

Crystal Reports

Using the Crystal Reports Automation Server in an MDI Application

Overview

This document demonstrates how to preview a report inside an MDI child window. The Automation Server objects used in this tutorial are:

- Application
- Report

Contents

CREATING AND EDITING THE MDI PARENT FORM.....	2
FORMATTING THE MDI CHILD FORM	3
ADDING DECLARATIONS TO A MODULE.....	3
CONTACTING CRYSTAL DECISIONS FOR TECHNICAL SUPPORT	4

Creating and editing the MDI Parent form

The following steps outline how to create an MDI application and have the SCRAS preview window appear within an MDI Child form:

1. Start a new project in Microsoft Visual Basic 5 (or Visual Basic 6)
2. Click on 'Project|Add MDIForm'
3. Click on 'Project|Project1 Properties'.

Set the 'Startup Object' to MDIForm1 and click OK.

4. Click on Form1 and go to properties.

Set the MDIChild property to True.

Set the ScaleMode property to 3 - Pixel.

5. Click on the MDIForm1.

Click onto 'Tools|Menu Editor'

Add the following menu item: File

Add the following under the File menu: Print

Add the following under the File menu: Exit

6. Double click on the MDIForm1 and place the following code into the General Declarations section:

```
Private CrystalApp As CRPEAuto.Application
Private CrystalReport As CRPEAuto.Report
Dim hwndChild As Integer
Dim result As Integer
```

7. Add the following code to the 'File|Exit' menu:

```
Private Sub Exit_Click()
    End
End Sub
```

8. Double click on the MDIForm1 and place the following code into the MDIForm_Load event:

```
Private Sub MDIForm_Load()
    Set CrystalApp =
    CreateObject("crystal.CRPE.Application")
    'Assuming that the report to open is in
    D:\crw6032\rt01.rpt
```

```

        Set CrystalReport =
        CrystalApp.OpenReport("D:\crw6032\rt01.rpt")
    End Sub

```

9. Add the following code to the 'File|Print' menu:

```

Private Sub Print_Click()
    Dim newform As New Form1
    Load newform
    'From the Report object CrystalReport1, we invoke the
    Preview method.
    'This sends the report out to the screen.
    'If this is to be related to using the ActiveX or OCX
    control, this
    'following method would be considered as the
    .PrintReport property
    Call CrystalReport.Preview("My Report", 0, 0,
    CLng(newform.ScaleWidth), CLng(newform.ScaleHeight), _
    CLng(512), newform.hWnd)
End Sub

```

Formatting the MDI Child form

1. Double click on Form1 and place the following code into the Form_Paint event:

```

Private Sub Form_Paint()
    hWndChild = GetWindow(hWnd, GW_CHILD)
    If (hWndChild <> 0) Then
        Result = MoveWindow(hWndChild, ScaleLeft,
        ScaleTop, ScaleWidth, ScaleHeight, 1)
    End If
End Sub

```

2. Place the following code into the Form_Resize:

```

Private Sub Form_Resize()
    hWndChild = GetWindow(hWnd, GW_CHILD)
    If (hWndChild <> 0) Then
        Result = MoveWindow(hWndChild, ScaleLeft,
        ScaleTop, ScaleWidth, ScaleHeight, 1)
    End If
End Sub

```

Adding declarations to a module

1. Click on 'Project|Add Module'.
2. Within the General Declarations of the Module, place in the following code:

```
Declare Function GetWindow Lib "User32" (ByVal hWnd As Integer, ByVal code As Integer) As Integer

Declare Function MoveWindow Lib "User32" (ByVal hWnd As Integer, ByVal l As Integer, ByVal t As Integer, ByVal w As Integer, ByVal h As Integer, ByVal redraw As Integer) As Integer

Global Const GW_CHILD = 5
```

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>