

TECH TIP

CREATING CONDITIONAL ROW BORDERS BI PUBLISHER

A report can require a border to appear around a specific set of values based on a condition. The following steps discuss how this can be achieved using BI Publisher Desktop for Word.

Here is a RTF design of a simple table displaying invoice numbers and their associated amounts.

File	Home Insert Page Layout	References Review	View BI Publishe			
Log On	Image: Bog Off Image: Bog Off Image: Bog Off Image: Bog Of	Sample XML Load Data	Table Pivot Chart	Field Image: Conditional Format Table/Form Image: Conditional Region Repeating Group All Fields Insert	PDF Excel2000	Tools O
L		1	3 1	· 4 · · · 1 · · · 5 · · · 1 · · · 6	· · · · · · · · · · · · · · · · · · ·	
- -						٦
•		Invoice	e Number	Invoice Amount		- 1
-		GR INVOIC	CE_NUM	\$100.00 EG		
-						

The data form fields INVOICE_NUM and ACCTD_AMT (displayed as '\$100.00') appear in the row.

These tech tips are offered free of charge in the spirit of sharing knowledge with others. They do not include technical support, should you have a problem with them. We are always interested in how they can be improved, please do not hesitate to email us your comments. These tips have been thoroughly tested by our consultants in a variety of environments. Please read these tech tips thoroughly and be sure that you understand them before trying to use them. We can not be responsible for issues that evelop because of the configuration of your hardware, technical environment or application of the tech memos. If you are not sure, then we urge you constact Oracle technical support or your local support consultant for assistance.

BI Publisher Properties	BI Publisher Properties
Properties Advanced General Data Field Data Field INVOICE_NUM Text to display INVOICE_NUM Formatting Type Regular Text Format Encree LTB	Properties Advanced General Data Field Data Field ACCTD_AMT Text to display \$100.00 Formatting Type Type Number Format \$#,##0.00;(\$#,##0.00) Force LTB
Data Aggregation Function Scope Normal Word Properties OK Cancel	Data Aggregation Function Scope Normal Word Properties OK Cancel

The GR and EG represents the Repeating Group instruction form fields. INVOICE_NUM and ACCTD_AMT will be repeated for each G_INVOICE_NUM in the XML data.

I	nvoice Nun	nber	Invoice	Amount	
GR I	NVOICE_N	UM		\$100.00	EG
_					
BI Pu	ublisher Propertie	es		×	
Pro	perties Sorting	Advanced			
	Loop				
	For Each	G_INVOICE_NUM		•	
		Absolute Path			
	Group By			•	
	Break:	No Break	•		
	Data already :	sorted			
	/ord Properties		ОК	Cancel	

The borders are initially displayed to highlight the table layout. There are four columns and four rows. Top row is the header; second and fourth are separator rows with the third as the main data row. Note the cells with GR and EG are merged cells. This will make the last separator row also repeat.



	Invoice Number	Invoice Amount	
GR	INVOICE_NUM	\$100.00	EG

Here is the PDF output when previewing the RTF. Note the borders have been removed before the preview.

Invoice Number	Invoice Amount
981110	\$1,220.00
100000	\$208.33
100001	\$933.33
1	\$1,066.67
100004	\$1,600.67
00s	\$160.67
FI1009	\$1,003.33
100002	\$1 18.73
100003	\$500.52
2001	\$1,043.00
2002	\$1,500.00
2003	\$505.23
2004	\$1,010.46
3001	\$1,000.00
FI1011	\$1,010.46
3001	\$ <mark>1</mark> 30.00
FI1013	\$22,500.00
FI1010	\$406.67
FI1031	\$1,800.00
3002	\$252.61
FI1012	\$50,000.00
FI1014	\$27,000.00

To create a border around a row of data based on a condition, a Conditional Region will be inserted. In the example two are required, one for each cell with a data form field.

Insert the Conditional Region before each of the data form fields. The example condition used is invoice numbers with an amount greater than 1000. Select ACCTD_AMT as the Data field as Number with Condition 1 'Greater than' and enter the value 1000.



References Review	View BI Put	blisher		
Sample XML	Table Pivot C Wizard Table	Lhart E Repeating Group	 Conditional Format Conditional Region All Fields 	 PDF Excel2000 HTML W RTF Excel PowerPoint
Load Data		Insert		Preview
· · · · · · · · · · · · · · · · · · ·	3 1	· · · 4 · · · 1 · · · ·	Conditional Region BI Publisher Templa Word 64bit	te Builder for

Conditional Regio	n	×
Properties Adva	nced	
General		
Data field	ACCTD_AMT	▼ Number ▼
Condition 1		
Data field	Greater than	▼ 1000 ▼
		OK Cancel

Clicking OK will create two instruction form fields C and EC (highlighted in red), which represent the beginning and end of the Conditional Region. The EC field should be removed since the closing of the conditional region will be included in the C form field.

	Invoice Number	Invoice Amount
GR	C INVOICE_NUM	EC\$100.00 EG

Insert another Conditional Region (not copying) with same condition set up before the ACCTD_AMT form field. Name this C2 from the Advanced tab.



Conditional Region		X	
Properties Advanced	ł		
Code			
if:number(ACCTD</td <th>_AMT)>1000?></th> <td>*</td> <td></td>	_AMT)>1000?>	*	
Text to display	C2		
		OK Cancel	

Remove the EC as well and the table will now look like this. The second Conditional Region has been highlighted in blue.

	Invoice Number	Invoice Amount	
GR	C INVOICE_NUM	C2\$100.00	EG

Code will be added to each of the Conditional Region form fields (C and C2), which will display the borders when the condition is met. Since a border is being displayed around the data form fields not all borders of the cells will be effected. The INVOICE_NUM cell right border should not appear and similarly, the ACCTD_AMT cell left border should not display.

This is the code broken out for the C field. If the condition is met it will make changes to the top, bottom and left border attributes with each having its style as solid and width of 1px. If the condition is not met no changes will be made. Note there is an <?end if?> at the end which replaces the EC form fields which were removed.

<xsl:attribute xdofo:ctx="block" name="border-top-style">solid</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-top-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-style">solid</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-left-style">solid</xsl:attribute> <<sl:attribute xdofo:ctx="block" name="border-left-style">solid</xsl:attribute> <<sl:attribute xdofo:ctx="block" name="border-left-style">solid</xsl:attribute> <<sl:attribute xdofo:ctx="block" name="border-left-width">1px</sl:attribute> <?end if?>



Similarly, this is the code broken out for C2 with same changes to the top, bottom and right borders.

<xsl:attribute xdofo:ctx="block" name="border-top-style">solid</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-top-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-style">solid</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-bottom-width">1px</xsl:attribute> <xsl:attribute xdofo:ctx="block" name="border-right-style">solid</xsl:attribute> <?sl:attribute xdofo:ctx="block" name="border-right-style">solid</sl:attribute> <?sl:attribute xdofo:ctx="block" name="border-right-style">solid</sl:attribute> <?sl:attribute xdofo:ctx="block" name="border-right-style">solid</sl:attribute> <?sl:attribute xdofo:ctx="block" name="border-right-width">1px</sl:attribute> <?sl:attribute>

Highlight C and double-click or right-click and select BI Publisher > Properties.

The code is added at the end of the existing code (highlighted in blue) in the Advanced Tab. The existing code describes the condition being used, ie, IF ACCTD_AMT is greater than 1000. Note the added code is inserted as one long continuous string.

	IIIDel	
	_NUM	C2\$100.00
ublisher Properties		
operties Advanced		
Code		
f:number(ACCTD_AM<br name="border-top-style" name="border-top-width"	1 <mark>T)>1000?></mark> xsl:atti >solid">1px <th>ribute xdofo:ctx="block" =><xsl:attribute <br="" xdofo:ctx="block">=><xsl:attribute <="" th="" xdofo:ctx="block"></xsl:attribute></xsl:attribute></th>	ribute xdofo:ctx="block" => <xsl:attribute <br="" xdofo:ctx="block">=><xsl:attribute <="" th="" xdofo:ctx="block"></xsl:attribute></xsl:attribute>
Text to display	с	

Repeat this for C2 with the appropriate code as above.

Now that the existing borders are not required, they should be removed.



Select the table, right-click and select Borders and Shading. Select the None setting from the Border tab and click OK.

Invo	ice Number	Invoice Amount
GR C IN	VOICE_NUM	C2\$100.00 EG
orders and Shading	1	୍ ବି 🗾
Borders Page Bo	rder <u>S</u> hading	
Setting:	Style:	Preview
<u>N</u> one		Click on diagram below or use buttons to apply borders
Box		
<u> </u>		
	<u>C</u> olor:	
== Gh <u>u</u>	Automatic	
Σ==] Custom	Width:	
Custom	¼ pt	Apply to:
		Table
		Options
Horizontal Line		OK Cancel
		OK Cancer



Click the PDF preview button for the resulting output. All rows where the invoice amount is greater than \$1000 have a border.

Invoice Number	Invoice Amount
981110	\$1,220.00
100000	\$208.33
1 00001	\$933.33
1	\$1,066.67
100004	\$1,600.67
00s	\$160.67
FI1009	\$1,003.33
100002	\$118.73
100003	\$500.52
2001	\$1,043.00
2002	\$1,500.00
2003	\$505.23
2004	\$1,010.46
3001	\$1,000.00
FI1011	\$1,010.46
3001	\$130.00
FI1013	\$22,500.00
FI1010	\$406.67
FI1031	\$1,800.00
3002	\$252.61
FI1012	\$50,000.00
FI1014	\$27,000.00

