

Crystal Reports

Using the RDC with the Subreport Object

Overview

This document outlines how to access the subreport object. The subreport can be a freestanding or linked report inserted within the main report. The object provides properties for retrieving information on the subreport. This section covers the most common issues with regards to working with subreports and setting the datasource of the subreport object.

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The SubreportObject Object

The first thing to do is add the Crystal Reports 6.0 or 7.0 ActiveX Designer under the project menu. At the Report Gallery, we can begin by importing an existing report that contains a subreport or create one on the fly. For this particular example, we need to ensure that the report is connected natively to the CRAZE database (If you are using Seagate Crystal Reports 7.0, use the Xtreme.mdb).

As you reach the end of the Report expert, you are prompted to add another form and make it a startup form. Simply accept these options.

In the General Declarations of Form2 (Viewer form), there is one line of code:

```
Dim report as New CrystalReport1
```

Delete this line.

Add a module to the project and in the General Declarations, add the following code:

```
Public Report as New CrystalReport1
Public CrystalSubReport As CRAXDRT.Report
Public CrystalSubreportObject as CRAXDRT.SubreportObject
Public CrystalSections As CRAXDRT.Sections
Public CrystalSection As CRAXDRT.Section
Public CrystalReportObjects As CRAXDRT.ReportObjects
Public CrystalDatabase As CRAXDRT.Database
Public CrystalTables As CRAXDRT.DatabaseTables
Public CrystalTable As CRAXDRT.DatabaseTable
```

Step 1: Setting the data source of the SubreportObject Object.

```
Private Sub Form_Load()
Dim I as Integer
Dim x as Integer
Dim y as Integer
Dim z as Integer
'By default these 2 lines are already present in the
Form_Load event
CRViewer1.ReportSource = Report
'Loop through all the tables in the main report `and set
the database location of the main report (ensure that
craze.mdb exists in `c:\temp or change `the location path
to match yours).
Set CrystalDatabase = Report.Database
Set CrystalTables = CrystalDatabase.Tables
```

```
For x = 1 to CrystalTables.Count
    Set CrystalTable = CrystalTables.Item(x)
    CrystalTable.Location = "C:\temp\craze.mdb"
Next

'Loop through each section of the report
'Loop through each report object in each section
Set CrystalSections = report.Sections
For y = 1 To CrystalSections.Count
    Set CrystalSection = CrystalSections.Item(y)
    Set CrystalReportObjects = CrystalSection.ReportObjects

'we test each report object to see if it is a
'SubreportObject if it is a SubreportObject, we set it to a
'report object (notice: that in the module
'CrystalSubreport is 'declared as a Report Object and not a
'subreport object)

For z = 1 To CrystalReportObjects.Count
    If CrystalReportObjects.Item(z).Kind =
    crSubreportObject Then
        Set CrystalSubreportObject =
        CrystalReportObjects.Item(z)
        Set CrystalSubReport =
        CrystalSubreportObject.OpenSubreport

'loop through the tables in the subreports

        Set CrystalDatabase = CrystalSubreport.Database
        Set CrystalTables = CrystalDatabase.Tables
        For I = 1 to CrystalTables.Count
            Set CrystalTable = CrystalTables.Item(I)
            MsgBox "Table: " & CrystalTable.Name & "in subreport " &
            UCase(CrystalSubreportObject.SubreportName) & " in location
            " & CrystalTable.Location & " will be moved."

'set the database location of the subreports to
c:\temp\craze.mdb
            CrystalTable.Location = "c:\temp\Craze.mdb"
            MsgBox "Subreport has been moved."
        Next
    End If
Next
Next
Next

'View the report
CRViewer1.ViewReport
```

End Sub

NOTE	In order to complete this application, ensure that a copy of the Craze Access Database is placed in the c:\temp directory.
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Contacting Crystal Decisions for Technical Support

We recommend that you refer to the product documentation and that you visit our Technical Support web site for more resources.

Self-serve Support:

<http://support.crystaldecisions.com/>

Email Support:

<http://support.crystaldecisions.com/support/answers.asp>

Telephone Support:

<http://www.crystaldecisions.com/contact/support.asp>