updated through the dialog box.

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

crqe.dll	9.2.1.592	12/04/2002
crw32.exe	9.2.3.594	12/09/2002

**Problem ID # ADAPT00130631****Description:**

A user has a report with multiple OLAP grids, and uses the OLAP Report Creation Wizard to change one of the OLAP grids. Then an existing slice dimension that uses a parameter field is modified. The parameter field is deleted and the slice dimension is changed to point to a static dimension field; at least one other OLAP grid in the report is still using the removed parameter field. Because the OLAP Report Creation Wizard removes the parameter reference in the record selection formula while some of the OLAP grids in the report are still referencing the removed parameter, the report designer generated a GPF when saving the report.

**New Behavior:**

The OLAP Report Creation Wizard now checks to see if the parameter is still needed before removing any reference to the parameter in the record selection formula. The report designer no longer generates a GPF when saving data under these conditions.

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

crpe32.dll	9.2.3.577	11/22/2002
crw32.exe	9.2.3.577	11/22/2002

**Problem ID # ADAPT00130297****Description:**

After a subreport parameter has been renamed and then re-imported, two parameter prompts appear (a correct one and an incorrect one) when refreshing the report.

**New Behavior:**

After a subreport parameter has been renamed and then re-imported, the correct parameter prompt (only one) is shown.

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

crpe32.dll	9.2.3.605	12/20/2002
crw32.exe	9.2.3.605	12/20/2002



**Problem ID # ADAPT00130191****Description:**

After applying Microsoft's unicows patch (v.1.0.3703), a GPF occurs in the Crystal Report Writer (CRW) when viewing a report with a map or when trying to create a map.

**New Behavior:**

This problem occurs due to a change Microsoft made in the CreateEnhancedMetafile API on Microsoft Windows 98 in one of their latest builds of unicows.dll. The problem is fixed by passing NULL as the last parameter to CreateEnhanced.

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

crw32.exe

9.2.2.574

11/18/2002

**Problem ID # ADAPT00130107****Description:**

When the RDC is used to pass an ADO record that is set to a report that is based on a TTX file, the fields from the record set are mapped to the report by name, rather than by index. Consequently, if the fields in the record set do not use the same names as the fields in the report structure, the field is removed from the report.

**New Behavior:**

When all of the field names in the record set do not match any of the field names in the report, the fields are mapped by position. If one of the field names in the record set matches any field names in the report, all fields are mapped by name. In a situation where the mapping is mixed, the fields are mapped by name; any fields that do not match are dropped from the report.

**Known Limitation:**

- 1) If the fields are mapped by name, all record set fields must map by name.
- 2) The report field headings are not replaced with the associated field names from the ADO record set.

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

craxddrt9.dll

9.2.3.632

01/13/2003

craxdrt9.dll

9.2.3.632

01/13/2003

crpe32.dll

9.2.3.632

01/13/2003

crqe.dll

9.2.1.599

01/13/2003

crw32.exe

9.2.3.632

01/13/2003

**Problem ID # ADAPT00128854****Description:**

The Query Engine keeps only 6 digits when converting variant float field types to variant double field types (or single for Access).

**New Behavior:**

The Query Engine now keeps 7 digits when converting variant float field types to variant double field types.

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

crqe.dll

9.2.1.590

11/25/2002

**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.

crw32.exe

9.2.2.574

11/18/2002

#### Problem ID # ADAPT00126045

##### Description:

When users try to add a dimension slice with a dimension name containing the "!" character, an error occurs:  
"Table cannot be found."

##### New Behavior:

The problem is caused by the query engine as it replaces invalid characters ("!" in this case) with a "\_". These special characters are now properly handled and the algorithm will not fail.

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

crpe32.dll

9.2.3.611

12/24/2002

crw32.exe

9.2.3.611

12/24/2002

#### Problem ID # ADAPT00125904

##### Description:

Report groupings repeat randomly throughout the report when they are viewed if a user suppresses either of the following:

- 1) A subreport, by selecting the "Suppress Blank Subreport" option on the Subreport tab of the Format Editor.
- 2) The section that contains the subreport, by selecting the "Suppress Blank Section" option in the Section Expert.

##### New Behavior:

Report groupings do not repeat randomly when you suppress a subreport and the section that contains the subreport. The report groups now display correctly.

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

craxddrt9.dll

9.2.3.632

01/13/2003

craxdrt9.dll

9.2.3.632

01/13/2003

crpe32.dll

9.2.3.632

01/13/2003

crqe.dll

9.2.1.599

01/13/2003

crw32.exe

9.2.3.632

01/13/2003

#### Problem ID # ADAPT00125099

##### Description:

In an RDC application that uses the design time control (CRAXDDRT), when a user browses a field in the designer the recordset will be closed so that when a user previews the report, he or she will be prompted to log on again.

##### New Behavior:

In an RDC application that uses the design time control (CRAXDDRT), the rowset will not be closed until the report is closed.

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

craxddrt9.dll

9.2.2.554

10/30/2002

crpe32.dll

9.2.2.554

10/30/2002

crw32.exe

9.2.2.554

10/30/2002

#### Problem ID # ADAPT00125070

##### Description:

The default for Auto-Link Tables cannot be changed from "By Name" to "By Key". As a result, regardless of what the setting is, it always links to "By Name".

#### New Behavior:

A registry entry has been added and the default behavior has been changed so that Auto-Link Tables links to "By Key".

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

craxddrt9.dll	9.2.3.577	11/22/2002
craxdrt9.dll	9.2.3.577	11/22/2002
crw32.exe	9.2.3.577	11/22/2002

#### ***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\DatabaseOptions\DoSmartLinkingByKey]  
Type: STRING  
Recognized Values: Yes;No  
  
Creation Method: Hot Fix Installation

#### **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.

crqe.dll	9.2.1.596	12/16/2002
crw32.exe	9.2.3.601	12/16/2002

#### ***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\CurrencyAsNumber  
Type: STRING  
Recognized Values: Yes;No  
  
Creation Method: Hot Fix Installation

#### **Problem ID # ADAPT00124716**

**Description:**

Crystal Reports crashes when applying a template with crpe32.dll version 9.2.2.526.

**New Behavior:**

Changes in the Crystal Reports Print Engine (CRPE) Unicode API broke the RTM version of DTSagent.dll. Using the DTSagent.dll from RAS90win patch fixes the problem.

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

dtsagent.dll	9.2.0.658	11/08/2002
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**Problem ID # ADAPT00124145**

**Description:**

A subreport's stored procedure parameter (or parameterized commands) displays the following error when the user attempts to preview it:

**Error Type:**

webReporting.dll (0x8004100E)

Missing parameter values.

/rassamples/en/asp/rPortfolio/HTMLViewers/pageViewer.asp, line 22

**New Behavior:**

Subreport stored procedure parameters, when linked to a field in the main report, are no longer required to supply a current value. The error message no longer appears.

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

dtsagent.dll	9.2.0.658	11/08/2002
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**Problem ID # ADAPT00123839**

**Description:**

In Crystal Reports 9, when setting the paragraph interpretation option for a field to "RTF", the field that contains Control Words is showing text, but it should be blank.

**New Behavior:**

In Crystal Reports 9, when setting the paragraph interpretation option for a field to "RTF", the field that contains Control Words is blank, which is correct.

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

craxdrt9.dll	9.2.2.549	10/25/2002
crpe32.dll	9.2.2.549	10/25/2002
crw32.exe	9.2.2.549	10/25/2002

**Problem ID # ADAPT00123023**

**Description:**

Running total fields in a report return incorrect values after exporting to PDF or printing the report.

**New Behavior:**

Incorrect values were being returned for running total fields because when doing a minimal format, the space taken up by an underlayed section was miscalculated when all of the subsequent sections were suppressed. This problem has been fixed and now the running total values return the correct totals.

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

crpe32.dll	9.2.2.563	11/08/2002
crw32.exe	9.2.2.563	11/08/2002

**Problem ID # ADAPT00122976**

**Description:**

In a Cross-Tab, when using "Show as a percentage of" and the summarized field has a value of zero, it will cause a GPF.

**New Behavior:**

In a Cross-Tab, when using "Show as a percentage of" and the summarized field has a value of zero, a GPF does not occur.

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

crw32.exe

9.2.2.546

10/22/2002

**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.

crqe.dll

9.2.1.599

01/13/2003

**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.

JVMManager.dll

9.2.0.8

10/30/2002

**Problem ID # ADAPT00122217**

**Description:**

When viewing a report that contains saved data, the user may be prompted for database logon information. This occurs when the report contains one or more subreports that are based on a secured database, and the data set that is generated contains no records.

**New Behavior:**

The user is no longer prompted to provide database logon information when viewing a report with subreports that contain no records. The user now sees the report correctly.

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

craxdrt9.dll

9.2.2.563

11/08/2002

crpe32.dll

9.2.2.568

11/13/2002

crw32.exe

9.2.2.563

11/08/2002

**Problem ID # ADAPT00121607****Description:**

If the logon properties collection has not already been created before setting the connection's server name, a GPF occurs.

**New Behavior:**

A logon properties collection is now created when setting the connection's server name, if one has not already been created.

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

crqe.dll	9.2.0.586	10/17/2002
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**Problem ID # ADAPT00120415****Description:**

Customized characters that use Private Use Area (U+E000-U+F8FF) are displayed as "." (middot) or "?" in the Crystal Reports designer.

**New Behavior:**

There was a Uniscribe issue in the designer, but it has been resolved so the custom characters now display correctly.

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

crpe32.dll	9.2.3.590	12/05/2002
crw32.exe	9.2.3.594	12/09/2002

**Problem ID # ADAPT00119889****Description:**

In Crystal Reports 9, exporting a report that contains a subreport, with hidden sections, fails to export to HTML 3.2 or 4.0 format.

**New Behavior:**

In Crystal Reports 9, exporting a report that contains a subreport, with hidden sections, successfully exports to HTML 3.2 or 4.0 format.

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

PageObjectModel.dll	9.2.0.630	10/11/2002
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**Problem ID # ADAPT00118080****Description:**

The order of the Details fields returned by the RAS SDK was different than the order in which they were added to the report. This occurred because Details fields would wrap to the next line when there is not enough width left on the current line (onto which they were added). When returning the order of the fields, the Design Time Server Agent would regard fields only by their horizontal axis position (ignoring the vertical axis) and return the fields in a different order if field wrapping occurred.

**New Behavior:**

The sort order of returned Details fields can now be configured on the server via a registry subkey. The subkey is a string value: HKLM\SOFTWARE\Crystal Decisions\9.0\Report App\Server\ResultFieldsSortMethod. The recognized values for this subkey are "0", "1", and "2".

Setting this subkey to "0" will return fields in the same order in which they were added (no sorting). A value of "1" will return fields sorted by the horizontal axis only. A value of "2" will return fields sorted by both the horizontal and vertical axes. The default value is "1".

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

dtsagent.dll

9.2.0.640

10/21/2002

**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: HKLM\SOFTWARE\Crystal Decisions\9.0\Report  
App\Server\ResultFieldsSortMethod  
Type: STRING  
Recognized Values: 0; 1; 2  
Default Value: 1  
Creation Method: Software

**Problem ID # ADAPT00117778**

**Description:**

A chart created in Crystal Reports 8.5 with a specified ordering will display incorrect information when refreshed in Crystal Reports 9.0 with an updated database. This only occurs with orderings based on a number field.

**New Behavior:**

The chart now displays correct information in Crystal Reports 9.0 because number data types are now converted to strings. The group names were not being compared correctly--hence the two different groups were treated as being one.

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

craxddrt9.dll

9.2.3.617

12/30/2002

craxdrt9.dll

9.2.3.617

12/30/2002

crw32.exe

9.2.3.614

12/27/2002

**Problem ID # ADAPT00117390**

**Description:**

Instances are not generated when a user is saving conditionally suppressed subreports with data.

**New Behavior:**

The logic to check whether the subreport object is conditionally suppressed or not has been added. If the subreport is conditionally suppressed, pages will be regenerated.

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

craxddrt9.dll

9.2.3.594

12/09/2002

craxdrt9.dll

9.2.3.594

12/09/2002

crpe32.dll

9.2.3.674

02/26/2003

crw32.exe

9.2.3.594

12/09/2002

**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.

crpe32.dll

9.2.2.556

11/01/2002

#### Problem ID # ADAPT00116624

##### Description:

In Crystal Reports 9, commands can be added to a report, but changes to these commands are not considered.

##### New Behavior:

Commands can now be updated and the changes are seen by Crystal Reports.

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

crw32.exe

9.2.2.525

10/01/2002

#### Problem ID # ADAPT00116298

##### Description:

Reports that contain funnel and pie charts, with the values shown on the chart as percentages, display the values in an incorrect format in the chart's legend. For example, a currency value is listed in the legend as 12,345.00% when it should be \$123.45.

##### New Behavior:

This problem is resolved.

##### Known Limitation:

This fix does not also provide a way for users to change the generic number format in the legend to another format.

In Crystal Reports 10, the Pie Chart Total Label may become incorrectly formatted as a malformed percentage. To work around this, first select the desired Category for the label under the Numbers tab in the General Chart Options, then check the Show Values as Percentage checkbox under the Data Labels tab and click OK.

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

sscsdk80.dll

2.3.6.20

05/25/2004

#### Problem ID # ADAPT00116179

##### Description:

Having multiple copies of the same table in one report causes incorrect data to be displayed.

##### New Behavior:

Each table is now treated independently and now displays data correctly.

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

craxdrt9.dll

9.2.0.518

09/25/2002

crpe32.dll

9.2.0.518

09/25/2002

#### Problem ID # ADAPT00116120



**Description:**

When using Report Application Server 9 to modify report parameters, parameter values are being truncated to 255 characters.

**New Behavior:**

Report Application Server 9 no longer truncates parameters to 255 characters.

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

crpe32.dll	9.2.2.526	10/03/2002
dtsagent.dll	9.2.0.622	10/03/2002
querysrv.exe	9.2.0.622	10/03/2002

**Problem ID # ADAPT00115362**

**Description:**

In the Report Designer Component (RDC), the SaveAs method returns a "The file is in use by another application" error message when attempting to save to the same report file name.

**New Behavior:**

An optimization that was implemented in the Crystal Reports Print Engine (CRPE) that introduced this problem is not invoked by Crystal Enterprise. The behavior has been changed back to the Crystal Reports 8.5 behavior, so this RDC problem has been eliminated without affecting Crystal Enterprise.

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

craxddrt9.dll	9.2.3.584	11/29/2002
craxdrt9.dll	9.2.3.584	11/29/2002
crpe32.dll	9.2.3.584	11/29/2002

**Problem ID # ADAPT00104339**

**Description:**

After creating a chart, if the data point from the chart expert is modified to use the options "Show Label" or "Show Value", the chart resizes. After resizing, the chart's labels or values are misplaced.

The cause of the problem is that the report makes inaccurate calculations on the locations of labels and values. This causes the chart to resize.

**New Behavior:**

Checks have been added to verify the calculation on the locations of labels and values. This prevents the chart from resizing.

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

sscsdk80.dll	2.3.6.16	08/21/2003
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**Problem ID # ADAPT00104013**

**Description:**

Decimal precision is lost for operations such as count/distinct count % summary in a Cross-Tab because the summarized value is stored as an integer and not a floating point number. Decimal point precision is incorrectly implied since the percentage value is not truncated. For example, it might show 67.00% when it should show 67%.

**New Behavior:**

The formatting code has been changed so that decimal point precision is never shown for count/distinct count % summary in a crossTab. It should be noted that the percentage value is truncated, not rounded off.

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

crpe32.dll	9.2.0.509	09/16/2002
crw32.exe	9.2.0.509	09/16/2002

**Problem ID # ADAPT00103425****Description:**

Report Application Server (RAS) 9.0 does not recognize any tables that are of CommandTable type in an open document.

**New Behavior:**

Additional functionality has been added to check tables for the CommandTable type.

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

crpe32.dll	9.2.0.499	09/06/2002
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**Problem ID # ADAPT00103421****Description:**

With the Report Application Server (RAS) 9.0, locations cannot be reset for tables that are of CommandTable type, when the location is already of CommandTable type.

**New Behavior:**

All tables of CommandTable type may now be set repeatedly.

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

crpe32.dll	9.2.0.510	09/17/2002
dtsagent.dll	9.2.0.589	09/06/2002
dtsagent.exe	9.2.0.589	09/06/2002

**Problem ID # ADAPT00103376****Description:**

If the user is unable to drill through a cube in the CR 9.0 Cube Analyzer, and he or she clicks through the error messages, a GPF is generated after the designer is closed.

**New Behavior:**

If the user is unable to drill through a cube, a GPF no longer occurs after the designer is closed.

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

SeagateDialogs.dll	8.5.5.22	10/31/2002
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**Problem ID # ADAPT00102040****Description:**

Viewing a multi-page Cross-Tab in the Web Forms viewer with the SeparatePages property set to False display blank section between pages.

**New Behavior:**

Multi-page Cross-Tabs now appear as a continuous Cross-Tab when the SeparatePages property is set to False.

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

crpe32.dll	9.2.0.518	09/25/2002
crw32.exe	9.2.0.518	09/25/2002

**Problem ID # ADAPT00102001**

**Description:**

When a user drills down on a report with saved data, the user is prompted to enter database logon information for the hidden subreport.

**New Behavior:**

The architecture is changed to not prompt the user for the database logon information, even when a subreport is hidden. Therefore, users do not need to log on to the database again for subreports when users drill down. The problem is fixed.

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

crpe32.dll	9.2.3.745	05/07/2003
crw32.exe	9.2.3.738	04/30/2003

**Problem ID # ADAPT00101166****Description:**

On an OLAP grid, if the text label for the top dimension is longer than the text label for the inner dimension, the top one is truncated.

**New Behavior:**

After adjusting the grid formatting logic for text labels and text fields, the label for the top dimension is no longer truncated regardless of the length of the inner dimension field.

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

crpe32.dll	9.2.0.509	09/19/2002
crw32.exe	9.2.0.509	09/19/2002

**Problem ID # ADAPT00100454****Description:**

In Crystal Reports, when setting the abbreviation for a value in a chart to Millions, the value shown is incorrect. For example, when using 900 K as the setting, the value shows up as 0.00 M instead of 0.90 M.

**New Behavior:**

The value is now shown correctly when setting the chart value to higher abbreviations (million, billion, etc).

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

sscsdk80.dll	2.3.6.11	09/09/2002
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**Problem ID # ADAPT00100333****Description:**

Reports that are created in Crystal Reports version 8.5, and which contain text boxes with the "Can Grow" feature enabled, may incorrectly shrink to fit the contents of the text box. That problem occurs when reports are viewed in Crystal Reports or Crystal Enterprise versions 9 or 10.

**New Behavior:**

Text boxes that have the "Can Grow" enabled either retain their originally specified size or grow larger if needed.

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

crw32.exe	9.2.3.1228	09/17/2004
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**Problem ID # ADAPT00098459****Description:**

Crystal Reports crashes when a user applies a template to a Japanese report that contains summary fields of currency type.

#### New Behavior:

The problem is that the Japanese name of a summary field caused PSetObjectName() to fail because the object name contained Japanese characters. The generated name will now contain only English characters and numbers, so the method will no longer cause the Crystal Reports to crash.

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

rptcontrollers.dll	9.2.0.558	08/05/2002
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#### Problem ID # ADAPT00089645

#### Description:

When a report that contains a BLOB field is previewed, the image may not be displayed in full if it is at the end of the page. This occurs when the report section containing the BLOB field has the "Keep Together" option selected.

#### New Behavior:

When a BLOB field is contained in a report section that has the "Keep Together" option selected, the full BLOB field is displayed. If the page is not large enough to display the section in its entirety, the section is generated on the following page.

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

craxdrt9.dll	9.2.2.563	11/08/2002
crpe32.dll	9.2.2.568	11/13/2002
crw32.exe	9.2.2.563	11/08/2002

#### Problem ID # ADAPT00085534

#### Description:

When a chart had a value of zero or null, it would display that value in the chart.

#### New Behavior:

There was a floating point roundoff error which caused a 0 width pie slice (for example) to show up on the chart. This has been corrected and zero or null values do not appear on charts.

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

sscsdk80.dll	2.3.2.20	09/26/2002
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#### Problem ID # ADAPT00082631

#### Description:

A bitmap contained within a Microsoft Access database will not print properly from within Crystal Reports when running on a Windows 98 OS and using an HP Laserjet 4 Plus printer. The bitmap is not printed at all, even though it is displayed properly in the Print Preview screen. This only occurs if the bitmap is resized.

#### New Behavior:

The bitmap now prints properly regardless of the bitmap size.

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

craxddrt9.dll	9.2.0.496	09/03/2002
craxdrt9.dll	9.2.0.496	09/03/2002
crpe32.dll	9.2.0.496	09/03/2002
crw32.exe	9.2.0.496	09/03/2002

#### Problem ID # ADAPT00074061

**Description:**

In the Crystal Reports 9.0 Report Designer, the fully qualified table name cannot be returned with the Table methods. In the Crystal Reports 8.5 Report Designer, the fully qualified table name was returned using the Table.Location method.

**New Behavior:**

A new method has been added to the Table item to return a list of qualifiers for that particular table. Its syntax is as follows:

```
report.Database.Tables(#).Qualifiers.Item(#)
```

OR

```
report.Database.Tables(#).Qualifiers(#)
```

where # is an integer (i.e.: 1, 2, etc.). This functionality is also added to the Crystal Reports 10 RDC.

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

craxddrt9.dll	9.2.3.1098	05/06/2004
craxdrt9.dll	9.2.3.1098	05/06/2004
crpe.h		07/20/2004
crpe32.dll	9.2.3.1096	05/04/2004

**Problem ID # ADAPT00069723**
**Description:**

Crystal Reports will not refresh a report once the group selection formula is modified or deleted. To refresh the report, users must save, close, and then re-open the report.

**New Behavior:**

The problem is resolved.

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

crpe32.dll	9.2.3.906	10/22/2003
crw32.exe	9.2.3.906	10/22/2003

**Problem ID # ADAPT00059324**
**Description:**

In an RDC application, when you are using the SetText method to pass multiple-line strings, the carriage returns appear as spaces.

**New Behavior:**

An internal function was not recognizing the carriage returns correctly. This has been rectified and text with carriage returns now appear correctly.

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

craxddrt9.dll	9.2.3.693	03/17/2003
craxdrt9.dll	9.2.3.693	03/17/2003
crpe32.dll	9.2.3.693	03/17/2003

**Problem ID # ADAPT00005547**
**Description:**

When an export to a destination disk fails because the destination disk is full, no error message is generated.

**New Behavior:**

An error message is passed down from the export dll, and then the print engine reports the message.

#### Known Limitation:

This is only a partial fix, due to the different behavior of each driver. For example, certain exporting drivers will not pass down an error message; in that case, the print engine does not report a message. Those drivers that do not report an error vary from version to version.

Some drivers correctly display an error message, but generate the output file (0 or more bytes) anyway, as a blank file. This depends on which file format the report is exported to (Acrobat reader, rich text, MS word, and so on).

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

ActiveXViewer.cab		06/09/2003
craxddrt9.dll	9.2.3.787	06/22/2003
craxdrt9.dll	9.2.3.787	06/22/2003
crpe32.dll	9.2.3.787	06/22/2003
crviewer9.dep		06/09/2003
crviewer9.dll	9.2.2.340	06/09/2003
crviewer9.inf		06/09/2003
crw32.exe	9.2.3.787	06/22/2003
CSelExpt.ocx	9.2.2.221	06/09/2003
npssview.dll	9.2.2.340	06/09/2003
npviewer.exe	2.11.15.0	06/09/2003
reportparameterdialog.cab		06/09/2003
ReportParameterDialog.dll	9.0.1.149	06/09/2003
sviewhlp.dll	9.2.2.340	06/09/2003
swebrs.dll	9.2.2.340	06/09/2003
xqviewer.dll	9.2.2.35	06/09/2003

## ENHANCEMENTS

### 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
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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\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
JVMManager.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 # ADAPT00169324**

**Description:**

Report Application Server 9 viewers do not support the Korean language.

**New Behavior:**

An enhancement has been made such that Korean is now a supported language when you are using Report Application Server 9 viewers.

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

ActiveXViewer.cab		06/09/2003
calendar_ko.js		06/27/2003
crviewer9.dep		06/09/2003
crviewer9.dll	9.2.2.340	06/09/2003
crviewer9.inf		06/09/2003
CSElExpt.ocx	9.2.2.221	06/09/2003
InteractiveViewerHelp_ko.htm		06/10/2003
mconditiontab_ko.gif		05/15/2003
mconditiontabsel_ko.gif		05/15/2003
mfieldtab_ko.gif		05/15/2003
mfieldtabsel_ko.gif		05/15/2003
mresultstab_ko.gif		05/15/2003
mresultstabsel_ko.gif		05/15/2003
npssview.dll	9.2.2.340	06/09/2003
npviewer.exe	2.11.15.0	06/09/2003
PageObjectModel.dll	9.2.2.346	06/15/2003
prompts_ko.js		05/15/2003
rascore.jar		06/11/2003
reportdatapvider.jar		06/11/2003
reportparameterdialog.cab		06/09/2003
ReportParameterDialog.dll	9.0.1.149	06/09/2003
ReportRenderer.dll	9.2.2.346	06/15/2003
reporttemplate.jar		06/11/2003
sviewhlp.dll	9.2.2.340	06/09/2003
swebrs.dll	9.2.2.340	06/09/2003
WebExamples.war		06/27/2003
WebReporting.dll	9.2.2.346	06/15/2003
webreporting.jar		06/11/2003
webreportwizard.jar		06/11/2003
webreportwizard.war		06/27/2003
xqviewer.dll	9.2.2.35	06/09/2003

**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 # ADAPT00145139**

Description:

When users are viewing a list of report instances through FileDialog.dll, there is no support for multiple columns.

New Behavior:

Support for multiple columns has been added for viewing a list of report instances using FileDialog.dll.

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

filedialog.dll	9.2.1.239	02/25/2003
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**Problem ID # ADAPT00139785**

Description:

In RAS 9.0, there is no existing method allowing a user to set a subreport's data source to an ADO recordset.

New Behavior:

The setDataSource() method has been added to allow a user to set the ADO recordset as a data source for a subreport.

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

CrystalDecisions.ReportAppServer.Controllers.dll	9.2.9500.10	10/23/2003
CrystalDecisions.ReportAppServer.DataSetConversion.dll	9.2.9500.10	10/23/2003
dtsagent.dll	9.2.2.289	04/16/2003
rasapp.jar		03/25/2003
rascore.jar		03/25/2003
rptcontrollers.dll	9.2.2.289	04/16/2003