

DataFlex REPORTS

Integration

Output

- To Windows previewer
- To export formats (PDF, CSV, Image, XLS, RTF, HTML)
- To Web previewer

Windows

1. Show embedded in report view
 2. Show in a modal dialog
 3. Show in a MDI view (non modal)
 - We can continue working
 4. Show in a toolpanel
 - Can be moved to a secondary screen
- `pePreviewStyle` tells `cDRReport` how to preview / display the report

Show embedded

- Browse thru the customers and see the orders report being generated

```
Object Customer_DD is a Customer_DataDictionary
  Procedure OnNewCurrentRecord RowID riOldRowId RowID riNewRowId
    Forward Send OnNewCurrentRecord riOldRowId riNewRowId

    If (not (IsNullRowID (riNewRowId))) Begin
      Send RefreshReport of oOrdersReport
    End
  End_Procedure
End_Object      // Customer_DD
```

Usage of RDS

```
Procedure CollectData
  Number nMinPrice nMaxPrice nTotal
  Integer iCount
  Variant[][] vPriceData

  Move 999999 to nMinPrice
  Move -99999 to nMaxPrice

  Clear OrderDtl
  Find Gt OrderDtl by Recnum
  While (Found)
    If (Invt.Item_ID = OrderDtl.Item_ID) Begin
      Move (OrderDtl.Price min nMinPrice) to nMinPrice
      Move (OrderDtl.Price max nMaxPrice) to nMaxPrice
      Increment iCount
      Move (OrderDtl.Price + nTotal) to nTotal
    End
    Find gt OrderDtl by recnum
  Loop
```

Usage RDS

```
Move (Trim (Invt.Item_ID)) to vPriceData[0][0]
Move (Trim (Invt.Description)) to vPriceData[0][1]
Move nMinPrice to vPriceData[0][2]
Move "Minimum" to vPriceData[0][3]

Move vPriceData[0][0] to vPriceData[1][0]
Move vPriceData[0][1] to vPriceData[1][1]
Move nMaxPrice to vPriceData[1][2]
Move "Maximum" to vPriceData[1][3]

Move vPriceData[0][0] to vPriceData[2][0]
Move vPriceData[0][1] to vPriceData[2][1]
Move Invt.Unit_Price to vPriceData[2][2]
Move "Current" to vPriceData[2][3]

Move vPriceData[0][0] to vPriceData[3][0]
Move vPriceData[0][1] to vPriceData[3][1]
Move (nTotal / iCount) to vPriceData[3][2]
Move "Average" to vPriceData[3][3]

Send TableData C_USEMAINDRREPORTID 0 vPriceData
```

Click in the report

- OnPreviewClick event

```
OnReportPreviewClick C_DRHitTests iPos Integer iSectionId String sObject String sValue

Case Begin
  Case (iSectionId = 30)
    Case Begin
      Case (sObject = "Customer.Custon
        Send DrillDownToCustomer sVa
        Case Break
      Case (sObject = "Customer.City")
        Send CreateNewCustomerReport
        Case Break
      Case (sObject = "Customer.State"
        Send CreateNewCustomerReport
        Case Break
    Case End
  Case Break
Case End
```

Export

- Portable Display Format (PDF)
 - Can be attached to an e-mail
- Comma Separate Values (CSV)
 - Can be read by other applications
- Image (TIFF, JPEG, GIF, PNG)
 - More static than PDF; can also be attached or embedded
- Excel (XLS / XLSX)
 - Directly understood by Microsoft Excel; Formatted report
- Word
 - RTF 2007 standards; formatted report

Export

- HTML
 - As file(s)
 - As stream for the cWebDRReportViewer
 - Supports hyperlinks into WebApp

Web Integration

- Server generates
 - PDF
 - Images
 - HTML stream
- For the PDF file we need to create a download URL and display in the web page
- For the Images and HTML stream the cWebDRReportViewer class object can (should) be used

Web Integration

- Integration wizard
- Template

Web Integration

```
Object oReport is a cDRReport|
    Set psReportName to 'Reports per Module in a Chart.dr'

    Function GenerateReport Returns String
        String sReportId sFile sUrl
        DRPDFExportOptions PDFExportOptions
        Boolean bCanceled

        Get OpenReport to sReportId
        If (sReportId <> "") Begin
            Get DefaultPDFExportOptions to PDFExportOptions
            Set pPDFExportOptions to PDFExportOptions
            Get ReportCacheFileName ".pdf" to sFile
            If (sFile <> "") Begin
                Send ExportReport C_DRPDF sFile
                Get pbCanceled to bCanceled
                If (not (bCanceled)) Begin
                    Get DownloadURL of ghoWebResourceManager sFile to sUrl
                End
            End

            Send CloseReport sReportId
        End

        Function_Return sUrl
    End_Function
End_Object
```

HTML viewer

```
Function GenerateReportHTML Returns String[]
    String sReportId
    String[] sData
    Integer iArgSize

    Get OpenReport to sReportId
    If (sReportId <> "") Begin
        Get_Argument_Size to iArgSize
        Get ComReportHTMLPreview sReportId (iArgSize - 10) to sData
        Send CloseReport sReportId
    End

    Function_Return sData
End_Function
```

Web Integration

- Response on hyperlink

```
Object oViewer is a cWebDRReportViewer
  Set phoReport to oReport
  Set pbServerOnClickActionLink to True

  Procedure OnClickActionLink String sData Integer eDataType
    Send ShowEmployee of oSQLEmployeeModalDialog Self sData
  End_Procedure
End_Object
```

DATABASE TABLE OF CONTENTS

Serial # 6

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These are the databases available to you. "Point and Shoot" the one you wish to Query. Press <HELP> for assistance anytime while Querying.

[DataFlex System Date File]_

Inventory Parts


Invoice Items

Vendors

Customers

Query format files

Press <SAVE> when your choice is complete

A silver MacBook Air is open on a wooden desk. To its left is a glass of water. In the foreground, a smartphone lies on a piece of paper. The background is a blurred indoor setting.

Thank you for your time

Have a nice day!