Desktop Studio- Section and Control Properties

Version: 7.3

intellicus

Power To Understand Your Business

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

Contents

1 Working with Properties 4

Report Sections and applicable properties 5

Report Controls and applicable properties 6

Properties List and Explanation 10

1 Working with Properties

Every section and control has a set of properties. When you place a control on report, its properties with default values are associated with it.

All the properties are listed on Property pane. Click a section / control to view its properties in Property Pane.

Properties listed in the Property Pane will change, depending on the field control that you select from the Layout window.

The Properties list contains:

- The name of the property.
- The associated value list that can be / has been assigned to a control.

For some properties you will be required to enter a value against the property name.

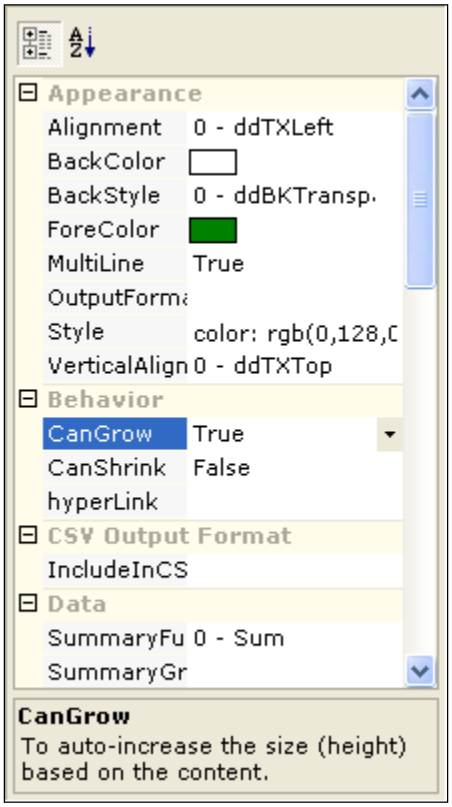


Figure 1: Properties List

The Properties list has two buttons on the title bar:

: This button lists properties grouped by category.

: This button gets you an alphabetical list of properties.

You can also apply these properties at runtime or at design time, using the **Script Editor**.

Note: Properties list will dynamically change depending on the control selected from the report layout pane.

Given below are these properties and the methods by which these properties can be applied.

Report Sections and applicable properties

Here is a list of report sections and properties applicable to respective sections:

Report

- ApplyI18nForDataFields
- DocumentName
- PrintWidth
- ScriptLanguage
- Watermark
- WatermarkAlignment
- WatermarkPrintOnPages
- WatermarkSizeMode
- XLCellHeight
- XLCellWidth

Report Header and Report Footer

- (Name)
- BackColor
- BackStyle
- CanGrow
- CanShrink
- Height
- KeepTogether (only Report Footer)
- NewPage
- Visible
- XLBackground
- XMLTagName
- XMLType

Page Header and Page Footer

- (Name)
- BackColor
- BackStyle
- CaptionPos (only Page Header)
- Height
- OnPages
- Visible
- XLBackground

Group Header and Group Footer

- (Name)
- BackColor
- BackStyle
- CanGrow
- CanShrink
- ColumnLayout
- DataField (Group Header only)
- DateGroupBy (Group Header only)
- GrpKeepTogether (Group Header only)
- Height
- KeepTogether
- NewColumn
- NewPage
- NumericGroupBy (Group Header only)
- Repeat (Group Header only)
- SortOrder (Group Header only)

- Visible
- XLBackground
- XMLTagName (Group Header only)
- XMLType (Group Header only)

Detail Section

- (Name)
- BackColor
- BackStyle
- CanGrow
- CanShrink
- ColumnCount
- ColumnDirection
- ColumnSpacing
- Height
- KeepTogether
- NewColumn
- NewPage
- Visible
- XLBackground
- XMLTagName
- XMLType

Report Controls and applicable properties

Label

- (Name)
- Alignment
- BackColor
- BackStyle
- Caption
- ClassName
- Font
- ForeColor
- Height
- HyperLink
- Left
- MultiLine
- Style
- Tag
- Top
- VerticalAlignment
- Visible
- Width
- WordWrap
- XLColumn
- XLColumnSpan
- XLRow
- XLRowSpan
- XMLCData
- XMLTagName
- XMLType
- RenderInSection

Field

- (Name)
- Alignment
- BackColor
- BackStyle
- CanGrow
- CanShrink
- Caption
- ClassName
- DataField
- DataSize
- Edit
- Font
- ForeColor
- Height
- HyperLink
- Left
- MultiLine
- OutputFormat
- Prompt
- Style
- SummaryDistinctField
- SummaryCondition
- SummaryFunc
- SummaryGroup
- SummaryRunning
- SummaryType
- Tag
- Text
- Top
- VerticalAlignment
- Visible
- Width
- WordWrap
- XLColumn
- XLColumnSpan
- XLRow
- XLRowSpan
- XMLCData
- XMLTagName
- XMLType
- RenderInSection

Checkbox

- (Name)
- Alignment
- BackColor
- BackStyle
- Caption
- ClassName

- DataField
- Font
- ForeColor
- Height
- Left
- Style
- Tag
- Top
- Value
- Visible
- Width
- XLColumn
- XLColumnSpan
- XLRow
- XLRowSpan

Barcode

Intellicus has introduced another control called, ‘Barcode’.

Barcodes are representation of data, which shows data about the report to which it attaches.

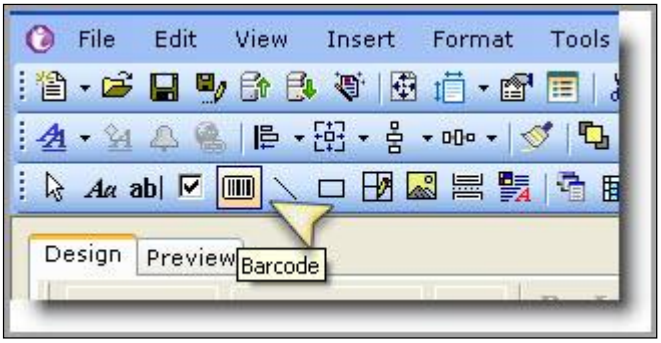


Figure 2: Barcode Control in Menu

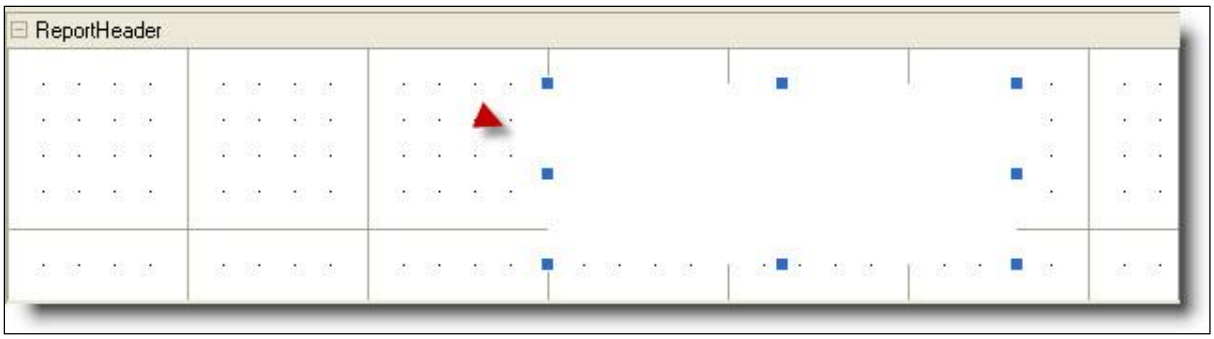


Figure 3: Drag the crosshair into the section

Barcode is a control which can be placed on anywhere on the canvas. i.e. it can be placed at any of the sections, Report Header/Footer, Page Header/Footer, Group Header/Footer or Detail.

- (Name)
- Alignment
- BackColor
- BarWidth
- Caption
- CaptionPosition
- DataField
- EnableCheckSum
- Font
- ForeColor
- Height
- Left
- Style

- Tag
- Top
- Visible
- Width

Line

- (Name)
- LineColor
- LineStyle
- LineWeight
- Tag
- x1
- x2
- y1
- y2
- RenderInSection

Shape

- (Name)
- BackColor
- BackStyle
- LineColor
- LineStyle
- LineWeight
- Shape
- Tag
- Top
- Visible
- RenderInSection
- Width

Frame

- (Name)
- BackColor
- CanGrow
- CanShrink
- CloseBorder
- Height
- Left
- Tag
- Top
- Visible
- Width

Rich Edit / Rich text box

- (Name)
- BackColor
- BackStyle
- CanGrow
- CanShrink
- DataField
- DataSize
- Height
- HyperLink
- Left
- MaxLength
- MultiLine
- Tag
- Top
- Visible
- Width
- XLColumn
- XLColumnSpan
- XLRow
- XLRowSpan

Image

- (Name)
- BackColor
- BackStyle
- DataField
- DataSize
- Height
- Picture
- Left
- PictureAlignment
- Tag
- Top
- Visible
- Width
- XLColumn
- XLColumnSpan
- XLRow
- RenderInSection
- XLRowSpan

Page Break

- (Name)
- Enabled
- Tag
- Top

Sub report

- (Name)
- CanGrow
- CanShrink
- CategoryName
- Height
- Left
- ReferencedReportName
- ReportName
- SubReportType
- Source
- Tag
- Top
- Visible
- Width

Properties List and Explanation

Alignment

This property will be available in property pane if you select a field control from the layout window. This property determines the alignment of the value (left, right or center) within the control.

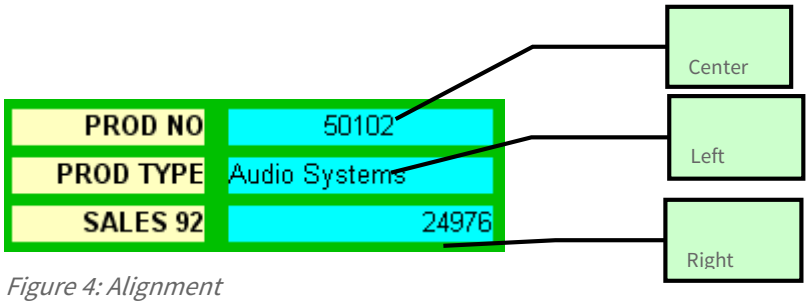


Figure 4: Alignment

Value	Description
0-ddTXLeft	To left-align the value within control. This is default alignment for character type fields.
1-ddTXRight	To right-align the value within control. This is default alignment for number type fields.
2-ddTXCenter	To center-align the text. In this type of alignment, text will be exactly in the middle within the control.

Alignment in Barcode

This property sets the alignment of the caption of the barcode.

Value	Description
0-ddTXLeft	To left-align the caption. This is default alignment for character type fields.
1-ddTXRight	To right-align the caption in the barcode.
2-ddTXCenter	To center-align the caption in the barcode.

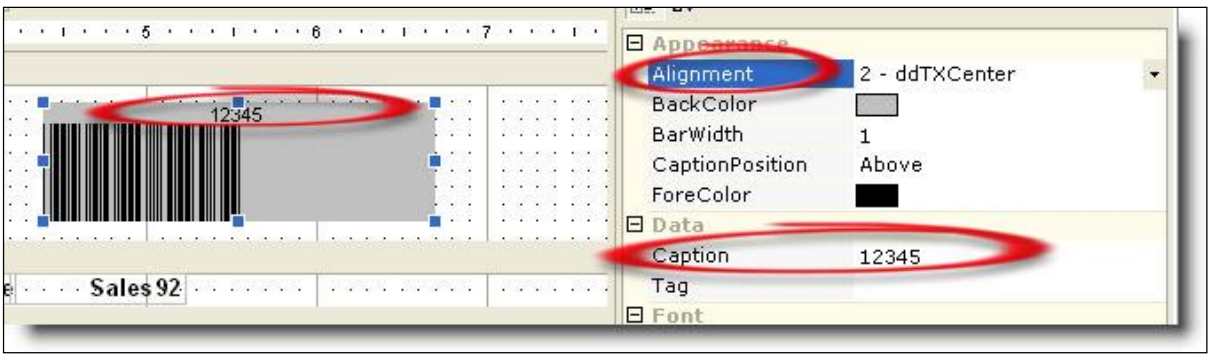


Figure 5: Alignment

BackColor

This property is used to set background color of a control or a section.

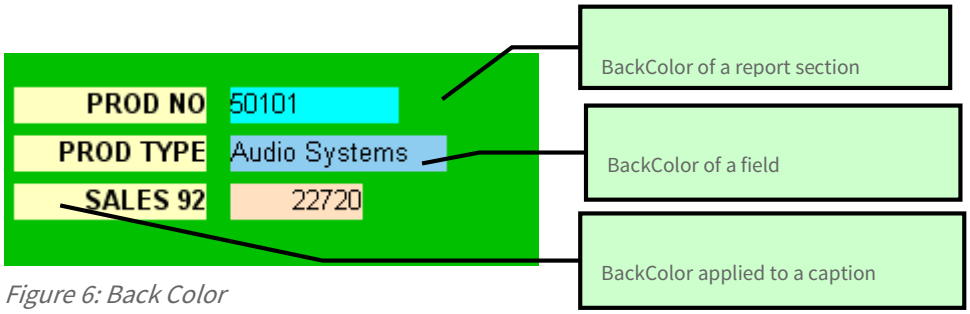


Figure 6: Back Color

Note: BackColor property will be effective only when **BackStyle** property is set to *Normal* (1-ddBKNormal) .

BackColor in Barcode

This property sets the background color of the Barcode.

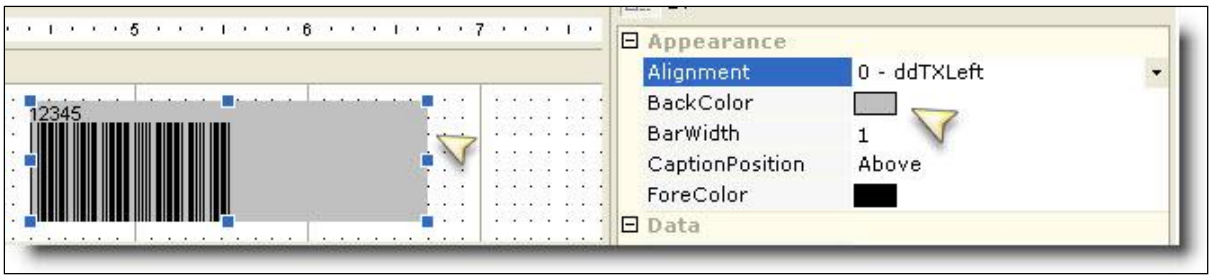


Figure 7: BackColor in Barcode

Figure 8: Showing BackColor in report using BackColor

BarWidth in Barcode

It determines the width of the bars of the barcode.

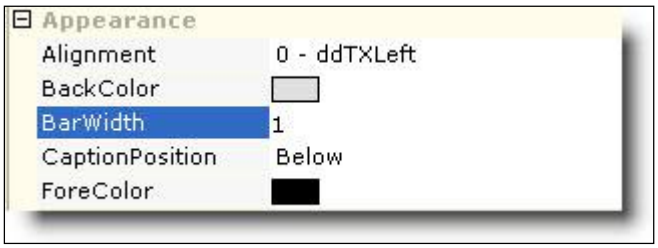


Figure 9: BarWidth is one

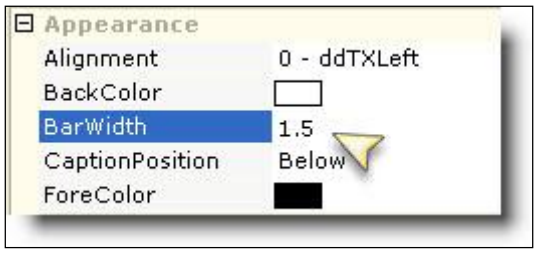


Figure 10: BarWidth as 1.5

BackStyle

This property will be available in property pane if you select a field control or a section from the layout pane. Its value determines if background color will be applicable or not.

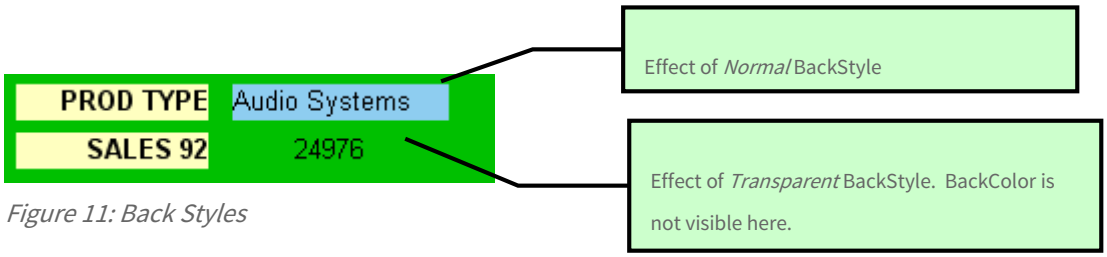


Figure 11: Back Styles

Value	Description
0-ddBKTransparent	To show the background content. This will not hide the background content by applying the BackColor.
1-ddBKNormal	To apply BackColor. This will hide background color.

You can also perform the same through the Script Editor as shown in the example below.

```
Object: Detail              Event: OnFormat
Code:
function OnFormat()
{
   if (parseInt(rpt.section("Details").controls("txtSales").dataValue)  > 1000 );
  {
    rpt.section("Details").controls("txtSales").backStyle = 1; // Back Style Normal

   }
  else
  {
   rpt.section("Details").controls("txtSales").backStyle = 0;  // BackStyle
Transparent
```

```
  }
}
```

Border

It defines the border surrounding the labels and fields. It can be changed through the shortcut menu or using the script editor.

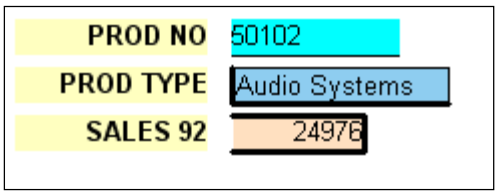


Figure 12: Different kind of borders applied on controls

An example for the same is given below to set the border to a single blue border.

```
Object: Detail            Event: OnBeforePrint
Code:
function OnBeforePrint()
{
  rpt.Sections("Detail").Controls("txtSales").borderTopStyle=1;
  rpt.Sections("Detail").Controls("txtSales").BorderTopColor="0";
  rpt.Sections("Detail").Controls("txtSales").borderLeftStyle=1;
  rpt.Sections("Detail").Controls("txtSales").BorderLeftColor="0";
  rpt.Sections("Detail").Controls("txtSales").BorderRightStyle="1";
  rpt.Sections("Detail").Controls("txtSales").BorderRightColor="0";
  rpt.Sections("Detail").Controls("txtSales").borderBottomStyle=1
  rpt.Sections("Detail").Controls("txtSales").BorderBottomColor="0";
}
```

Caption

This property is applicable for label controls. Its value is displayed for the selected label at report execution time.

CaptionPos

This property will be there on the property pane when the page header is selected. Value of this property determines position of page header on report.

Value	Description
OnAllPHs	Page header will appear on all the pages of the report.
Below RH and On all PHs following RH	On the report page where report header is setup, the page header will appear below the report header.

Caption in Barcode

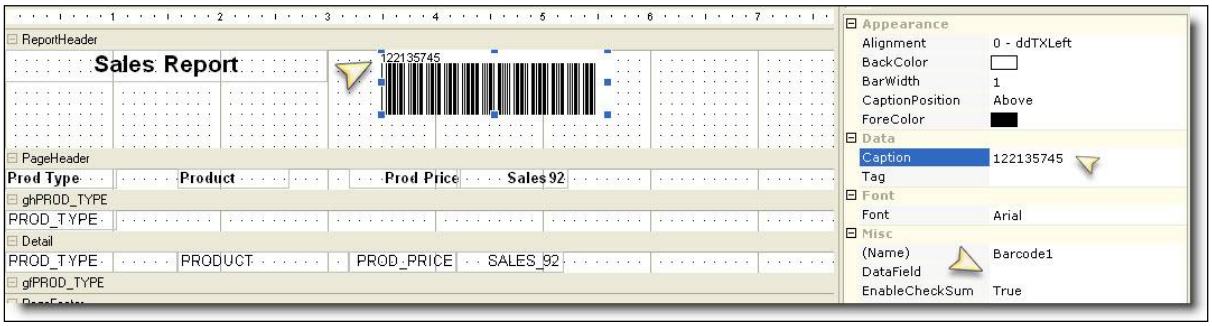


Figure 13: Caption on Barcode

Caption is text that is displayed along with barcode. The caption needs to be used if Barcode is not bound with any DataField.

If the caption is too long for barcode width to adjust, then in the barcode itself the report designer can see a message. Here the length needs to be increased so that the bars can be adjusted in the barcode area.

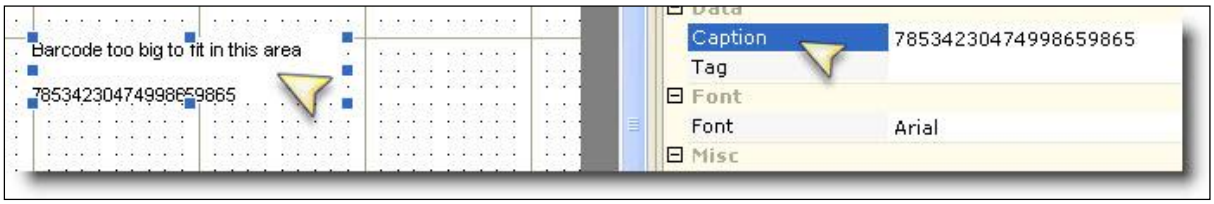


Figure 14: Bars in Barcode not fitting

CaptionPosition in Barcode

It determines the positioning of the numeric value within the barcode. It can either be placed above ('Above') the barcode or at the Bottom ('Below') of the barcode. There is a value which is 'Blank' which means even though caption is there the bars would show but caption will not be visible.

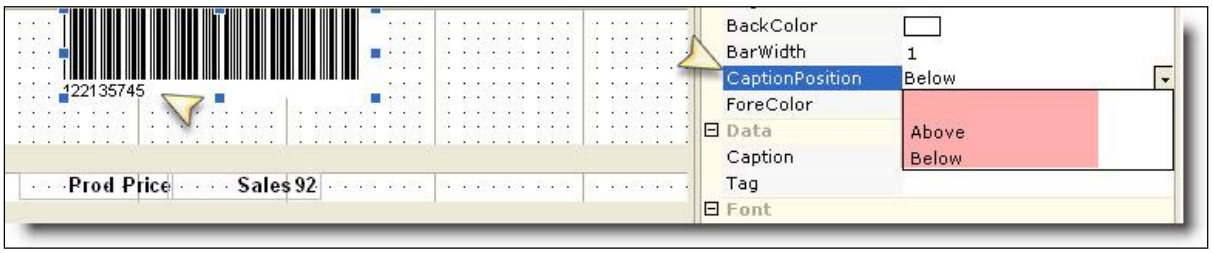


Figure 15: CaptionPosition in Barcode

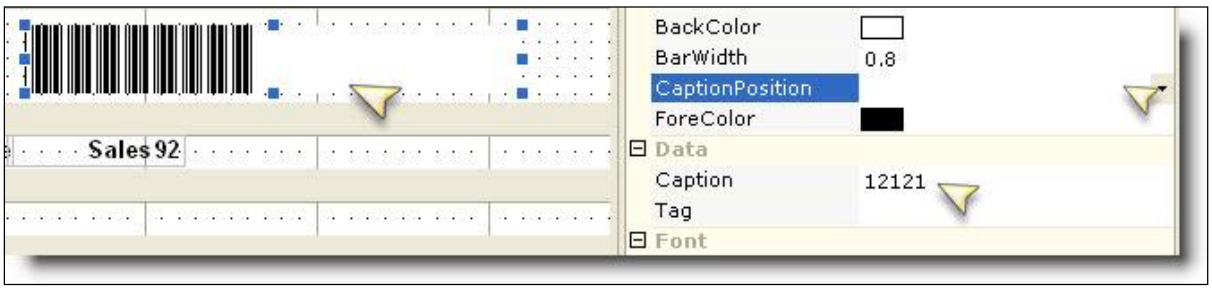


Figure 166: Caption as Blank

ColumnDirection

This property will be available if you click on a section in the layout pane. This property determines how Intellicus Studio should print the detail section in a multi-column report.

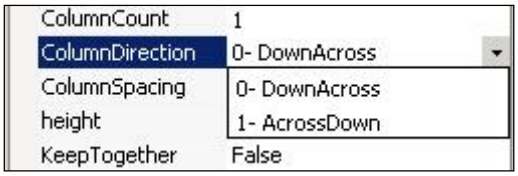


Figure 17: Column Direction

Value	Description
0-DownAcross	This will print first column from top to down and repeat the same for next column to its right. (Column-wise printing)
1-AcrossDown	This will print the first row spanning across all columns followed by next row. (Row-wise printing)

When *DownAcross* is selected, the printing will go to the next column after the column on the left is completely printed.

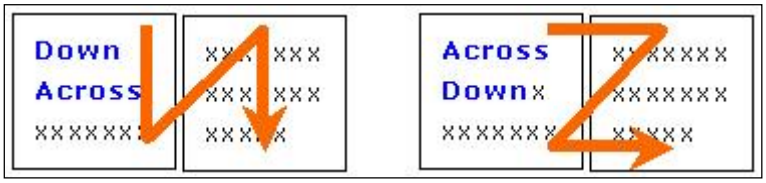


Figure 18: Report Print Directions

You can also define the same through Script Editor as shown in the example below.

```
Object: Detail              Event: OnFormat
Code:
function OnFormat()
{
  rpt.Sections("Detail").columnCount = 3;
  rpt.Sections("Detail").columnDirection = 1;}
```

DataField

This property is available for a field or a group header section. It defines the binding field and a group. This value is set to the name of any field in the data source, or the name of a custom field added into the field's collection.

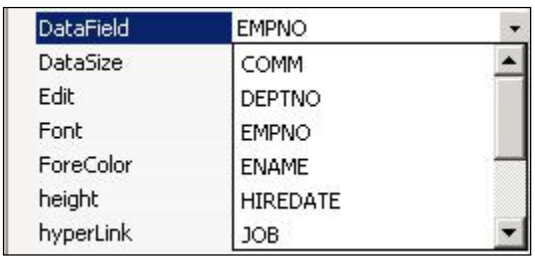


Figure 19: Data Fields

When the DataField property is set for the group, records in the detail section will be grouped by this field.

When the DataField property is set for a field, Intellicus Studio binds the field's data from each record in the database to the selected control. The record set data is first saved into the data value, and then passed through any (defined) output format, to be set as the control's text.

When using XML the DataField must be set to a valid 'Xpath' string.

Important: The base path set by the 'RecordSetPattern' is used as the starting node; if a control needs to use a higher level node, use "../" to move back a node.

The DataField property can also be used to perform calculations using scripting expression by stating the property, proceeded by an '=' symbol. This allows the fields to be set up to display the calculated results. Example;

rpt.sections("ghClient").dataField= "CustomerID";

Warning: Intellicus Studio will NOT sort the data automatically. The SQL must have proper *Order By* statement in the same sequence in which the report has been grouped.

DataField in Barcode

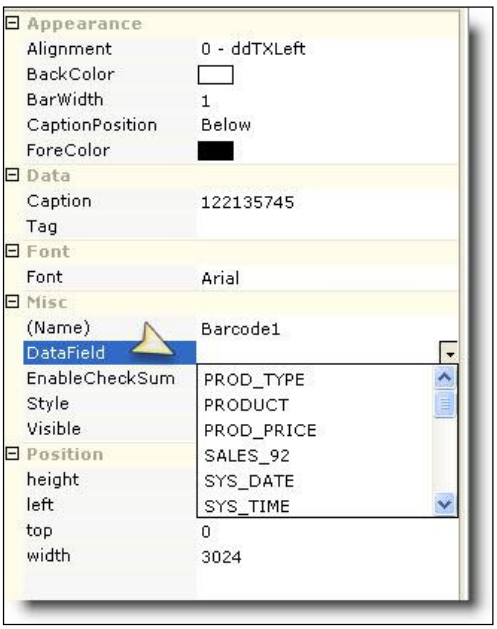


Figure 20: DataField in Barcode

It determines the value for which barcode is to be generated. If the value in Datafield is blank or is no mapped then caption used in 'Caption' shall be shown.

EnableCheckSum in Barcode

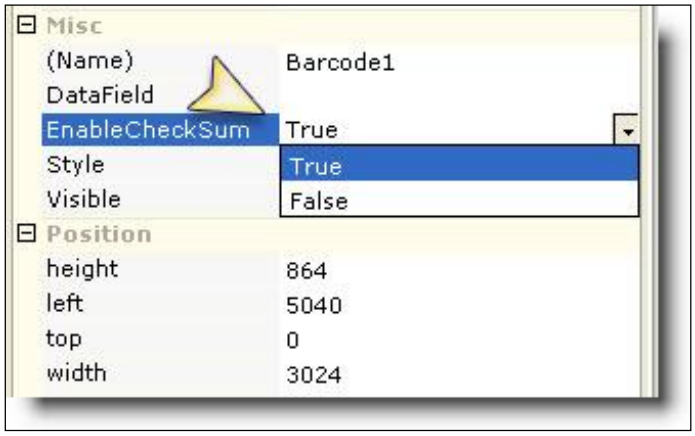


Figure 21: EnableCheckSum in Barcode

It is used to determine if CheckSum is used when the barcode is rendered.

The values can be Either True or False. Checksum is encrypted value which will help in knowing if the barcode was tampered.

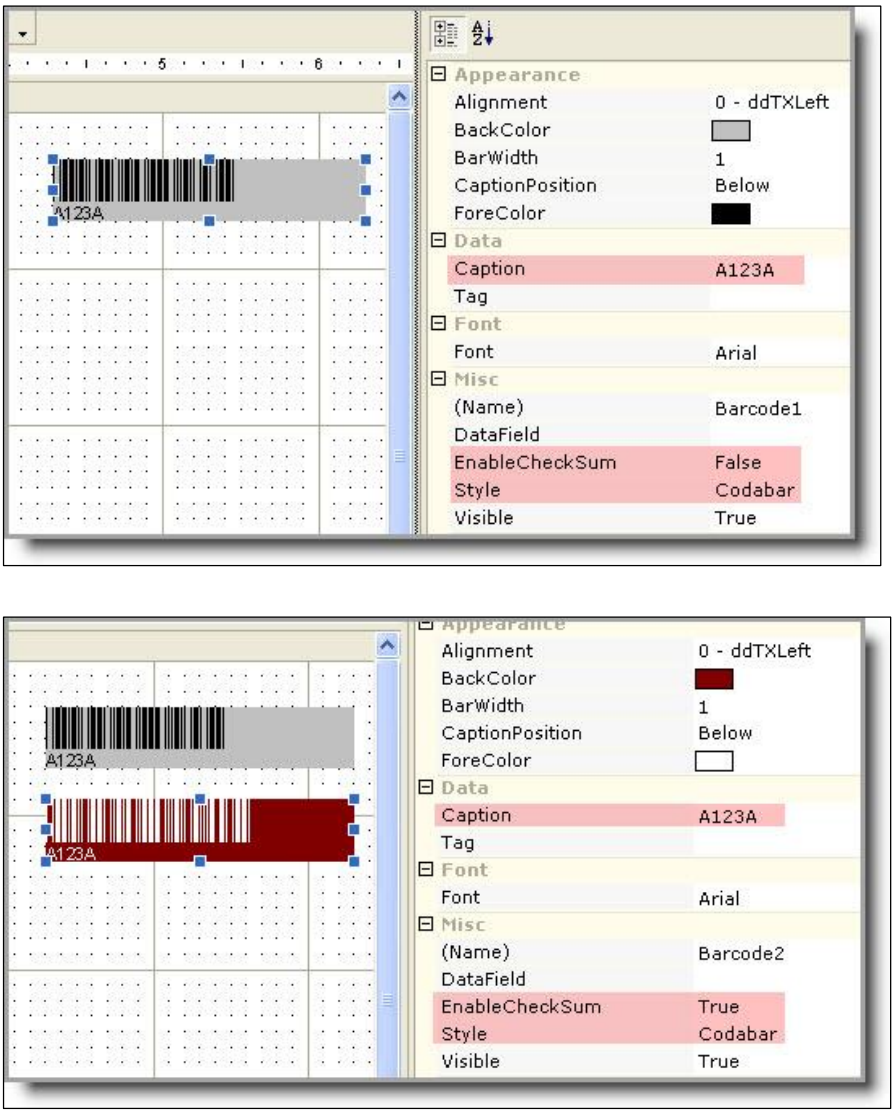


Figure 22: Enable Check Sum

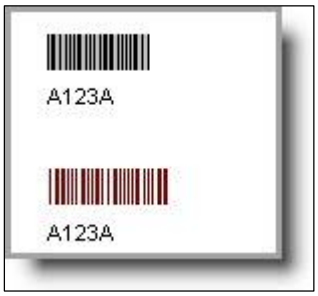


Figure 23: Preview of EnableCheckSum

NOTE: EnableCheckSum property is available for Codabar, 3of9, 3of9X and Interleaved2of9 Styles.

Image Source Type

Value of this property decides the source for selected image.

Path: Select this if image is located on local, or a network path that can be accessed from the machine where Intellicus Report Server is running.

URL: Select this if image is to be fetched from a web location.

Binary Data: Select this to pick up the image at run time from a field in database, or embed the image in report (IRL) by picking it up from a path.

Image Path

Value of this property decides the path from where the image should be picked up.

Important: This is the path to the image file on computer where Intellicus report server is running.

Font

This option will be available in the Properties list if you select a label or a field control from the layout pane. The 'Font' property allows you to set font name, size, styles, and effects. When you select this option from the Properties list, **Font** dialog box will appear to select various options for the font.

You can also change the font settings for a control at runtime, depending on conditions applied on the same. The following examples sets the sales figure above a certain value to a bold, underline format.

```
Object: Detail            Event: OnFormat
Code:
function OnFormat()
{
  if (parseInt(rpt.sections("Details").controls("txtSales").dataValue) > 10000 )
{
  rpt.sections("Details").controls("txtSales").bold = true;
  rpt.sections("Details").controls("txtSales").font.underLine = true;
}
else
{
 rpt.sections("Details").controls("txtSales").bold = false;
  rpt.sections("Details").controls("txtSales").font.underLine = false;
}
}
```

For above, you can use Conditional Formatting feature too.

Font in Barcode

This property sets the font of the caption on the barcode. The 'Font' property allows you to set font name, size, styles, and effects. When you select this option from the Properties list, **Font** dialog box will be displayed for you to select from various options.

You can also change the font settings for a control at runtime, depending on conditions applied on the same.

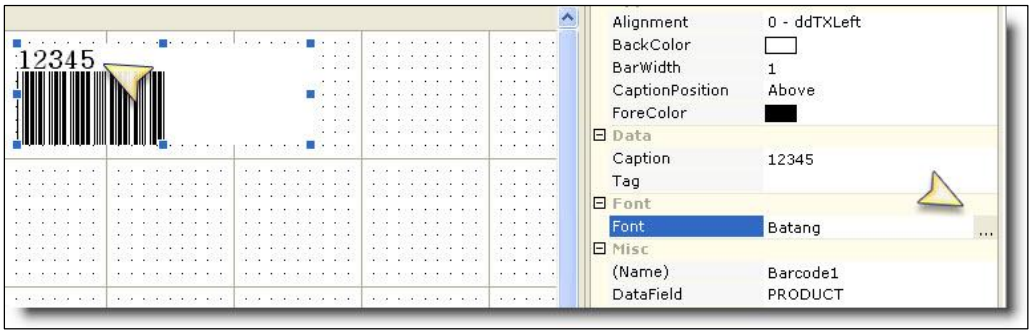


Figure 24: Font on Barcode

ForeColor

This will set the foreground (text color) of the selected control. When you choose this option from the properties window, a color palette will open up to choose colors from.

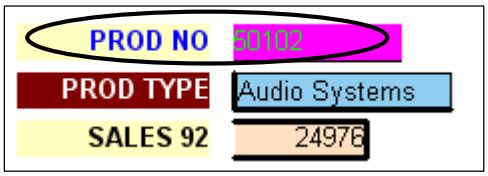


Figure 25: ForeColor (text color) applied on a control

You can also change the forecolor (text color) of a control by writing a script. The following example will display a red colored 'confidential' text at the top-left corner of each page.

```
Object: Detail            Event: OnFormat
Code:
function OnFormat()
{
 rpt.Sections("Detail").Controls("txtSales").foreColor = 25545255;
}
```

Forecolor in Barcode

This will set the fore color of the bars in the barcode. You can choose this option from color palette which is available in ForeColor property.

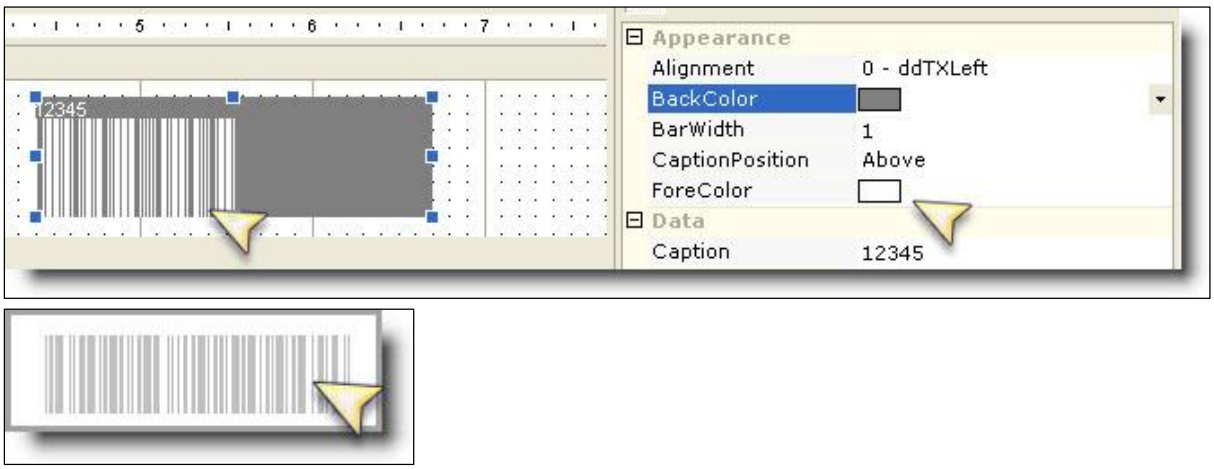


Figure 26: ForeColor in Barcode

Group Keep Together

This property will be available on property pane if you select the group section (header or footer). This option applies to group header sections and determines whether group header and group footer sections will print on the same page or not.

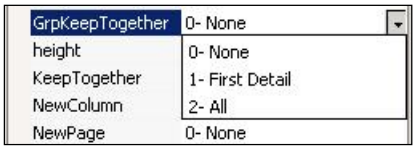


Figure 27: Group Keep Together

Value	Description
0-None	To let the group split across pages.
1-FirstDetail	To print the complete block on the same page without any page-breaks. When a complete block does not fit on a single page, it will be split across two or more pages.
2-All	To let the group header, detail, and group footer get printed on the same page.

You can achieve the same through the Script Editor. For example,

```
rpt.sections("GHCategory").grpKeepTogether = true ;
```

Height in Barcode

Using the Height property you can set the height of the barcode. The height is the complete height of the barcode control. It defines the section's height in twips.

Figure 28: Height of the Barcode control

Figure 29: Height of Barcode control and caption

Left

This property will be available in property pane when a field control is selected. It sets the distance of left boundary of the control from the left edge of the report page. The unit of measure is pixels.

Left in Barcode

This property will be available in property pane when a field control is selected. It sets the distance of left boundary of the control from the left edge of the report page. The unit of measure is pixels.

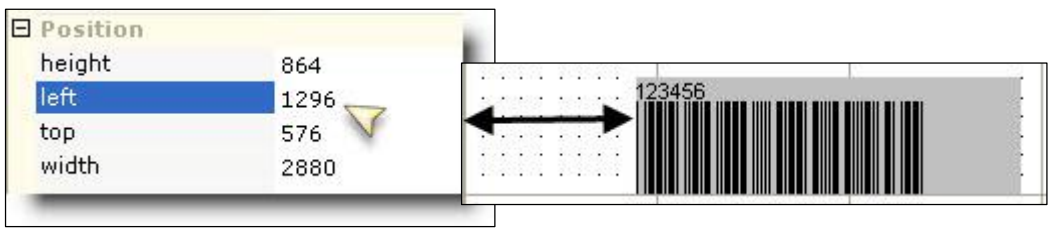
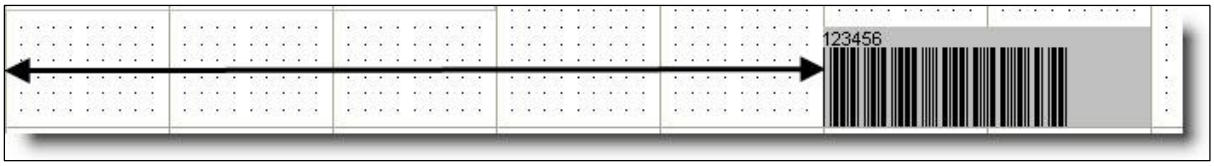


Figure 30: 'Left'from report Page



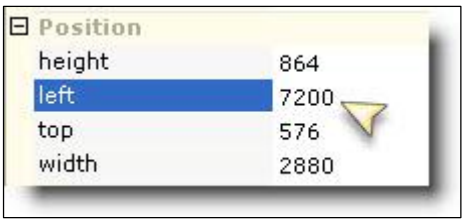


Figure 31: 'Left' from report Page

Line Color

This property will be available in property pane when a Line control or Shape control is selected. It defines the color of the Line used to draw the line or shape. You can select a color from the available options or can create color as per the need.

LineStyle

This property will be available in property pane when a Line control or Shape control is selected. Its value determines the style of line that will be applied to the selected control.

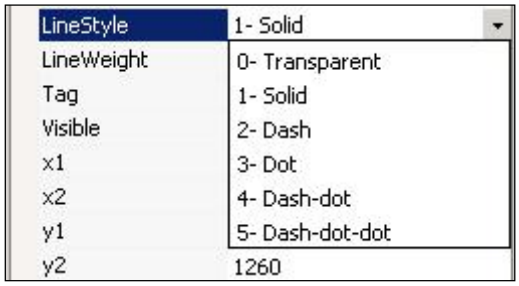


Figure 32: Line Style

Value	Mnemonic	Description
0	Transparent	This will display a transparent line.
1	Solid	———

Value	Mnemonic	Description
2	Dash	– – – –
3	Dot	.....
4	Dash-Dot	– · – · –
5	Dash-Dot-Dot	– ·· – ··

Line Weight

This property will be available in the property pane when Line control or Shape control is selected. It defines the thickness of line. A value of zero will not draw line. The line will become thicker with higher values. Unit of measure of thickness of line is pixels. You can select a color from the available options or can create color as per the need.

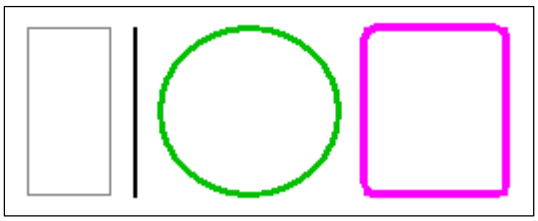


Figure 33: Line of various thickness

NewPage

This property will appear in property pane when you click on an empty part of detail section. The value set for this property will determine if the section should be printed before having a page break or after having a page break. It does not apply to a page header or a page footer section.

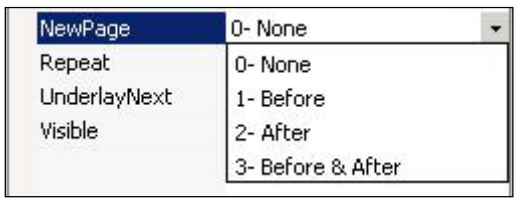


Figure 34: New Page

Value	Description
0-None	This will not give any page break before the selection.
1-Before	This will print a new section on a new page.
2-After	This will start the printing on a new page after printing the section.
3-Before & After	This will start printing the section on a new page and start a new page after printing it.

To utilize this facility through the Script Editor, follow the given example.

```
Object: Report            Event: OnReportStart

Code:
function OnDataInitialize()
{
  rpt.fields.add("rNumber");
 rpt.fields("rNumber").value = 0 ;
}
  function onReportStart()
{
  rpt.fields("rNumber").value =   parseInt(rpt.fields("rNumber").value) + 1 ;
  if ( rpt.fields("rNumber").value == 6 )
 {
   rpt.sections("Details").newPage = 2
   rpt.fields("rNumber").value = 0 ;
 }
 else
{
 rpt.sections("Details").newPage = 0 ;
}
 }
```

OnPages

This property will appear on property pane when the Page Header or the Page Footer is selected. Set this property to control appearance of the Page header or Page footer section.

This property will be effective on the Page Header or Page Footer whichever is selected while setting value of this property.

Value	Description
All Pages	Selected section will appear on all the pages.
All Pages, not with RH	Selected section will appear on all the pages, but not on page having the Report Header.
All Pages, not with RF	Selected section will appear on all the pages, but not on page having the Report Footer.
All Pages, not with RH, not with RF	Selected section will appear on all the pages, but not on page having the Report Header and not on the page having Report Footer.

Picture

This property will be available when a picture control is placed on the report (and is selected). This property sets the picture that will be placed on the report at run time. The image types that you can use are:

- bmp
- ico
- jpg
- cur
- gif
- wmf

If the image you have selected is larger than the placeholder the image will be auto-cropped equally from all the sides. If it is smaller than the placeholder, Intellicus will add equal amount of empty space on all the sides around the image.

PictureAlignment

This option will be available if you select a picture from the layout pane.

0-Top Left 1–Top Right 2-Center 3-Bottom Left 4-Bottom Right

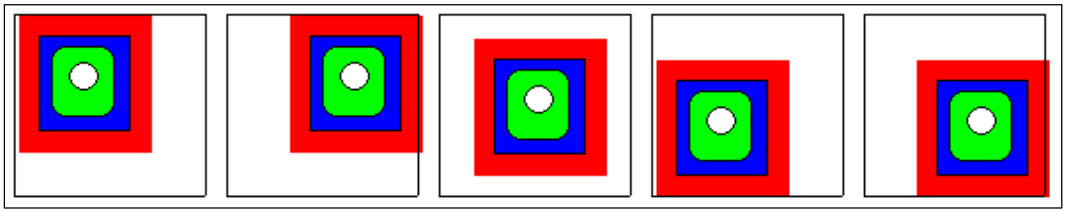


Figure 35: Picture Alignment

Value	Description
0-Top Left	To align the picture to the top left corner of the image control area.
1-Top Right	To align the picture to the top right corner of the image control area.
2-Center	To align the picture in the center of the image control area.
3-Bottom Left	To align the picture to the bottom left corner of the image control area.
4-Bottom Right	To align the picture to the bottom right corner of the image control area.

ShapeType

This option will be available if you select a shape control. The value set for the property will decide shape of the control.

Value	Description
0-Rectangle	This will give a rectangular shape to the selected object.
1-Ellipse	This will give an elliptical or circular shape to the selected object.
2-Round Rectangle	This will make the selected rectangle's edges rounded.

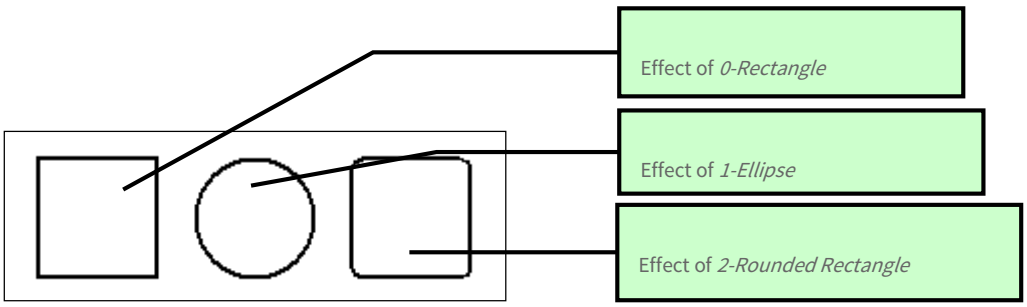


Figure 36: Shapes

Style in Barcode

It determines the style of the barcode.

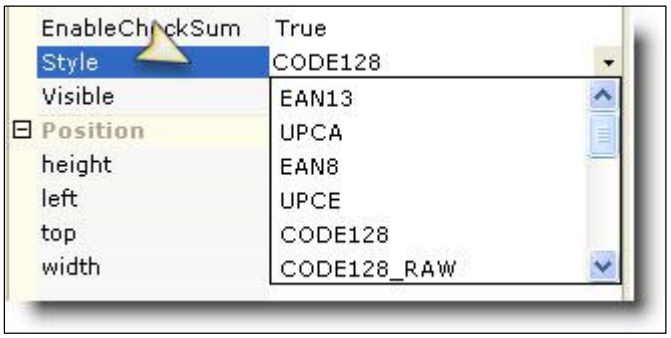


Figure 37: Style in Barcode

The styles that Intellicus supports are:

- CODE128 (Default)
- CODE128_RAW
- CODE128_UCC
- EAN13
- EAN8
- UPCA
- UPCE
- Interleaved2Of5
- Planet
- PostnetZIP
- PostnetZIP4
- PostnetZIP4DP
- 3Of9
- 3Of9X
- Codabar
- PDF417
- Datamatrix
- SUPP5

NOTE: There are certain requirements with some of the styles. It is suggested that report designers should know the styles that they are using in the report.

Examples:

The EAN13 style requires a minimum of 13 characters in data field.

The EAN8 style requires a minimum of 8 characters in data field.

The EAN13 style requires numeric value in data field. It won't work if barcode is set on String value.

SummaryFunc

This option will be available if you select a field control from the layout pane. It sets the type of the summary function used to process the selected field's values. You can use this function to create sub totals, grand totals, and other summary values.

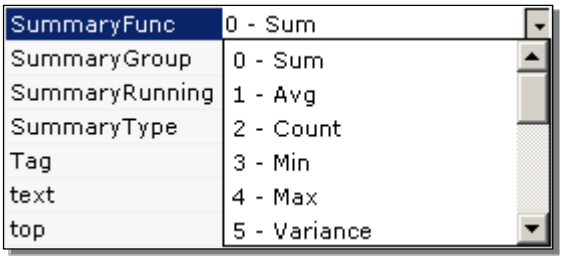


Figure 38: Summary Function

Value	Description
0-Sum	This will calculate the total of all values within the specified summary region (group, page report).
1-Avg	This will calculate the average of all values within the specified summary region (group, page or report).
2-Count	This will calculate the count of all values within the specified summary region (group, page or report).
3-Min	This will calculate the minimum of all values within the specified summary region (group, page or report).
4-Max	This will calculate the maximum of all values within the specified summary region (group, page or report).
5-Variance	This will calculate the variance of all values within the specified summary region (group, page or report).
6-PopVariance	This will calculate the population variance of all values within the specified summary region (group, page or report).
7-StdDeviation	This will calculate the standard deviation of all values within the specified summary region (group, page or report).

Value	Description
8-PopStdDeviation	This will calculate the population standard deviation of all values within the specified summary region (group, page or report).
9-DistSum	This will calculate the total based on the distinct values of another field within the specified summary region (group, page or report).
10-DistAvg	This will calculate the average based on the distinct values of another field within the specified summary region (group, page or report).
11-DistCount	This will calculate the distinct count based on the distinct values of another field within the specified summary region (group, page or report).
12-DistVariance	This will calculate the variance based on the distinct values of another field within the specified summary region (group, page or report).
13-DistPopVariance	This will calculate the population distinct variance based on the distinct values of another field within the specified summary region (group, page or report).
14-DistStdVariance	This will calculate the standard deviation based on the distinct values of another field within the specified summary region (group, page or report).
15-DistinctPopStdVariance	This will calculate the population standard deviation based on the distinct values of another field within the specified summary region (group, page or report).

SummaryGroup

You can apply page numbers at group level. Select the group on which the page numbers are to be applied.

Select SummaryRunning as RunGroup at ‘n’ Page numbering. Select SummaryRunning as None ‘m’ Page numbering to get the page count for each group.

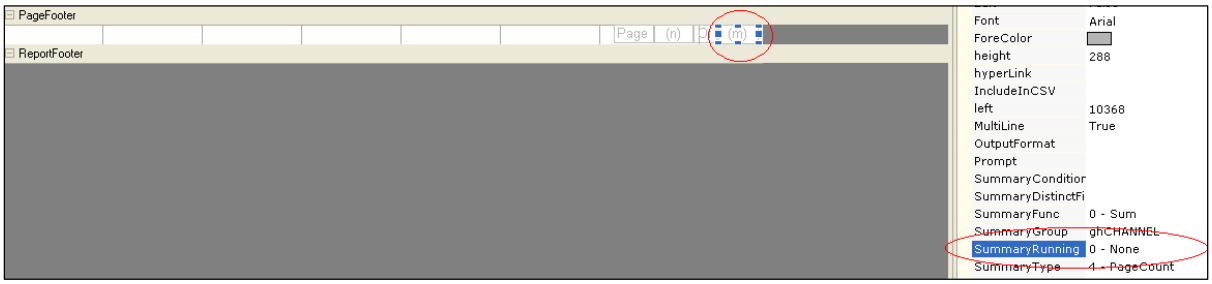


Figure 39: Summary Group

SummaryRunning

This option will be available if you select a field control from the layout pane. It determines whether the summarization will be accumulated or reset for each level (detail-, group- or page).

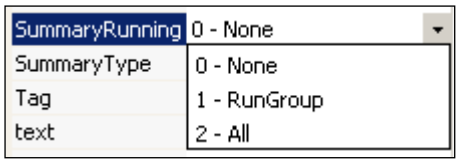


Figure 40: Summary Running

Setting this property as ‘1-RunGroup’ or ‘2-All’ will make Intellicus Studio print a running summary of the field at the group or report level.

Value	Description
0 – None	To calculate a running summary.
1 – RunGroup	This will calculate a running summary. Each value is the sum of the current value and all preceding values (within a same group).
2-All	This will calculate a running summary for all values.

Note: When using the summary functions with a field, the ‘CanGrow’ and ‘CanShrink’ properties are disabled for the field.

SummaryType

This property will appear in the property pane if a field control is selected from the layout pane. It specifies the level at which the summarization can be used on the fields.

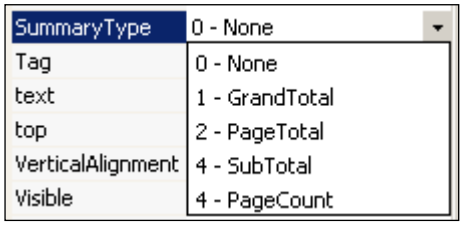


Figure 41: Summary Types

The following summary types are available:

- Sub total—Group level, for each group
- Grand total—Report level, for all records in the report
- Page total—Page level, for each page
- Page count—Total number of pages printed

If the summarized field is placed ahead of its summary level (Placing a page total in the page header or a report grand total in the report header), the containing section and the following sections will not be printed until the summary value is resolved / calculated. While using the summary functions on a field, the 'CanGrow' and 'CanShrink' properties are disabled for the selected field.

Value	Description
0-None	No summarization will take place.
1-GrandTotal	This will specify a report level summary, and evaluate the summary function for all records in the report.
2-PageTotal	This will specify a page level summary, and evaluate the summary function for all records on each page.
3-SubTotal	This will specify a group level summary, and evaluate the summary function for all records in each group level.
4-PageCount	This will specify a Page Count field.

Top

This property is available for a field control. This sets the distance of the control from the top edge of the report page. The unit of measure is pixels.

Top in Barcode

This property is available for a field control. This sets the distance of the control from the top edge of the report page. The unit of measure is pixels.

Figure 42: 'Top' Property

Visible

This property defines if the control would appear at run time or not.

Value	Description
True	The control would appear at run time.
False	The control would not appear at run time.

Visible in Barcode

This property defines if the Barcode would appear at run time or not.

Value	Description
True	The control would appear at run time.

Value	Description
False	The control would not appear at run time.

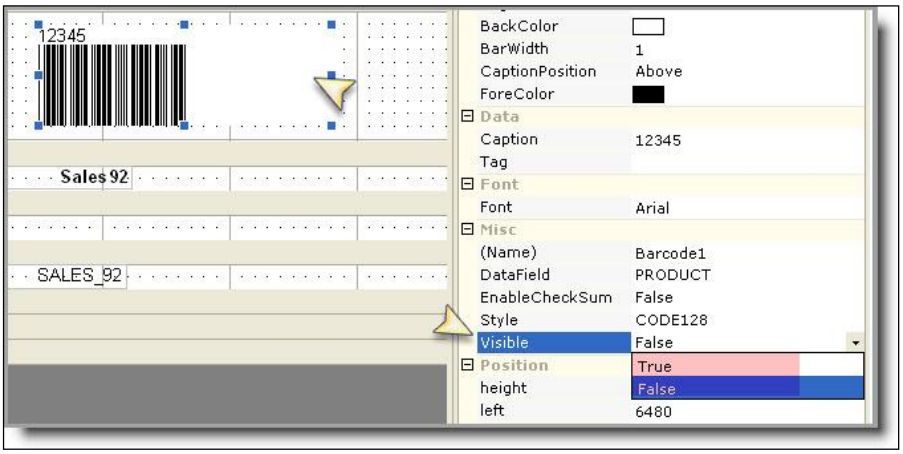


Figure 43: Barcode needs to be Visible or not

Width

This property is available for a field control. This sets the width (left to right) of the control. The unit of measure is pixels.

Width in Barcode

This property is available for a field control. This sets the width (left to right) of the control. The unit of measure is pixels.

Figure 44: Width of Barcode

Version

This option will be available in the properties pane when you select the 'Main Report' option from the Report Explorer window. It defines the products version and build number.

WaterMark

This property will appear in the property pane when you select the 'Main Report' option from the Report Explorer window. It adds a specified image to the report's background. The 'watermark' image can be positioned, sized, aligned and placed on specified pages by using the other watermark properties.

When you select this property in the property pane, Open dialog box will appear for you to choose and select the file to be used as watermark.

Note: .jpg and .gif image type can be used with Watermark. After setting an image, if you do not want the image to appear, change the value of property WaterMarkPrintOnPages to zero.

WaterMarkAlignment

This property will appear in the properties list when you select the 'Main Report' option from the Report Explorer window. It defines the watermark's general vertical and horizontal positions when it is added to the 'Canvas'.

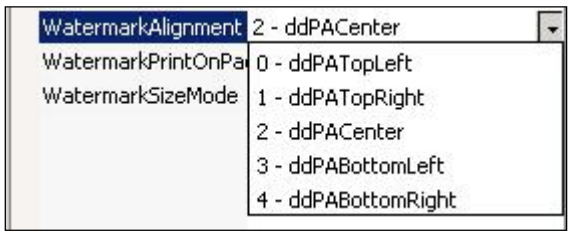


Figure 45: Watermark Alignment

Value	Description
0-ddPATopLeft	To align the watermark to the top left margin of the page.
1-ddPATopRight	To align the watermark to the top right margin of the page.
2-ddPACenter	To align the watermark in the center of the page.
3-ddPABottomLeft	To align the watermark to the bottom left margin of the page.
4-ddPABottomRight	To align the watermark to the bottom right margin of the page.

WaterMarkPrintOnPages

This property will appear in the properties pane when you select the 'Main Report' option from the Report Explorer window. Specify the number of pages on which watermark should be printed.

XLBackground

This property will appear in the properties pane when you select a section header of footer. Value selected for this property will determine if background color will be available or not when report is exported in Excel.

Value	Description
True	To display background color when report is exported in Excel.
False	To hide background color when report is exported in Excel.

XLColumn

Set value for this property if this report will be exported to MS Excel format. Value set in this property decides the column in which selected control will be rendered.

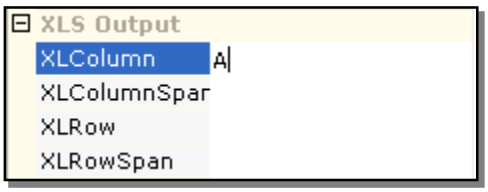


Figure 46: XL Column

The exact column will be calculated based on location of the control in the section and values set in **XLCellHeight** and **XLCellWidth** properties.

XLColumnSpan

Set value for this property if this report will be exported to MS Excel format. Value set in this property decides the number of cells to be kept blank before rendering the next control on its right.

Figure 47: XLColumnSpan

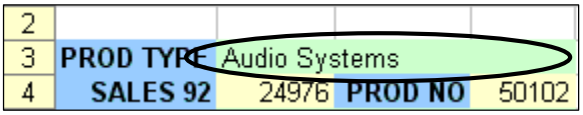


Figure 48: ColumnSpan set to 3

For example, value in column A is long and may extend 5 columns, set this property to 5. This will ensure that value of the next field is placed in column F. If the data is smaller in width and does not expand all the columns, format is copied in all the columns.

XLRow

Set value for this property if this report will be exported to MS Excel format. The value set in this property will decide relative row number in which the control should be placed. It actually works like previous row count plus the value set here.

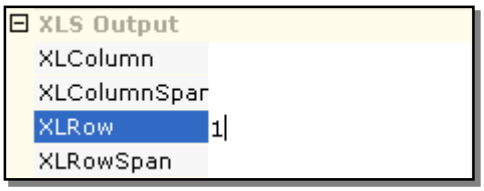


Figure 49: XLRow

The exact row number will be calculated based on location of the control in the section and values set in XLCellHeight and XLCellWidth properties.

Note: To decide the actual row in which this control will be placed, Intellicus adds the value of XLRow in the row number in which control of the previous record was placed. For example, for a control placed in detail section, if last record was placed in row 5, XLRow = 1 will make sure next record is placed in row 6, that is, (5 + 1).

XLRowSpan

Set value for this property if this report will be exported to MS Excel format. It is used to define number of rows to be kept blank below the cell. Format is copied in all the columns.

The exact count of row will be calculated based on location of the control in the section and value of XLCellHeight and XLCellWidth properties.

Figure 50: XLRowSpan

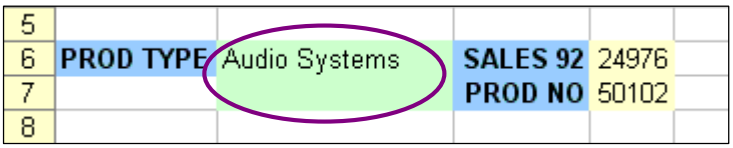


Figure 51: RowSpan set to 2

For example, after cell A1, to keep cells A2 and A3 empty, set XLRowSpan to 3. This will ensure that value of the next record is placed in row A4.

XMLTagName

Set value for this property if this report will be exported to XML format. Use this property to specify the tag-name for selected control. This tag name will be used when this report is exported in XML.

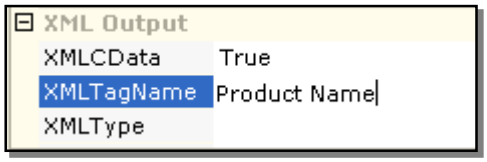
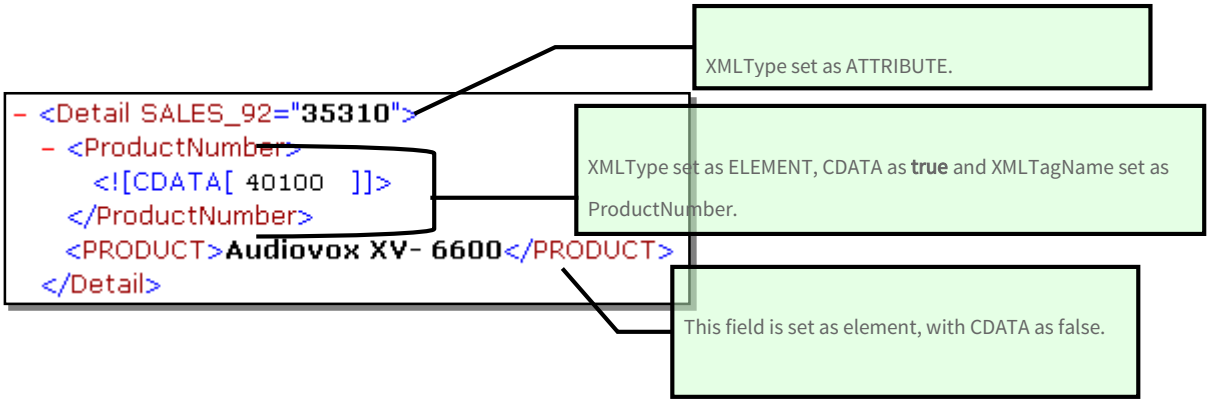


Figure 52: XMLTagName

If by default the property is kept blank. In this case, field name is used as tag name.



XMLType

Set value for this property if this report will be exported to XML format. Value set in this property decides if the control should be included in XML output or not.

- **EXCLUDE:** To exclude this control from XML Output.
- **ELEMENT:** To include this control as an element of XML.
- **ATTRIBUTE:** To include this control as an attribute of XML.

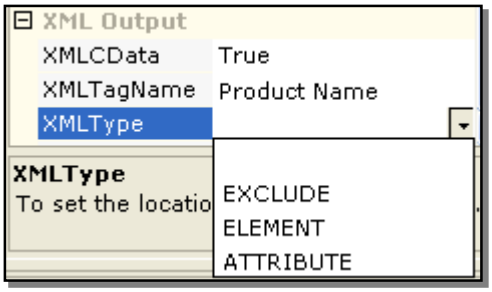


Figure 53: XML Type

By default the property does not have any value. In this case, the value is considered as element.

XMLCdata

Set value for this property if this report will be exported to XML format. Value set in this property decides if the control should be included in XML output or not. Leave this as TRUE if data for this field may contain character(s) that violets XML Specifications. When it is set to TRUE, data is placed in CDATA.

Note: This property can be used only if XMLType is ELEMENT.

CanGrow

This property will appear in the properties list if you a section (except page header/ footer) from the layout pane.

It determines whether the section height will expand, if any of its contained controls grow beyond its area.

Value	Description
True	The section contents will not be clipped to the height of the section.
False	The section contents will be clipped to the height of the section.

Note: This property does not apply to PageHeader and PageFooter sections.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("Detail").controls("txtName").canGrow = true;
```

CanShrink

This property will be available in the Properties list if you select any section (except page header/footer) from the layout pane. It determines whether the section height will be adjusted to fit its contents.

Value	Description
True	The section will shrink beyond the minimum value defined by its Height property.
False	The section will not shrink beyond the minimum value defined by its Height property.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("Detail").controls("txtName").canShrink = false;
```

Note: This property does not apply to PageHeader and PageFooter sections.

ColumnCount

This option will be available in the properties list only when the details section is selected. It defines the number of columns in the report. This property can be used to print labels, or phonebook style listings. The width of each column equals the 'PrintWidth' of the report divided by the number of columns.

You can use the 'ColumnLayout' property to force associated group headers and footers to follow the same column format as their detail section.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("Detail").columnCount = 3 ;
rpt.sections("Detail").columnDirection = 1;
```

ColumnLayout

This property will appear in the properties list if the group header/ footer section is selected. It determines whether a group header section should use the same column layout as of its detail section.

Value	Description
True	The number of columns in a detail section will be reflected in the associated group headers and footers.
False	The number of columns in a detail section will not be reflected in the associated group headers and footers.

Note: This property applies to group header and group footer sections only.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("GHLocation").columnLayout= false
```

ColumnSpacing

This option will be available in the Properties list if you select the detail section only. It defines the space between columns (in twips) in a multicolumn report.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("Detail").columnSpacing= 0.5 * 1440
```

Height

This option will be available in the Properties list if you select any section from the layout pane. It defines the section's height in twips.

Important: A section's height can only be changed using the 'Format' event, the 'ReportStart' event, or before the report is run.

Changing the height will not automatically reposition the controls inside the section.

To perform the same using the Script Editor, type the following code:

```
rpt.sections("Detail").height = 2*1440
```

KeepTogether

This option will be available in the properties pane if you select any section (except page header/ footer) from the layout pane. It determines whether a whole section should print on the same page.

Value	Description
True	The section will print on the same page without any page breaks.
False	The section will split across two or more pages.

To perform the same using the Script Editor, type the following code:

```
rpt.sections ("Detail").keepTogether = false;
```

Name

You can utilize this option only through the Script Editor. It sets or returns the unique identifying name of the section.

NewColumn

This property will appear in properties list if detail section is selected from layout pane.

This property determines whether Intellicus Studio should insert a column-break before and/ or after printing the section.

Note: This property does not apply to report header, report footer, page header, and page footer sections

Value	Description
0-None	No page-break before the section.
1-Before	Start printing the section on a new page.
2-After	Start a new page after printing the section.
3-Before and After	Page-break before and after a section. Start printing the section on a new page and start a new page after printing it.

To perform the same using the Script Editor, type the following code:

```
Object: Detail            Event: OnFormat
Code:
Section :  Report Level
 event : OnDataInitialize
 function OnDataInitialize()
{
  rpt.fields.add("rNumber");
 rpt.fields("rNumber").value = 0 ;
}

 Section : Detail
 event " OnFormat();
function onFormat()
{
  rpt.fields("rNumber").value = parseInt(rpt.fields("rNumber").value) + 1 ;
  if ( rpt.fields("rNumber").value == 6)
  {
    rpt.section("Detail").newColumn = 2
    rpt.fields("rNumber").value = 0 ;
  }
  else
  {
    rpt.section("Detail").newColumn = 0 ;
  }
}
```

NewPage

This property will appear on properties list if you the details section from the layout pane. It determines whether Intellicus Studio should insert a page-break before and/ or after printing the section.

Note: This property does not apply to page header or page footer sections.

Value	Description
0-None	No page-break before the section.
1-Before	Start printing the section on a new page.
2-After	Start a new page after printing the section.
3-Before and After	Start printing the section on a new page and start a new page after printing it.

To perform the same using the Script Editor, type the following code:

```
Object : Repot           event : OnDataInitialize
function OnDataInitialize()
{
rpt.Fields.add("Pre_Val");
rpt.Fields("Pre_Val").value=0;
}


Object : Detail           event : OnFormat


function OnFormat()
{
  rpt.Fields("Pre_Val").value =   parseInt(rpt.Fields("Pre_Val").value) + 1 ;
  if ( parseInt(rpt.Fields("Pre_Val").value) == 6 )
 {
   rpt.Sections("Detail").newPage = 2;
   rpt.Fields("Pre_Val").value = 0 ;
 }
 else
 {
    rpt.Sections("Detail").newPage = 0 ;
 }
}
```

PrintAtBottom

You can utilize this option from the Script Editor only. It determines if the group footer or report footer be printed at the bottom of the page. If 'PrintAtBottom' is set to 'True' and the report will have page footer, and the group footer or report footer will be printed above it.

Warning: Setting more than one section to print at the bottom will cause the subsequent footer sections to be printed on separate pages.

To perform the same using the Script Editor, type the following code:

```
Object: GroupFooter1          Event: OnFormat
Code:
rpt.sections("groupFooter1").printAtBottom = true;
```

Visible

Visible property determines whether the section is to be printed or not.

Value	Description
True	The section will be printed.
False	The section will not be printed.

To perform the same using the Script Editor, type the following code:

```
if (rpt.sections("Detail").controls("txtAccount").dataValue == null )
  {
    rpt.sections("Detail").visible = false
  }
```

XLCellHeight

This property is applicable when a report is going to be exported in MS Excel. When value for XLColumn and XLRow is not set, value set in this property decides height of cell.

XLCellWidth

This property is applicable when a report is going to be exported in MS Excel. When value for XLColumn and XLRow is not set, value set in this property decides width of cell.

XLBackground

This property is applicable when a report is going to be exported in MS Excel.

Value	Description
True	Background will be applied in MS Excel output.
False	Background will not be applied in MS Excel output.

Name

Sets or Returns the name of the field. It should be unique within the collection, and is used as a key of the field in the collection.

To perform the same using the Script Editor, type the following code:

```
function OndataInitialize()
{
  rpt.fields.add("OrderID");
}
```

Tag

Sets or returns a user defined value associated with the field object.

Value

Sets or returns the current value of the field object.

To perform the same using the Script Editor, type the following code:

```
function OnFetchData(eof)
{
 rpt.Fields.("Amount").value = parseInt(rpt.Fields("Qty").value *
rpt.Fields("Price").value);
}
```

RenderInSection

Page Header is rendered before the Report Header. Using the RenderInSection property you can now mention the placement of Fields, labels, Line, image or shape.

RenderInSection (Caption Header)

The Fields, labels, Line, image or shape shall be rendered along with Caption Header.

RenderInSection (Page Header)

The Fields, labels, Line, image or shape shall be rendered along with Page Header.

Ranking Field

This property is available on Group Header.

Set Ranking Field when for a grouped report, if you want to set order of appearance of groups based on total of a group. For example, groups are required to be in descending order of "Total Sales" for the group. If "Total Sales" of "East Region" is 1000 units and "Total Sales" of "West Region" is 1900 units, then, "West Region" group detail will appear before "East Region" group details.

Ranking Field is the one based on which ranking will be decided. In above example, "Sales" would be the ranking field.

Ranking Function

This property is available on Group Header.

This is the function applied to calculate value in the field set in Ranking Field.