



i-net
Crystal-Clear**X** version 10

Crystal Reports Migration Guide

*Problems and solutions with the migration from
Crystal Reports to i-net Crystal-Clear*

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1 Summary

One of the most important issues for many customers is that they are able to preserve the investment they may have made into existing report templates. Fortunately, it is relatively easy to be able to continue to use your Crystal Report templates with i-net Crystal-Clear.

This guide will help you to use your Crystal Reports - report files with the i-net Crystal-Clear reporting software.

2 Different behavior

This chapter describes differences in the rendering results.

2.1 Default Rounding

If a Number Field is rounding with the System Format and the value ends with a 5 then Crystal Reports is ever round up. i-net Crystal-Clear is round half even.

Example:

| | Crystal Report | i-net Crystal-Clear |
|-------|----------------|---------------------|
| 1.105 | 1.11 | 1.10 |
| 1.115 | 1.12 | 1.12 |

If this a problem for you then you can use a custom number format. i-net Crystal-Clear support 7 different rounding formats.

2.2 Keep Together

The implementation of Keep Together in i-net Crystal-Clear is more strict. It will always cause a page break if the content is too large for the current page and the next page has more space. In Crystal Reports, a page break is only created if the content is too large for the current page, the content is larger than a half page there is more space on the next page.

2.3 Suppress Blank Section

Crystal Reports ignore this option if there are no fields in the section. i-net Crystal-Clear also interpret this section option ever.

3 Font differences

Certain versions of Crystal Reports seem to display fonts somewhat smaller than the actual font size, this is especially the case when exporting to PDF. For example, setting a text label to Arial size 12 and then exporting to PDF with Crystal Reports seems to produce a text with the font Arial, size 10.6. To remedy having your reports seem too large when exporting to i-net Crystal-Clear, the ReportReader tool uses a file called "fontmappings.xml" to automatically map fonts encountered in the templates to slightly smaller fonts.

In order for this XML file to be used, simply make sure it is located in the same folder as your ReportReaderNET.exe.

The XML file has the following structure:

```
<FontMappings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <FontMapping>
    <OldFont name="Arial" />
    <NewFont name="Arial" />
    <SizeMapping oldsize="8" newsize="7.15" />
    <SizeMapping oldsize="9" newsize="8.1" />
    ...
    <SizeMapping oldsize="72" newsize="64.45" />
  </FontMapping>
  <FontMapping>
    <OldFont name="Times New Roman" />
    <NewFont name="Times New Roman" />
    <SizeMapping oldsize="8" newsize="7.05" />
    ...
    <SizeMapping oldsize="72" newsize="65.0" />
  </FontMapping>
  ...
</FontMappings>
```

You can adapt this XML file as you wish if you want a different mapping to occur - you could also simply delete this file if you don't want a font mapping to be applied.

4 Limits of the Report Reader

The following items are known limits of the ReportReader, which is used by i-net Crystal-Clear to read Crystal Reports report files. Many of these features are supported by i-net Crystal-Clear, however it is not possible for the ReportReader to get the settings of the features or the features using the Crystal Reports API. You can use the i-net DesignerXML or the i-net Crystal-Clear API to reconfigure these features in the i-net Crystal-Clear report file.

4.1 More than 120 sections in an area

If there are more than 120 sections in a single area, then it is not possible to access the design of the additional sections. These sections are not read.

4.2 OLE Objects other than bitmap images

Only OLE objects including an image are supported by i-net Crystal-Clear. Other OLE objects will not be included in the i-net Crystal-Clear report file.

4.3 Display String Formula

If an element has a display string formula set for it, this can not be accessed and will not be included in the i-net Crystal-Clear report. You will have to add it manually using i-net DesignerXML or i-net Crystal-Clear API.

4.4 Various Chart Properties

The following chart properties / settings can not be accessed by the report reader:

- Color by Group
- Color Property Formula
- “Use Depth” setting (3d effect) for doughnut and bar charts
- Auto-generated chart titles - the generated titles will be set as defined chart titles.

- “Do not summarize” property when a formula is chosen as the data set.

4.5 Line Spacing Property for Memo fields

The “line spacing” property will not be preserved for persistent memo fields. Other string field elements will not lose the line spacing setting.

4.6 Dynamic and Cascading Prompt Fields

These prompt fields will be modified to simple, static prompt fields. It is necessary to reconfigure the dynamic and cascading prompt fields in the “Parameter Field Properties” dialog of the i-net DesignerXML.

4.7 Sub Report Label Font

The font properties of a sub report label can not be extracted and will be set to a default font.

4.8 Cross-tab Date Grouping By Specific Periods

Cross-tabs based on date groups will lose the “group by ...” information.

4.9 User Defined Formulas

If the Crystal Reports report contains a user defined formula, then you need to write a Java method for the user defined formula. You need to implement it as public static method. Then you add the class with the user defined method(s) to the classpath and set the class name in the Configuration property “Formula Expander Class”. This property allows multiple classes separated by semicolon.

You can get more information about [User Defined Formulas](#) in the [documentation](#).