Desktop Studio- Importing Crystal Reports

Version: 16.0

intellicus

Power To Understand Your Business

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Acknowledgements

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For details, visit: http://www.intellicus.com/acknowledgements.htm

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1 Importing crystal report in Intellicus

Intellicus Desktop Studio can import reports designed in Crystal Reports. This feature eliminates the need to re-design the entire report (which was already designed in Crystal) in Intellicus Studio.

Crystal Report import feature takes care of major time spender activities of report designing like writing queries, placing individual controls and setting properties for them, inserting formulas, inserting groups and page setup information.

Prerequisites

Report Import feature of Intellicus will be enabled on a workstation having Crystal Reports 8 or higher installed on it.

Import Steps

To import a crystal report layout in Intellicus Desktop studio,

1. From **File** menu, point to **Import** and click option **Crystal Report**. **Open** dialog box appears.
2. Select a crystal report file to import. **Save As** dialog box appears.
3. Specify information required to save the report. Report is imported and report conversion history dialog box appears.

On **Conversion History** dialog box, click **OK** to proceed. Click **Save** to save the conversion history in a file.

The report is imported in Intellicus and is ready to be modified.

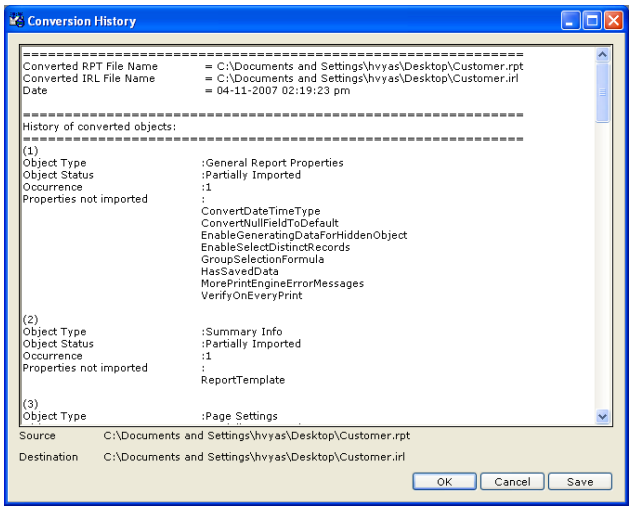

Figure 1: Conversion history dialog box

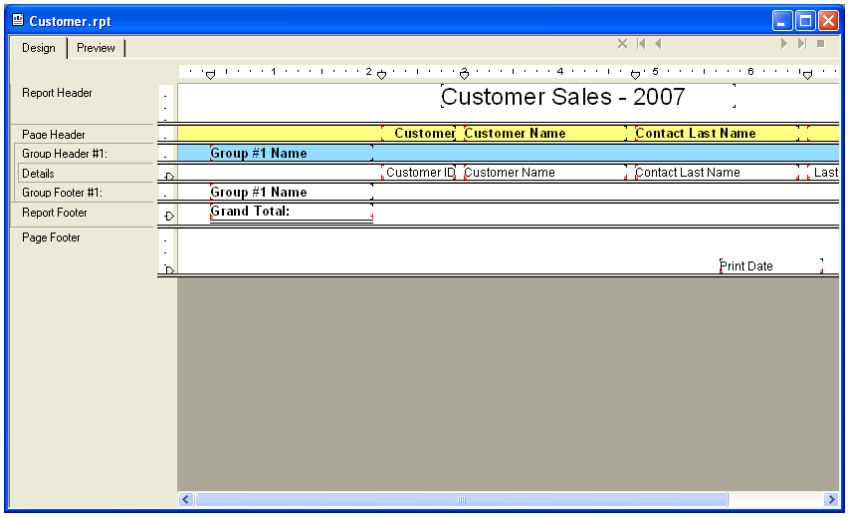

Figure 2: Report in Crystal

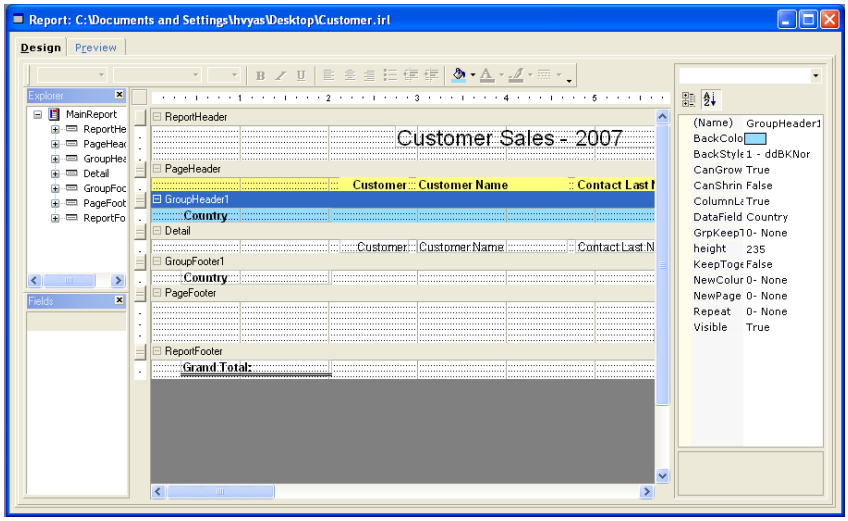

Figure 3: Report in imported in Intellicus

The Imported report

The imported report looks just like any other report designed in Intellicus Studio. You will observe that many of the report components on crystal report layout are imported in the IRL as it is along with their property values.

Following information will not be imported from a crystal report template to Intellicus report:

- Connection information
- OLAP Grid Object
- Blob Field Object
- Cross-tab Object
- Conditions
- Conditional formatting
- Grid & Rules settings

- Picture
- OLE
- Notification

Formula fields with formula script are imported as-it-is and needs to be re-written in JavaScript syntax.

For controls that are imported,

- Properties that are available in Crystal but not in Intellicus are not imported.
- Properties that are available in Intellicus but not in Crystal, are imported with default value.

Scripting

Scripts are imported as it is (in the form of comments) and can be viewed and edited using Script editor in Intellicus. Scripts are imported in respective sections on OnFormat event.

Imported script will have following structure:

<control name> <property name> <script code>.

Page Settings

Supported page sizes are: A4, B5, Letter and Legal. If the paper size specified in crystal report is other than any of these four, Default paper size will be set in the imported report.

Following page settings are imported from a crystal report layout to IRL:

Property Name (Crystal)	Property Name (Studio)
Paper Size	Paper Size
Orientation	Orientation
Top Margin	Top Margin
Left Margin	Left Margin
Bottom Margin	Bottom Margin
Right Margin	Right Margin

Following properties existing in Crystal are not imported in Intellicus:

- PaperSource
- PrinterDuplex

Note: If default printer is selected, then default page setting specified in the default printer is selected, no the one specified in report. Presently supported paper sizes are: PaperA4, PaperB5, PageLetter and PaperLegal. Any other paper size will be treated as default paper size.

Sections

All the sections available in crystal report layout are imported in Intellicus. Dimension of sections and controls within sections are imported and placed as they were in crystal report layout.

Note: If the report being imported had multiple section headers and footers, Intellicus will merge all the section headers into one and all the section footers into one.

A section has section properties. At the time of import, properties of the first section (including formatting related properties) are imported. From other sections, only controls along with their respective properties are imported.

Following properties and their values are imported when a section is imported in Intellicus.

Property Name (Crystal)	Property Name (Studio)
Suppress	Visible
Print At Bottom of page	
New Page Before	NewPage
New Page After	NewPage
Keep Together	KeepTogether
Background Color	Backcolor
SectionHeight	Height
	BackStyle

Following properties existing in Crystal are not imported in Intellicus:

- Suppress
- ResetPageNumberAfter
- SupressIfBlank
- UnderlaySection
- GroupCondition
- HideForDrillDown
- HorizontalGap
- NumberOfTopOrBottomNGroups
- RepeatPageNumberAfter
- SortDirection
- TopOrBottomNSortField

Data for the report

A crystal report may have fields that are coming from one or multiple databases. An Intellicus report can get data only from one data connection.

If the report being imported has fields coming from multiple databases, the report will get imported and the fields that have lost connection with their database in Intellicus, will behave as labels.

If the crystal report has one or more tables and no stored procedures, report layout as well as SQL part will be imported. If crystal report has stored procedure, import process has following limitations:

- If the crystal report has one or more tables and no stored procedures, report layout as well as SQL part will be imported.
- If the crystal report has both – table and stored procedure, then only report layout will be imported SQL will not be imported.
- If the crystal report has a stored procedure (that does not have parameter(s)), only report layout will be imported SQL will not be imported.
- If the crystal report has only stored procedure with one or more parameters, report layout as well as SQL part will be imported.
- If the crystal report has multiple stored procedures, only report layout will be imported, SQL will not come.
- For MS Access data source, query does not convert properly.
- If Record Selection Formula is specified in crystal report, then during conversion, record selection formula is appended in SQL query as it is. You need to convert it in proper SQL syntax at later stage.
- If crystal report is designed using linking manager and record selection formula is specified in crystal report then imported SQL in IRL should be checked for validity. This is because record selection formula can have any SQL script syntax that can be different then what we have in IRL.

Label

When a label object is imported, following properties are imported along with their values:

Property Name (Crystal)	Property Name (Studio)
Text	Caption

Property Name (Crystal)	Property Name (Studio)
Common	
Suppess	Visible
Horizontal Alignment	Alignment
Maximum No. Of Lines	Multiline
Border	
Line Style	Line Style
Drop Shadow	Border Shadow
Border Color	BorderTopColor
Background Color	BackColor
ForeColor	Forecolor
BackStyle	BackStyle
RightLineStyle	
Size	
Height	Height
Width	Width
Top	Top
Left	Left
Font	
Font	Font

Following properties existing in Crystal are not imported in Intellicus

- TextRotationAngle

- Hyperlink
- CanGrow
- CharacterSpacing
- CloseAtPageBreak
- FirstLineIndent
- Keeptogether
- LeftIndent
- Linespacing
- LineSpacingType
- SupressIfDuplicated

Field

When a field object is imported, following properties are imported along with their values. This is applicable to data fields, parameter fields, formula fields, running total and SQL expression field.

Property Name (Crystal)	Property Name (Studio)
Text	Text
Common	
Suppress	Visible
Horizontal Alignment	Alignment
Can Grow	CanGrow
Border	
Line Style	Line Style
Drop Shadow	Border Shadow
Border Color	BorderTopColor
Background Color	BackColor
ForeColor	Forecolor
BackStyle	BackStyle
RightLineStyle	

Property Name (Crystal)	Property Name (Studio)
Size	
Height	Height
Width	Width
Top	Top
Left	Left
Font	
Font	Font
Data	
DataField	DataField
(received from object model)	DataSize
Output Format	OutputFormat
Running Total Properties	
FieldToSummarize	DataField
Type of Summary	Summary Func
Reset Never	SummaryRunning
Reset on Change of Group	Summary Running + Summary Group
Formula Properties, SQL Expression	
Formula Expression	Expression
Return Type	Return Type
Parameter Properties	

Property Name (Crystal)	Property Name (Studio)
Prompting Text	Prompt
Value Type	Param Input Type
Allow Multiple Values	Multi select default value
Default value	Default Value
Special Field Properties	
Data date, Print Date	Data Field + Tag (Import as system fields)
Date Time, Print Time	Data Field + Tag (Import as system fields)
Page Number	Summary Type + Summary Running + Tag
Total Page Count	Summary Type + Summary Running + Tag

Following properties existing in Crystal are not imported in Intellicus:

- AmPmType
- CharecterSpacing
- CloseAtPageBreak
- CurrencyPositionType
- CurrencySymbol
- DateCalendarType
- DateEraType
- DateFirstSeperator
- DatePrefixSeperator
- DateSecondSeperator
- DateSuffixSeperator
- DateWindowsDefaultType
- DecimalSymbol
- DisplayReverseSign
- HourMinuteSeperator
- HourType
- Hyperlink
- LeadingDayPosition
- LeadingDaySeperator
- LeadingDayType
- RoundingType
- ThousandsSeperator
- ThousandSymbol
- Timebase
- UseLeadingZero
- FirstLineIndent

- EnableTightHorizontal
- KeepTogether
- LeftIndent
- LineSpacing
- LineSpacingType
- RightIndent
- RightLineStyle
- SuppressIfDuplicated
- TextRotationAngle
- UseOneSymbolPerPage
- UseSystemDefaults
- MaxNumberOfLines (Multiline)
- ZeroValueString

The summary fields in Crystal Reports and Imported in Intellicus:

- STAverage
- STCount
- STDistinctCount
- STDMedian
- STDMode
- STMaximum
- STMinimum
- STPopStandardDeviation
- STPopVariance
- STSampleStandardDeviation
- STSampleVariance
- STSum

The summary fields available in Crystal Reports and not supported in Intellicus are:

- STDCorrelation
- STDCovariance
- STDNthLargest
- STDNthMostFrequent
- STDNthSmallest
- STDPercentage
- STDPercentile
- STDWeightedAvg

Crystal report has a set of special fields. These fields are not supported in Intellicus:

- File Author
- File Creating Date
- File path and name
- Group Number
- Group Selection Formula
- Modification Date
- Modification Time
- Record Number
- Record Selection Formula
- Report Comments
- Report Title
- Total Page Count

For a formula field, following properties are not exported:

- DiscreteOrRangeKind
- EditMask
- EnableNullValue
- EnableRangeLimit
- EnableShowDescriptionOnly
- EnableSortBasedOnDesc
- MaximumValue
- MinimumValue
- NumberOfCurrentRanges
- PickListSortMethod
- PlaceInGroup

Line

When a line object is imported, following properties are imported along with their values:

Property Name (Crystal)	Property Name (Studio)
Style	LineStyle
Width	LineWeight
Color	LineColor
Suppress	Visible
Left	Left
Right	Right
Top	Top
Bottom	Bottom

Following properties existing in Crystal are not imported in Intellicus:

- ExtendToBottomOfSection

Box

Following properties and their values are imported when a line object is imported.

Property Name (Crystal)	Property Name (Studio)
Style	Shape
Width	Width
Height	Height
Fill Color	BackColor
Line Color	Line Color
Suppress	Visible
Left	Left
Right	Right
Top	Top
Bottom	Bottom

Following properties existing in Crystal are not imported in Intellicus:

- HasDropShadow
- ExtendToBottomOfSection
- CloseAtPageBreak

Sub Report

Sub report is imported as embedded. Its position and dimension information is imported. Crystal does not have concept of referenced report.

Following properties are not imported in the report:

- Backclor
- BorderColor
- BottomLIneStyle
- CloseAtPageBreak
- EnableOnDemand
- HasDropShadow
- KeepTogether
- LeftLineStyle
- RightLineStyle
- TopLineStyle

Charts

Charts are imported as bound charts. Fields placed on Group axis, as well as on Value axis are imported as it is.

Chart type

Charts of following chart type are imported:

- Side by side Bar Chart (Normal)
- Stacked Bar Chart (Normal)
- Side by Side Bar Chart (3D)
- Stacked Bar Chart (3D)
- Line Chart (Normal)*
- Stacked Line Chart (Normal)
- Line Chart (Marker)*
- Stacked Line Chart (Marker)*
- Stacked Area Chart (Normal)*
- Stacked Area Chart (3D)*
- Pie Chart (Normal)
- Pie Chart (3D)
- Radar Chart

*Imported properly when only 1 series is plotted.

Charts of following chart type are converted to their generic chart type after import:

Source chart type	Converted chart type
Percent Bar Chart (Normal)	Bar Chart
Percent Bar Chart (3D)	Bar Chart
Percent Line Chart (Normal)	Line Chart
Percent Line Chart (Marker)	Line Chart
Percent Area Chart (Normal)	Area Chart
Percent Area Chart (3D)	Area Chart
Multiple Pie Chart	Pie Chart
Proportional Pie Chart	Pie Chart

Source chart type	Converted chart type
Doughnut Chart	Bar Chart
3D Riser Chart	Bar Chart
3D Surface Chart	Bar Chart
Stacked Radar Chart	Radar Chart

Notes

3D charts of Crystal are not imported. In Intellicus 3D is a visual effect only.

Only Bar charts having horizontal orientation are imported.