

Crystal Reports

Exporting changes in Crystal Reports 8.5 to XI

Overview

This document discusses some of the major differences between the exporting features in Crystal Reports 8.5 to XI. It is intended to help you upgrade your reports to Crystal Reports XI.

Contents

INTRODUCTION	2
GENERAL INFORMATION	2
EXPORTING FORMATS	2
<i>Exporting to Microsoft Excel.....</i>	<i>2</i>
Differences between U2fxls.dll and Crxf_xls.dll.....	3
Differences between versions of Crxf_xls.dll	4
<i>Exporting to Portable Document Format</i>	<i>4</i>
<i>Exporting to Character-Separated Values format.....</i>	<i>5</i>
<i>Exporting to Word format</i>	<i>5</i>
FINDING MORE INFORMATION	6
<i>Applying Hot Fixes</i>	<i>6</i>
<i>Exporting limitations.....</i>	<i>6</i>
<i>Best practices formatting for exporting to Excel.....</i>	<i>6</i>
<i>Related knowledge base articles</i>	<i>6</i>

Introduction

This document discusses the history of the changes made to the exporting DLLs used by Crystal Reports. It is applicable to Crystal Reports 8.5, 9, 10, and XI. The following export formats are discussed:

- Microsoft Excel (Excel)
- Portable Document Format (PDF)
- Character-Separated Values (CSV)
- Microsoft Word (Word)

For more information on exporting formats, refer to the Crystal Reports Online Help by pressing the 'F1' key, and then searching for "Export format types".

This document should not be considered a comprehensive list of all exporting behaviors in Crystal Reports. For more information on exporting, refer to our support site at

<http://support.businessobjects.com/search>.

CAUTION

It is strongly recommended that you create back up copies of all of your reports before attempting to migrate to a later version of Crystal Reports.

General Information

Exporting is a popular feature of Crystal Reports that has undergone numerous revisions based on DLL functionality, customer feedback, and Unicode compliancy.

When referencing the different versions of Crystal Reports, this document assumes that the latest [Monthly Hot Fix](#) has been applied, unless otherwise stated.

In some cases, the naming conventions for exporting DLLs, as well as the export output, have changed between versions of Crystal Reports. The names of the DLLs are provided for each version.

Exporting Formats

Exporting to Microsoft Excel

Crystal Reports 8.5 and Crystal Enterprise 8.5

U2fxls.dll in Crystal Reports 8.5 and Crxf_Xls.dll in Crystal Enterprise 8.5 are used to export to Excel.

NOTE	If Crystal Enterprise and Crystal Reports 8.5 are installed on the same computer, then Crxf_Xls.dll is used to export to Excel; however, if you then rename or remove Crxf_Xls.dll, then U2fxls.dll is used.
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Crystal Reports 9 and later

To improve exporting functionality, including Unicode compliancy, Crystal Reports 9 introduced Crxf_xls.dll. This DLL file is also distributed with Crystal Enterprise 8.5 and later.

The following sections describe the differences between Crxf_xls.dll and U2fxls.dll, as well as between different versions of Crxf_xls.dll.

Differences between U2fxls.dll and Crxf_xls.dll

Supported Excel versions

In Crystal Reports 8.5, U2fxls.dll is designed to export to Excel 5, 7, and 8. For each version there is the option to export to **Extended** format. Extended format retains some of the formatting of the original report.

In Crystal Reports 9, Crxf_xls.dll is designed to export to Excel 97 and 2000.

Report formatting

Using U2fxls.dll, as long as fields are in the same row or column range, they would appear in the same row or column in the Excel output.

Crxf_xls.dll is designed to produce output that more closely resembles the formatting of the original Crystal report (that is, WYSIWYG output). As a result, if report formatting is not precise, then merged cells can be a result of rows and columns being inserted to mimic the positioning of the report fields.

Overall, exporting to **MS Excel 97-2000 (Data only)** format preserves the original formatting better than exporting to **Extended** format. It is recommended that you use the **MS Excel 97-2000 (Data only)** format when using Crxf_xls.dll.

Cross-tab and subreport placement

U2fxls.dll places cross-tabs and subreports in the Excel output in close approximation to their position in the Crystal report.

Crxf_xls.dll places cross-tabs and subreports on their own row to conserve the number of columns when using the **MS Excel 97-2000 (Data only)** format. This is by design, because there is a limit to the number of columns allowed within an Excel worksheet.

Differences between versions of Crxf_xls.dll

Crystal Reports 9

When exporting to **MS Excel 97-2000** format, gridlines do not appear in the Excel output. As a workaround, enable gridlines in Excel.

When exporting to **MS Excel 97-2000 (Data only)** format, the **Export Format Options** dialog box allows additional control over the export output.

Crystal Enterprise 8.5 and later

Since this dialog box does not appear when exporting to **MS Excel 97-2000 (Data only)** format in Crystal Enterprise 8.5 and later, default settings are maintained when viewing a report in Crystal Enterprise. To work around this limitation, set the desired export options in Crystal Reports before scheduling the report to Excel format.

Crystal Reports 10

For the **MS Excel 97-2000** export format, the options **Show Gridlines**, **Export page headers and footers**, as well as its corresponding sub-options, **None**, **Once Per Report**, and **On Each Page**, are available.

The **MS Excel 97-2000 (Data Only)** export format has the option **Maintain Relative Object Position**, which holds the position of objects in the exported report. Registry keys are added through hot fixes that allowed global control of these options by the administrator. You could then export with these options enabled when viewing a report through Enterprise.

Crystal Reports XI

In addition to the exporting options in Crystal Reports 10, Crystal Reports XI includes **Report Export Options**. This option enables you to save the exporting options with each report rather than setting them using a registry key that affects all reports. To access **Report Export Options**, go to **File > Export > Report Export Options**. Refer to the section [Best practices formatting for exporting to Excel](#) for more information.

Exporting to Portable Document Format

Crxf_pdf.dll is used to export reports to Portable Document Format (PDF). Since PDF is a cross-platform format, Adobe Acrobat renders fonts differently than Crystal Reports 8.5 and later. As a result, field truncation may occur.

Crystal Reports 9

In Crystal Reports 9, the truncation issue is resolved by applying a [Service Pack](#) that shrinks fonts by 5%. For example, a 10-point font in a Crystal report is rendered as a 9.5-point font in the exported PDF file.

Crystal Reports 10 and XI

In Crystal Reports 10 and XI, exported fonts are shrunk by 5% to avoid field truncation. For version 10, refer to knowledge base article c2017865 on our [support site](#) for more information on maintaining the font size. For version XI, create the following registry entry and then set the value to 1 to maintain the font size:

```
HKEY_CURRENT_USER\SOFTWARE\Business Objects\Suite  
11.0\Crystal Reports\Export\PDF\ForceLargerFonts
```

Exporting to Character-Separated Values format

In Crystal Reports 8.5 to XI, U2fsepv.dll is used to export to Character-Separated Values (CSV) format. When exporting to CSV format, the page header appears at the beginning of each record, instead of just once at the beginning of the CSV file. To resolve this issue, refer to knowledge base article c2014451 on our [support site](#).

NOTE

In Crystal Reports 9, this behavior occurs when using version 9.2.1.32 of U2fsepv.dll.

Exporting to Word format

U2fwordw.dll in Crystal Reports 8.5 and Crxf_Wordw.dll in Crystal Reports 9 and later are used to export reports to Word format.

Crystal Reports 8.5

In Crystal Reports 8.5, when exporting to Microsoft Word format by clicking the **Word for Windows** option, the export output can easily be edited in Microsoft Word.

NOTE

Instead of 'Word for Windows', you will see 'Word (Exact) Format', as an option in the 'Export' dialog box if you have not followed the suggestions in knowledge base article c2010731 on our [support site](#).

Crystal Reports 9, 10, and XI

In Crystal Reports 9, 10, and XI, to produce more accurate output, all exported fields are enclosed in text frames.

Crystal Reports XI

Crystal Reports XI introduces the **Microsoft Word - Editable (RTF)** format that allows the exported output to be more easily edited in Word. Crxf_rtf.dll is used to export to this new format.

Finding More Information

Applying Hot Fixes

http://support.businessobjects.com/fix/downloads_updates.asp

Exporting limitations

Crystal Reports 8.5:

http://support.businessobjects.com/communityCS/TechnicalPapers/cr85_exportlimitations.zip.asp

Crystal Reports 9:

http://support.businessobjects.com/communityCS/TechnicalPapers/cr9_exportlimitations.pdf.asp

Crystal Reports 10:

http://support.businessobjects.com/communityCS/TechnicalPapers/cr10_exportlimitations.zip.asp

Best practices formatting for exporting to Excel

Crystal Reports 9 and earlier:

http://support.businessobjects.com/communityCS/TechnicalPapers/scr_exportexcel.pdf.asp

Crystal Reports 10 and XI:

http://support.businessobjects.com/communityCS/TechnicalPapers/cr10_export_excel.pdf.asp

Related knowledge base articles

Search for the following related knowledge base articles on our [support site](#):

- c2014451 - Exporting to CSV results in the page header appearing with every record
- c2010731 - How do you export to Word (Exact) Format from Crystal Reports 8.5?

► www.businessobjects.com

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