

QuickReport for Delphi

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QuickReport for Delphi is a package of several components to make it easy to include printed reports and print preview in your Delphi Programs.

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Helpfile hint

All properties, events and methods description pages are grouped into browse sequences. I.e. using the prior or next button will bring up a related property, event or method for the component in question.

QuickReport
Version 0.95c

QuickReport Component Overview

Visible components

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Required on every form that needs QR printing functionality.

[TQRBand](#)

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Non visible components

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TQuickReport Component

[Properties](#)

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Description

TQuickReport is the main component handling all the printing and data functionality. Normally you drop this component on to a form and set its DataSource property to a TTable or TQuery component containing the data you want to print. Add other components like TQRBand and TQRDBText to format the output.

TQRBand Component

[Properties](#)

[Events](#)

Unit

[QuickRep](#)

Description

You build your reports by creating different QRbands and putting visible QuickReport controls on them. There are several different band types, like detail band, page header band, page footer band and so on.

TQRLabel Component

[Properties](#)

[Events](#)

Methods

Unit

[QuickRep](#)

Description

The QRLabel component is used to display text on a report like column headings. The caption property can be changed in any events during report preparation. If you want a to output text from a data field use the [QRDBText](#) component instead.

In addition the QRLabel component has all the properties from the [QRCustomControl](#) component.

TQRDBText Component

[Properties](#)

[Events](#)

Unit

[QuickRep](#)

Description

Use this component to display any field from a dataset. Works much like a DBText components on forms. If datafield is a memo field, the detail band will stretch to make room for all lines in the memo.

TQRMemo Component

Properties

Methods

Unit

QuickRep

Description

Use the TQRMemo component when you need to print multiline text. ####

TQRShape Component

Properties

Events

Methods

Unit

QuickRep

Description

TQRDBCalc Component

Properties

Unit

QuickRep

Description

This component automates the process of summing and counting of data fields. In addition to these properties the QRDBCalc has all the properties and events it inherits from TQRDBText.

TQRPrinter

[Properties](#)

[Events](#)

[Methods](#)

Unit

[QuickRep](#)

Description

TQRPrinter is a low level printer object with preview, save and load capabilities. An instance of this object called QRPrinter is automatically created when you application starts.

QRPrinter is like a Printer object with recording capabilities. All print commands you send to its Canvas property are recorded in a Windows Metafile object. If you use the NewPage method the current page is kept in memory and QRPrinter creates a new on. When you have created the entire printout you can choose to preview, print or save the result.

QuickReport uses this object for all its printing.

TQRPreview Component

Properties

Events

Methods

Unit

QuickRep

Description

Registering

QuickReport for Delphi will be freeware until version 1.0. From then on QuickReport will be shareware and there will be a registration fee of US \$65 or NOK400 (Norwegian kroner). Registered users will receive full source code and will be entitled to royalty free use and distribution of QuickReport in their own programs. Version 0.95a is free to use in your programs.

Payment can be done in one of the following ways:

- Include cash or International Money order with the above registration form
- Include check with the above registration form. Please add \$10 handling fee
- Include EuroCheck. Please send NOK, not US\$
- Make a S.W.I.F.T. transfer from your bank to the following bank account:
swift code: XIAN NO KK account no: 6030 05 47055
Send registration form in separate mail.

S.W.I.F.T is the fastest way, usually I will get a next day notification.

If you distribute QuickReport you must do so without changing anything in the original QuickReport zip file. You use this program at your own risk. I am not responsible for any loss or damage caused by the use of QuickReport. QuickReport is copyright 1995 Allan Lochert.

[Registration form](#)

TQRGroup Component

[Properties](#)

[Events](#)

[Methods](#)

Unit

[QuickRep](#)

Description

There are two ways of printing master/detail reports with QuickReport. One is to use a TQuery component with a join Query and QRGroups to group the data. The other method is to use the [TQRDetailLink](#) component combined with DetailGroup bands. Each method has its unique strengths.

If you want master/detail reports with more than two 'layers' then using QRGroup and TQuery will probably be the best approach. For simple one level master detail reports or reports with several tables at the same level see the QRDetailLink component.

TQRSysData Component

Properties

Events

Methods

Unit

QuickRep

Description

Properties

Colomns

DataSource

DisplayPrintDialog

LeftMarginInches

LeftMarginMM

Orientation

PrintOrder

PageCount

PageHeight

PageNumber

PageWidth

RecordCount

RecordNo

ReportTitle

ReportType

RestartData

ShowProgress

SQLCompatible

TitleBeforeHeader

Properties

Alignment nei

AlignToBand

AutoSize

Color

TQRSysDataType

Font

Text

Transparent

AlignToBand Property

Applies to

TQRSysData

Declaration

Events

AfterDetail

AfterPrint

BeforeDetail

BeforePrint

OnEndPage

OnNeedData

OnStartPage

Preview Method

Applies to

TQuickReport

Declaration

procedure Preview

The Preview method first prepares the report if necessary, then calls the QRPrinter.Preview method. If you haven't assigned an event handler for the QRPrinter.OnPreview event the standard preview form is displayed. Otherwise your OnPreview event handler is called. The report is finally freed from memory before returning.

Methods[Prepare](#)[Preview](#)[Print](#)

Prepare Method

Applies to

TQuickReport

Declaration

procedure Prepare

Call the prepare method if you want to create the report without automatically printing or previewing it. Prepare create the report and sends it to the QRPrinter object.

PropertiesBandTypeColorEnabledFontForceNewPageFrameRulerWidth

Properties

Alignment

AutoSize

Caption

AlignToBand

Color

Font

Transparent

AfterPrint Event

Applies to

TQRBand

Declaration

property AfterPrint : procedure (BandPrinted : Boolean) of object

This event is called whenever the band has been printed or tried to be printed but stopped in the BeforePrint event. The BandPrinted parameter will tell if the band was actually printed or not.

Events

AfterPrint

BeforePrint

Events

OnPrint

TQRDBText Event OnPrint

Applies to

TQRDBText

Declaration

```
event OnPrint(Sender : TObject; var Value : String)
```

Called immediately before the component is printed. The string to be printed is in the value parameter and any changes to this string will not be stored to the record.

Properties

Alignment

AutoSize

DataSource

DataField

Font

Transparent

Events

OnPrint

Alignment Property

Applies to

TQRDBText

Declaration

property Alignment : (taCenter,taLeftJustify,taRightJustify)

Control alignment of the text within the control

AutoSize Property

Applies to

TQRDBText

Declaration

```
property AutoSize : boolean
```

If true, the control will resize to the width needed for the caption

DataSource Property

Applies to

TQRDBText

Declaration

property DataSource : TDataSource

DataSource to pick field from

DataField Property

Applies to

TQRDBText

Declaration

```
property DataField : String
```

The field to display.

Font Property

Applies to

TQRDBText, TQRMemo

Declaration

```
property Font : TFont
```

Use to control the font, style and size of the text. Best results are obtained using a TrueType font. If you experience some scaling problems in the preview window change the font to one containing the TT prefix.

Transparent Property

Applies to

TQRDBText

Declaration

property Transparent : Boolean

If true, text background will be transparent, i.e. any components in the background will be visible.

PageHeight Property

Applies to

TQuickReport

Declaration

property PageHeight : Longint read only

The current page height, taken from the QRPrinter object.

DataSource Property

Applies to

TQuickReport

Declaration

```
property DataSource : TDataSource
```

Set the DataSource property to the datasource you print the records from. QuickReport automatically advances through this dataset and prints a set of detail bands for each record. If you don't specify a DataSource and not a OnNeedData event handler only one set of detail bands will be printed. Also see the OnNeedData event and RestartData property.

PageWidth Property

Applies to

TQuickReport

Declaration

```
property PageWidth : Longint read only
```

The current page width, taken from the QRPrinter object.

Width Property

Applies to

TQRBand and all other visible components

Declaration

```
#####Find me
```


ShowProgress Property

Applies to

TQuickReport

Declaration

```
property ShowProgress : boolean
```

If True (Default) a progress form will appear during report preparation and printing. The progress form has a Cancel button.

Orientation Property

Applies to

TQuickReport

Declaration

```
property Orientation : TPrinterOrientation
```

Selects the paper orientation. Orientation can be set to poPortrait and poLandscape. Please note that the TPrinterOrientation type is declared in the Printer unit. If you want to set this property you need to include the printer unit in your uses clause.

TQRLabel Property Alignment

Applies to

TQRLabel

Declaration

property Alignment : (taRight, taLeft, taCenter)

Sets the alignment of the text within the given rectangle or QRLabel position inside a QRBand. See AlignToBand.

TQRLabel Property AutoSize

Applies to

TQRLabel

Declaration

TQRLabel Property Caption

Applies to

TQRLabel

Declaration

property Caption

Caption contains the actual text to be printed.

TQRLabel Property AlignToBand

Applies to

TQRLabel

Declaration

```
property AlignToBand
```

Controls the effect of the Alignment property

True The QRLabel component will be aligned left, centered or right inside the extents of the QRBand.

False Only the text inside the components will be aligned. (Default)

TQRLabel Property Color

Applies to

TQRLabel

Declaration

property Color

The background color of the text. Se also the Transparent property.

TQRLabel Property Font

Applies to

TQRLabel

Declaration

property Font

If you want to use another font than the default for the form or QRBand set the Font property.

Tip

Best results are obtained using TrueType fonts. If you experience some scaling problems in the preview window change the font to one containing the TT prefix.

TQRLabel Property Transparent

Applies to

TQRLabel

Declaration

```
property Transparent
```

If Transparent is False (default) the background of the text will be painted before the text is drawn. If Transparent is True, the background will not be painted.

TQRLabel Event OnPrint

Properties

Font

Lines

ParentReport

WordWrap

PropertiesBrushHeightPenShapeWidth

Brush Property

Applies to

TQRShape

Declaration

property Brush : TBrush

Height Property

Applies to

TQRShape

Declaration

```
property Height default 65;
```

Pen Property

Applies to

TQRShape

Declaration

property Pen : TPen

Shape Property

Applies to

TQRShape

Declaration

```
Property Shape : TQRShapeType Read FShape write SetShape;
```

TQRShapeType:

Value

Meaning

qrsRectangle

qrsCircle

qrsVertLine

qrsHorLine

Width Property

Applies to

TQRShape

Declaration

QuickReport Mailing List

If you want to receive a notification when new releases of QuickReport is available send a mail to

quickreport@u9.oslohd.no

with SUBSCRIBE QUICKREPORT as message subject.

Properties

AsInteger

AsReal

Operation

PrintMask

ResetGroup

Operation Property

Applies to

TQRDBCalc

Declaration

property Operation : (qrcSUM, qrcCOUNT)

Set the operation you want to perform.

PrintMask Property

Applies to

TQRDBCalc

Declaration

```
property PrintMask : String
```

Use the PrintMast to format the output of the QRDBCalc component. Look up the FormatFloat procedure in Delphi help for documentation on how the PrintMask works.

ResetGroup Property

Applies to

TQRDBCalc

Declaration

property ResetGroup : TQRGroup

The QRDBCalc will be reset when the group it is connected to breaks.

AsInteger Property

Applies to

TQRDBCalc

Declaration

```
property AsInteger : Longint read only
```

Returns the current value of the QRDBCalc component as an Integer.

AsReal Property

Applies to

TQRDBCalc

Declaration

property AsReal : real read only

Returns the current value of the QRDBCalc component as a Real.

TQRDetailLink Component

[Properties](#)

[Events](#)

Unit

[QuickRep](#)

Description

QRDetailLink is the second way of creating master/detail reports with QuickReport. Typically you will use QRDetailLink with a TTable (or TQuery) when you have only two levels of linking. The strength of QRDetailLink however, is that you can have as many detail tables you want at the same level.

Properties

Canceled

Canvas

EnableOpenBtn

EnablePrintBtn

EnableSaveBtn

ToPage

FromPage

Orientation

Page

PageHeight

PageCount

PageNumber

PageWidth

ShowProgress

Status

Title

Thumbs

PageCount Property

Applies to

TQuickReport

Declaration

property PageCount : Longint read only

The total number of pages in the report. This property is not valid before the report is finished.

Events

OnPreview

TQRPrinter Event OnPreview

Applies to

TQRPrinter

Declaration

property OnPreview : procedure of object

Use this event if you want to display your own preview form instead of the standard included with QuickReport. Creating a custom preview is very easy using the supplied TQRCustomPreview component. See the demo program for an example on how to do this.

Canceled Property

Applies to

TQRPrinter

Declaration

property Canceled : boolean

True if the Cancel method has been called. This can be used to check if users pressed a Cancel button.

Canvas Property

Applies to

TQRPrinter

Declaration

```
property Canvas : TCanvas
```

This is the canvas you use to do your printing. It understands all standard Tcanvas commands except those that returns information, like TextWidth.

EnableOpenBtn Property

Applies to

TQRPrinter

Declaration

```
property EnableOpenBtn : boolean
```

If True, the Open file button will appear on the standard preview form.

EnablePrintBtn Property

Applies to

TQRPrinter

Declaration

```
property EnablePrintBtn : boolean
```

If True, the Print button will appear on the standard preview form.

EnableSaveBtn Property

Applies to

TQRPrinter

Declaration

```
property EnableSaveBtn : boolean
```

If True, the Save file button will appear on the standard preview form.

ToPage Property

Applies to

TQRPrinter

Declaration

```
property ToPage : integer
```

Specify the last page to be printed.

FromPage Property

Applies to

TQRPrinter

Declaration

```
property FromPage : integer
```

Specify the first page to be printed.

Orientation Property

Applies to

TQRPrinter

Declaration

property Orientation : TPrinterOrientation

Set to poPortrait or poLandscape to select printer orientation.

Page Property

Applies to

TQRPrinter

Declaration

property Page : TMetafile read only

This is a metafile representation of the currently selected page. Status must be mpFinished for this metafile to be valid.

PageHeight Property

Applies to

TQRPrinter

Declaration

```
property PageHeight : integer read only
```

The current page height in pixels.

PageCount Property

Applies to

QRPrinter

Declaration

property PageCount : Integer read only

Total number of pages sent to the QRPrinter in the current print job.

PageNumber Property

Applies to

TQRPrinter

Declaration

```
property PageNumber : integer
```

Select the page you want QRPrinter to make available for viewing or copying to clipboard. The Status property must be mpFinished.

PageWidth Property

Applies to

TQRPrinter

Declaration

```
property PageWidth : integer read only
```

The current page width in pixels.

ShowProgress Property

Applies to

TQRPrinter

Declaration

```
property ShowProgress : boolean
```

If true a progress form will appear indicating the progress of printing, saving and loading. The form has a Cancel button and the Cancelled property will be set to true if the user presses this button.

Status Property

Applies to

TQRPrinter

Declaration

property Status : TQRPrinterStatus read only

Indicates the current QRPrinter status. It can be one of the following:

Value	Meaning
mpReady	QRPrinter is ready to accept a new print job
mpBusy	A print job is currently being recorded
mpFinnished	The print job has been ended
mpPrinting	QRPrinter is sending a job to the printer
mpPreviewing	A preview is currently active

Title Property

Applies to

TQRPrinter

Declaration

property Title : String

The current print job title. This title will appear in the print manager and in any network print queue.

Thumbs Property

Applies to

TQRPrinter

Declaration

```
property Thumbs : integer
```

QRPrinter can print several scaled down images of pages on each sheet of paper. If you set Thumbs to two QRPrinter will print two by two images, if you set it to three, three by three images will be printed and so on.

Properties

PageNumber

ScrollDown

ScrollLeft

Zoom

Events

Show

TQRPreview event Show

Methods

BeginDoc

Cancel

Cleanup

CopyPageToClipboard

EndDoc

Load

NewPage

Preview

Print

Save

BeginDoc Procedure

Applies to

TQRPrinter

Declaration

procedure BeginDoc

Start a new print job. This sets the Status property to mpBusy.

Cancel Procedure

Applies to

TQRPrinter

Declaration

procedure Cancel

Cancel the current print job. This sets the Status property to mbReady

Cleanup Procedure

Applies to

TQRPrinter

Declaration

procedure Cleanup

After you are finished with the current print job this command will free all pages from memory. This sets the Status property to mpReady.

CopyPageToClipBoard Procedure

Applies to

TQRPrinter

Declaration

procedure CopyPageToClipBoard

Copy the currently selected page to the clipboard. This requires that EndDoc has been called.

EndDoc Procedure

Applies to

TQRPrinter

Declaration

```
procedure EndDoc
```

Tells QRPrinter that the you are finished sending commands to the canvas. This sets the Status property to mpFinished.

Load Procedure

Applies to

TQRPrinter

Declaration

```
procedure Load(Filename : String)
```

Loads a previously saved printout from a file.

NewPage Procedure

Applies to

TQRPrinter

Declaration

procedure NewPage

Tells QRPrinter to start printing a new page. The current page is kept in memory and a new one is created. Page number is increased by one. This requires the Status property to be mpBusy.

Preview Procedure

Applies to

TQRPrinter

Declaration

procedure Preview

This brings up print preview. It requires the Status property to be mbFinished. If you have assigned an event handler to the OnPreview event this gets called and nothing else is done.

Print Procedure

Applies to

TQRPrinter

Declaration

procedure Print

This prints the current report. It requires the Status property to be mpFinished.

Save Procedure

Applies to

TQRPrinter

Declaration

```
procedure Save(Filename : String)
```

This saves the current report to a file. The Status property must be mpFinished. The file format is a QuickReport internal format. Documentation for this will be released later.

QuickReport version 0.95c Registration Form

Date

Name/contact

Postal address

zip/city

Country

E-mail address

Send source code by postal mail instead of e-mail ? _____ (+ \$5 postage/handling)

Signature

Registration fee is US \$65 or NOK400.

Registered users will get access to download the QuickReport source code for any 0.9x and 1.x version.

If you register a beta version (0.9x) you have the same upgrade rights as of version 1.0.

Fill out the above registration form and send it to :

Allan Lochert
Uranienborgvn. 9a
N-0351 Oslo
Norway

Properties

DataField

DataSource

FooterBand

HeaderBand

Level

GroupData

HeaderPrinted

PrintNewHeader

Events

OnNeedData

DataSource Property

Applies to

TQRGroup

Declaration

property DataSource : TDataSource

Select the datasource you want to connect this group to.

DataField Property

Applies to

TQRGroup

Declaration

```
property DataField : String
```

Select the data field you want to connect this group to. The group will reprint when the value of Datafield change or a higher level group is reprinted.

FooterBand Property

Applies to

TQRGroup

Declaration

Property FooterBand : TQRBand

Select a band to be printed as this groups footer band.

HeaderBand Property

Applies to

TQRGroup

Declaration

Property HeaderBand : TQRBand

Selects a band to be printed as this groups header band.

Level Property

Applies to

TQRGroup

Declaration

Property Level : Integer

This group's level. The outer (highest) level is 0, the inner (lowest) level is 9.

OnNeedData Event

Applies to

TQRGroup

Declaration

Property OnNeedData : procedure (var Value : String) of object

Methods

GroupData Property

Applies to

TQRGroup

Declaration

```
Property GroupData : String
```

HeaderPrinted Property

Applies to

TQRGroup

Declaration

Property HeaderPrinted : Boolean

PrintNewHeader Property

Applies to

TQRGroup

Declaration

Property PrintNewHeader : Boolean read

Events

OnPrint

TQRSysData event OnPrint

Alignment Property

Applies to

TQRSysData

Declaration

AutoSize Property

Applies to

TQRSysData

Declaration

Color Property

Applies to

TQRSysData

Declaration

TQRSysDataType Property

Applies to

TQRSysData

Declaration

property Data : TQRSysDataType

The Data property decides what information the component will display.

Value	Meaning
qrsTime	Current time in the format HH:MM
qrsDate	Current date in the format set by the global ShortDateFormat variable
qrsDateTime	Current date and time separated by a comma
qrsPageNumber	The current page number
qrsPageCount	Total number of pages in the report. <i>Note - as of version 0.95c this is not implemented yet</i>
qrsReportTitle	The report title as it appears in the TQuickReport.ReportTitle property
qrsDetailCount	Total number of records to be printed in report
qrsDetailNo	Current record number to be printed

Font Property

Applies to

TQRSysData

Declaration

Text Property

Applies to

TQRSysData

Declaration

Transparent Property

Applies to

TQRSysData

Declaration

AfterPrint Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

```
property AfterPrint : TNotifyEvent
```

The AfterPrint event is called when the report is prepared and sent to the QRPrinter object.

BeforeDetail Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

property BeforeDetail : TNotifyEvent

The BeforeDetail event is called before the detail bands for a record are printed.

AfterDetail Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

property AfterDetail : TNotifyEvent

The AfterDetail event is called after the detail bands for one record are printed.

Print Method

Applies to

TQuickReport

Declaration

procedure Print

The Print method first prepares the report if necessary, sends it to the QRPrinter object, and then calls the QRPrinter.Print methods. The Report is finally freed from memory.

TQRCustomControl

[Properties](#)

[Methods](#)

Unit

[QuickRep](#)

Description

The QRCustomControl component is the base class for all printable QuickReport components. If you want to create your own printable components you should make them children of this class. QRCustomControl has two virtual methods you might override.

BandType Property

Applies to

TQRBand

Declaration

property BandType : TQRBandType

BandType selects when this band will be printed.

TQRBandType

rbTitle	This band is printed once at the start of the report. The QuickReport. <u>TitleBeforeHeader</u> property decides if the PageHeader or Title band will appear first.
rbPageHeader	Page header bands appear on top of each page. The QuickReport.TitleBeforeHeader property decides which band will be printed first on the first page. You can have as many Page header bands you want.
rbDetail	The Detail band gets printed once for every record in your dataset. If you design a master/detail report using the QRDetailLink component this band will be the detail band for your master table. You can have as many detail bands you want.
rbDetailGroup	If you create a master/detail report using the QRDetailLink component then this band will be the Detail band for your Detail Table(s). You must connect the DetailGroup band to the DetailLink component using the QRDetailLink.DetailBand property. This band can also be used as header and footer bands for the QRDetailLink component.
rbPageFooter	This band is printed on the bottom of every page.
rbSummary	The Summary band is printed on the last page of the report, after all detail bands and group footers.
rbGroupHeader	
rbGroupFooter	
rbColumnHeader	If you print a multi column report this band will be printed on top of each column.
rbOverlay	If you want some static text or graphic to be printed on every page of your reports then you can use the rbOverlay band. This band will be printed once on each page and it overlay all other text and graphic printed on the page.

Color Property

Applies to

TQRBand

Declaration

property Color

Sets the background color of the band.

Enabled Property

Applies to

TQRBand

Declaration

property Enabled : Boolean

Enables and disables the printing of this band. If this property is false the BeforePrint and AfterPrint events will be skipped. You can change this property during report progress, for instance to print different detail bands depending on the type of data to print.

Font Property

Applies to

TQRBand

Declaration

property Font

The default font for the band. Use a True Type font to ensure that QuickReport is able to scale the font properly during preview.

ForceNewPage Property

Applies to

TQRBand

Declaration

property ForceNewPage : Boolean

find me!

Frame Property

Applies to

TQRBand

Declaration

property Frame : TPen

find me!

Ruler Property

Applies to

TQRBand

Declaration

```
property Ruler : TQRuler
```

This property will tell QuickReport to display a ruler in the background of the band during design time. This will help you position the controls on the bands. One of the following values can be set:

TQRuler

qrrNone	No ruler is displayed
qrrInchesH	Horizontal ruler lines every inch
qrrInchesV	Vertical ruler lines every inch
qrrInchesHV	Horizontal and vertical ruler lines every inch
qrrCmH	Horizontal rulers every centimetre
qrrCmV	Vertical ruler lines every centimetre
qrrCmHV	Horizontal and vertical ruler lines every centimetre

BeforePrint Event

Applies to

TQRBand

Declaration

```
property BeforePrint : procedure (var PrintBand : Boolean) of object
```

The BeforePrint event is called before the band is about to be printed. You can set the PrintBand parameter to false if you want the band to be skipped for this time.

BeforePrint Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

```
property BeforePrint : TNotifyEvent
```

The BeforePrint event is called before the report is prepared.

OnEndPage Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

```
property OnEndPage : TNotifyEvent
```

The OnEndPage event is called whenever a page brake is about to be performed.

OnNeedData Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

```
property OnNeedData : procedure (var MoreData : Boolean) of object
```

The OnNeedData event is used if you want to print a report of data not coming from a regular DataSource, but from arrays, variables, text files or whatever you like. If you leave the DataSource property blank and instead write an OnNeedData event handler this handler gets called whenever QuickReport is going to print a new set of detail bands. Set the MoreData parameter to false when you are printing the last set of data.

OnStartPage Event

See also [Example](#)

Applies to

[TQuickReport](#)

Declaration

```
property OnStartPage : TNotifyEvent
```

The OnStartPage event is called whenever a new page is started.

PageNumber Property

Applies to

TQuickReport

Declaration

```
property PageNumber : Longint read only
```

The current page number. This property can be access in events during report preparation.

RecordCount Property

Applies to

TQuickReport

Declaration

```
property RecordCount : Longint read only
```

The total number of records in the master dataset. Se also the SQLCompatible property.

RecordNo Property

Applies to

TQuickReport

Declaration

```
property RecordNo : longint read only
```

The current record in the dataset. If you are printing a master/detail report using the QRDetailLink component this property indicates the record number in the master table.

DisplayPrintDialog Property

Applies to

TQuickReport

Declaration

```
property DisplayPrintDialog : Boolean
```

If DisplayPrintDialog is set to True a print dialogue will appear before the report is printed. This dialogue will let the user select printer, pages to print and print to file.

Colomns Property

Applies to

TQuickReport

Declaration

```
property Columns : integer
```

The Columns property can be used to print multi column mailing labels or phone directory style reports. Use the PrintOrder property to set way records will print. Also se the QRBand.BandType=rbColumnHeader.

LeftMarginInches Property

Applies to

TQuickReport

Declaration

```
property LeftMarginInches : Longint
```

The left margin in 1/10th inches

LeftMarginMM Property

Applies to

TQuickReport

Declaration

```
property LeftMarginMM : Longint
```

The left margin in millimetres

PrintOrder Property

Applies to

TQuickReport

Declaration

```
property PrintOrder : (ColByCol, RowByRow)
```

PrintOrder is used to set how the text will flow on a multi column report. Text can be printed column by column or row by row.

Note - RowByRow will be ignored in version 0.95c of QuickReport

ReportTitle Property

Applies to

TQuickReport

Declaration

```
property ReportTitle : String
```

The ReportTitle will appear in the Print Manager and in any network printing queue. It will also be printed wherever you have used a TQRSysData component set to display ReportTitle.

ReportType Property

Applies to

TQuickReport

Declaration

```
property ReportType : (qrStandard, qrMasterDetail)
```

Set ReportType to qrMasterDetail if you want QuickReport to print the detail tables you have linked using the QRDetailLink component.

Value	Meaning
qrStandard	Standard report listing from a table or query
qrSingleDetail	??
qrMasterDetail	Master detail using QRDetailLink components.

RestartData Property

Applies to

TQuickReport

Declaration

```
property RestartData : Boolean
```

If True (default) QuickReport will move to the first record in the dataset before printing starts. If False, printing will start at the current record.

SQLCompatible Property

Applies to

TQuickReport

Declaration

```
property SQLCompatible : boolean
```

Not all Databases support the RecordCount function. If you get an error message saying 'function not supported' try setting the SQLCompatible to True.

TitleBeforeHeader Property

Applies to

TQuickReport

Declaration

```
property TitleBeforeHeader : boolean
```

If False (Default) the page header will be printed before the Title band on the first page. You can reverse this by setting the TitleBeforeHeader property to True.

Methods

[Print](#)

[Stretch](#)

Print Method

Applies to

TQRCustomControl

Declaration

```
procedure Print(X,Y : Integer); virtual
```

The Print method prints the component to the QRPrinter object at the given position. The default print method prints the text of the protected Caption property. If you want another behaviour you will need to override this method.

TQRCustomControl Stretch

Applies to

TQRCustomControl

Declaration

```
procedure Stretch(var size : Integer); virtual
```

If your component will resize itself vertically at printing time, like a stretching memo field you must return the new component height with this method. If your component will have a static size you won't use this method.

PropertiesAutoSizeHeightLeftTopVisibleWidth

AutoSize Property

Applies to

TQRCustomControl

Declaration

```
property AutoSize
```

Height Property

Applies to

TQRCustomControl

Declaration

property height

The height of the control in pixels.

Left Property

Applies to

TQRCustomControl

Declaration

Property Left

The left horizontal position of the control in pixels, counting from the left margin.

Top Property

Applies to

TQRCustomControl

Declaration

property Top

The vertical position of the control within the band it is printed on.

Visible Property

Applies to

TQRCustomControl

Declaration

property Visible

If True (default) the control is printed. If False, the control is not printed.

Width Property

Applies to

TQRCustomControl

Declaration

```
property width
```

The width of the control in pixels.

Properties

DataSource

DetailBand

FooterBand

HeaderBand

DataSource Property

Applies to

TQRDetailLink

Declaration

property DataSource : TDataSource

The datasource to connect this QRDetailLink to

DetailBand Property

Applies to

TQRDetailLink

Declaration

property DetailBand : TQRBand

The band to use as this QRDetailLink's Detail band. It is printed for every record in the detail table matching with the current master record, provided you have set up the master/detail relationship correctly of course. See the Delphi manuals for help on how to do this if you are unsure.

FooterBand Property

Applies to

TQRDetailLink

Declaration

property FooterBand : TQRBand

The band to use as this QRDetailLink's footer band. The footer band is printed after all detail records for the current master record.

HeaderBand Property

Applies to

TQRDetailLink

Declaration

property HeaderBand : TQRBand

The band to use as this QRDetailLink's Detail band

Events
OnNeedData

OnNeedData Event

Applies to

TQRDetailLink

Declaration

Property OnNeedData : procedure (var MoreData : Boolean) of object

If you want to print from an array or some other source except a DataSource you can use the OnNeedData event to retrieve the information. See the QuickReport.OnNeedData event for a more in depth explanation on this.

ParentReport Property (public)

Applies to

TQRMemo

Declaration

property ParentReport : TQuickReport

#####

Methods

ZoomToWidth

ZoomToFit

UpdateZoom

ZoomToWidth Method

Applies to

TQRPreview

Declaration

```
procedure ZoomToWidth;
```

ZoomToFit Method

Applies to

TQRPreview

Declaration

```
procedure ZoomToFit;
```

UpdateZoom Method

Applies to

TQRPreview

Declaration

```
procedure UpdateZoom;
```


