

# DataFlex REPORTS

Status report

# Agenda

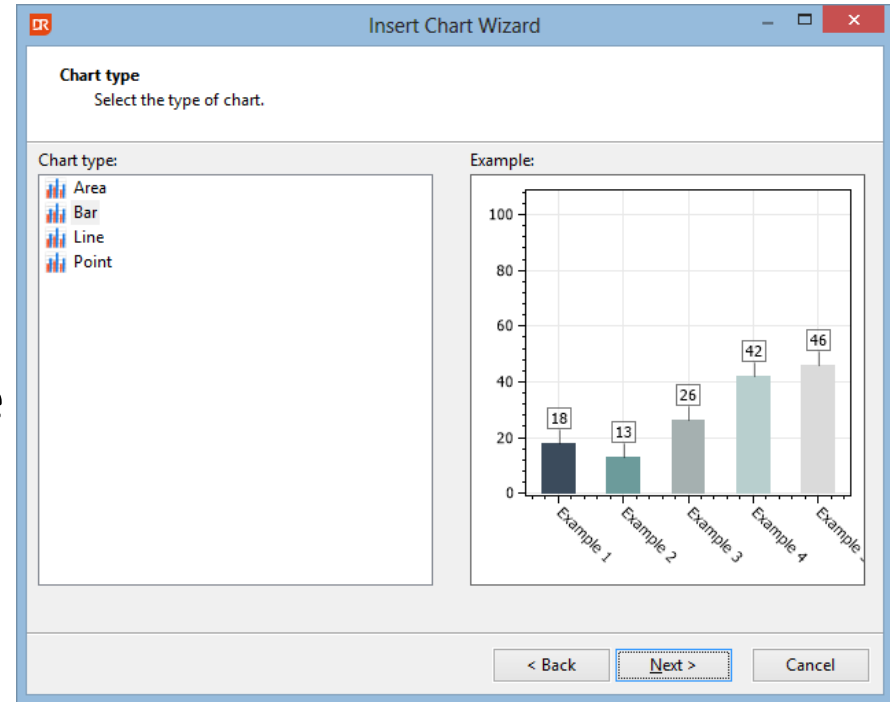
- DataFlex Reports (no more Visual Report Writer)
- New and enhanced features
- Demos

# New Features in version 4.0

- Charts
- PageLayers
- Image support extended
- New collating
- Function Expert
- New functions
- Export
- Edit RDS data dialog
- Workspace support
- RDS report creation at report integration level

# Charts

- Create charts using new chart Wizard
- Area/Bar/Line/Point charts are available
- Charts can be placed anywhere in a report
- More chart types will follow in the future
- Supported in web pages

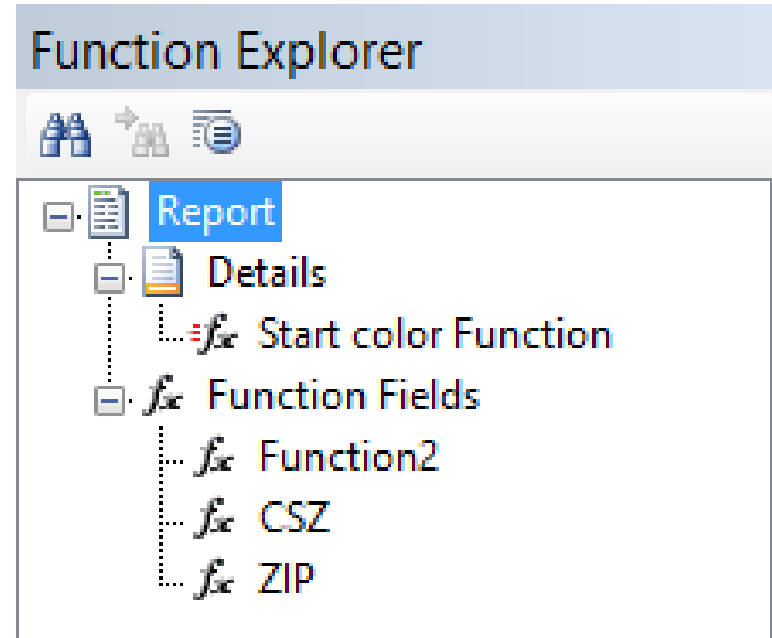


# Charts

- Sales of orders per state
- Orders per month grouped by year
- Orders per customer summarized per year with top/bottom N

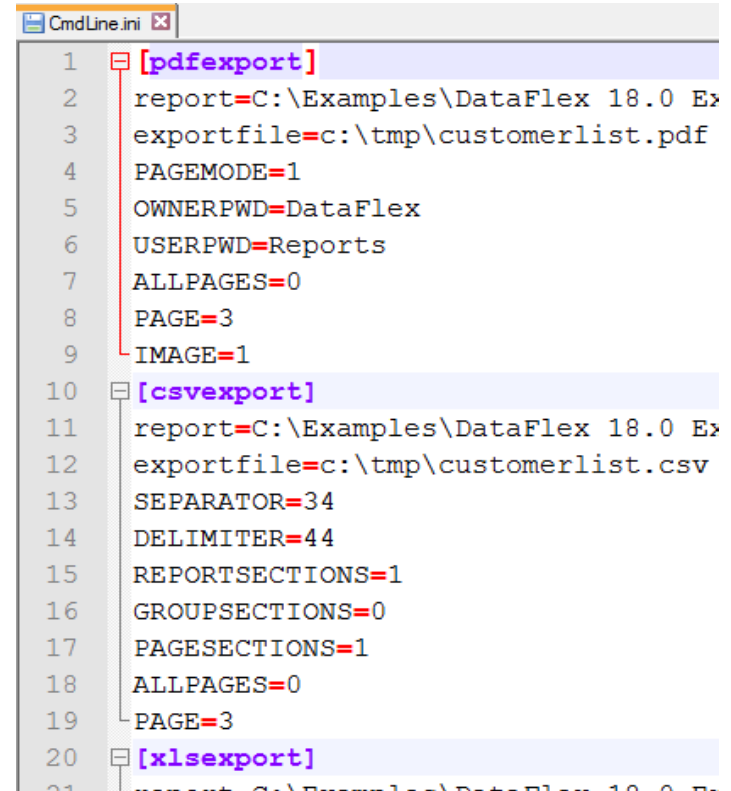
# Function Expert

- Easily navigate through all the functions in your reports
- Shows both user defined and built-in functions
- Filter button to hide sections without functions



# Export

- RTF Export
  - Based on Microsoft Word 2007 specifications
- Specific page number export possible
- Command line options for exporting a report
  - Via a parameter INI file or
  - Via individual parameters



The screenshot shows a command line window titled 'CmdLine.ini' with three sections of export options. The first section, '[pdfexport]', includes parameters for report path, export file, page mode, owner password, user password, all pages, page number, and image. The second section, '[csvexport]', includes parameters for report path, export file, separator, delimiter, report sections, group sections, page sections, all pages, and page number. The third section, '[xlsexport]', is partially visible at the bottom.

```
1 [pdfexport]
2 report=C:\Examples\DataFlex 18.0 Ex
3 exportfile=c:\tmp\customerlist.pdf
4 PAGEMODE=1
5 OWNERPWD=DataFlex
6 USERPWD=Reports
7 ALLPAGES=0
8 PAGE=3
9 IMAGE=1
10 [csvexport]
11 report=C:\Examples\DataFlex 18.0 Ex
12 exportfile=c:\tmp\customerlist.csv
13 SEPARATOR=34
14 DELIMITER=44
15 REPORTSECTIONS=1
16 GROUPSECTIONS=0
17 PAGESECTIONS=1
18 ALLPAGES=0
19 PAGE=3
20 [xlsexport]
21 report=C:\Examples\DataFlex 18.0 Ex
```

# Page layers

- Image, text object, box or lines behind the report output
- Design inside the Studio
- Embedded in the report
- Expert to include, refresh, delete or control the visibility of the page layer
- Showing a specific page layer via the integration library accessible functions possible

ORDER #

Bill to:

Ship to:

ORDER #	ORDER DATE	ORDERED BY	SALESPERSON	CUSTOMER #

SHIP VIA	TERMS	PHONE #	FAX #

PRODUCT #	DISCRIPTION	QUANTITY	PRICE EACH	ITEM TOTAL



# Page Layers Demo

- How to create a page layer?
- [Orders printed on a page layer](#)

# Images

- Support for images stored in the database
  - DataFlex,
  - Runtime Data Source
  - ODBC
- Display options
  - Fill
  - Fit
  - Original

# Images demo

- Adventure Works products
- [Fruits of the world](#)

# Collating

- New ANSI based collating
- Saved in the report
- Check current user codepage against report codepage while opening a report
- Built-in collate is based on the English DataFlex DF\_COLLATE.CFG
- Sorting base on character weight (possible to sort one character identical to another)
- For the DataFlex embedded database DF\_COLLATE.CFG is needed/used to read the data

```
* Codepage  
CP 1252
```

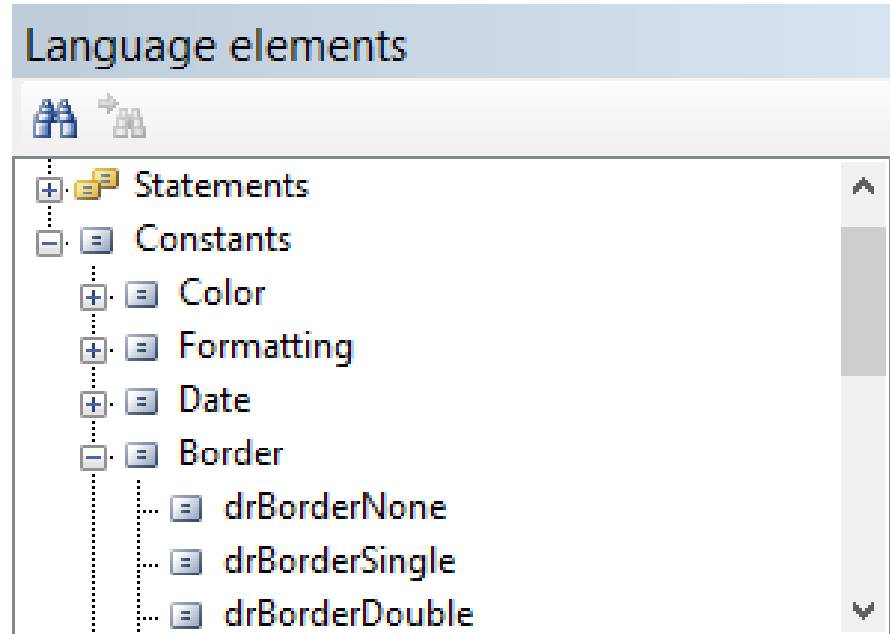
```
* Alpha characters  
TEXT_EQ "ÀÁÂÃÄÅÆ"  
TEXT_EQ "àáâãäåæ"  
TEXT_EQ "B"  
TEXT_EQ "b"
```

# Function editor

- Includes a list of global variables
- New functions
  - String
    - NumberToRoman, ProperCase
  - Date
    - InLeapYear, WeekAgo, InLast7Days, InLastFullMonth, InLastFullWeek, InLastYearMTD, InLastYearYTD, InLast4Weeks, InAgedToDays
  - Miscellaneous
    - CelciusToFahrenheit, FahrenheitToCelcius
  - Database
    - Next, Previous extended with number of rows to look forward or back

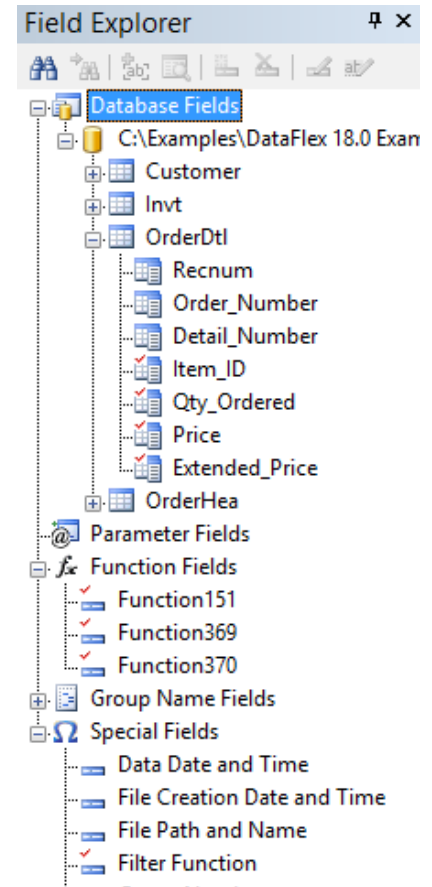
# Function editor

- Constants group in categories
- Ok & Cancel buttons are back
- Ctrl+T for function testing



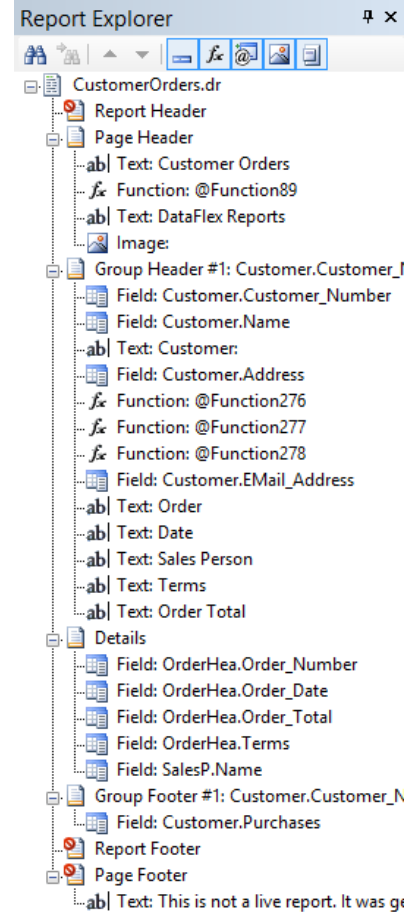
# Field Explorer

- Option to show a different image when the report uses
  - a database column
  - function
  - parameter
  - special field
- Double click on a function or parameter entry opens the dialog to edit the function or parameter
- Tables are sorted alphabetically



# Report Explorer

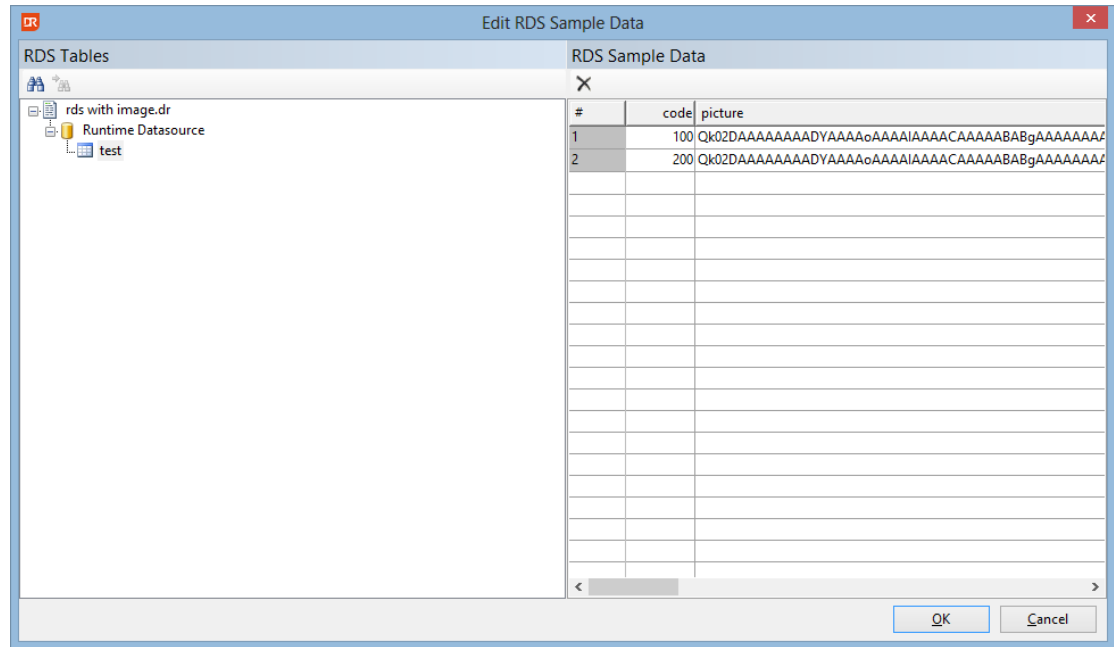
- Shows a different image per field type
- Shows content of a page layer during definition





# Edit RDS data

- Can be done (as before when refreshing the report data)
  - Option needs to be turned on for this
- In a new dialog



# RDS table definitions

- Check for duplicate table name
- Check for duplicate column name
- More clear if length and/or precision values can be entered

Runtime Datasource Table

Table

Table Name: test

Name	Type	Length	Precision
code	Integer	10	
picture	Binary	16383	
name	String	100	

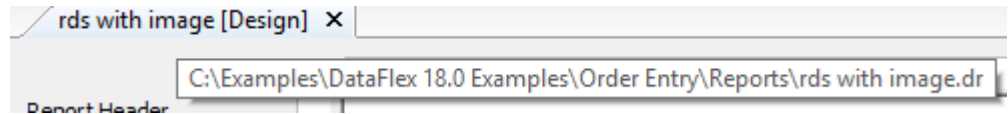
Delete Insert OK Cancel

# Workspace support

- Start with `-x <ws/sws filename>`
- Loads the DataFlex embedded database from that workspace in create new report
- Auto correct the data source location of a report
  - Easier to run a report with a different data source location
  - Not marked as a report change

# Other

- Improved remote desktop support
- Font strikeouts
- Summaries in report/group headers
- Improved error reporting
  - Check database
  - Other areas
- Size to section height
- Improved floating menus
- Tool-tip for report name



# Other

- Check database shows SQL index for a column if part of an index
- Better DPI scaling support
- Double click on a field in the design now always open a dialog (e.g. field properties or edit function)
- Font sizes with a decimal are possible now (e.g. Arial 8.5)
- Entering filter value in new report wizard improved
- Alias table names can be entered if needed
- Browse data for RDS columns possible

# Other

- Designer improvements
  - Box without border draws object outline
  - Arrange objects with objects (partially) outside the paper size now works
  - Group footers show correct names
  - Moving objects from different sections don't group them together anymore
  - Variable height cannot be selected for horizontal lines
  - Setting line or box color via tool-bar button
- Add column in new report wizard now automatically advances to the next column
- Group expert improvements

# Integration library

# Integration Library

- DataFlex 18.0 support
- DataFlex 15.1 support no longer available
  - Major reason: The lack of CodeJock grid support needed for the wizard
- New preview window class
- Improved initialize library wizard
- Removed the function to set the collating sequence file
  - Collating information is now stored in the report itself
- Paper source (bin) setting supported



# Integration library

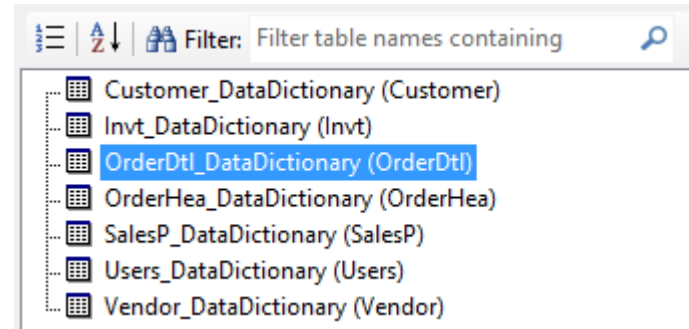
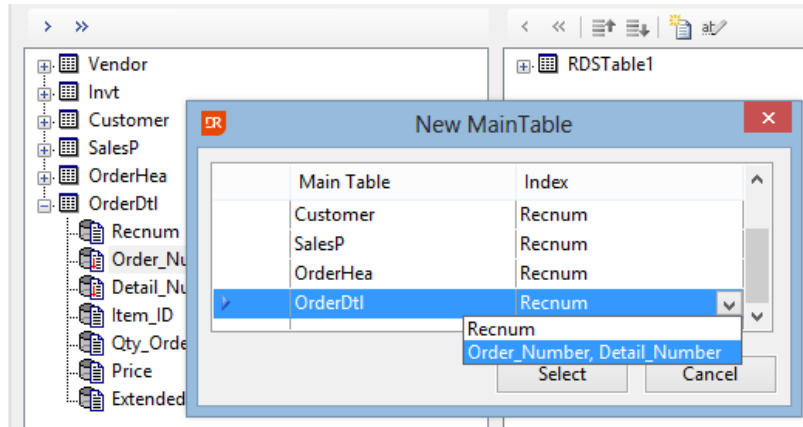
- Renamed classes and constants
  - Use DataFlex Studio search and replace to update your code
  - Follow the steps in the readme
    1. Click the replace in files button in the Studio (Ctrl+Shift+H)
      - o Enter VRW in the "Text to Find" input field
      - o Enter DR in the "Text to Replace" input field
      - o Click the "Replace All" button
    2. Open the <projectname>.cfg file
      - o Replace all VRW with DR for the icons and bitmaps
    3. Search for the usage of psDatabaseCollate and remove the code. The property does not exist anymore
    4. Optional:
      - o Replace all ".vrw" to ".dr" in the program code
      - o Rename all reports with a VRW extension to DR

# Create RDS reports

- Select table/data dictionary
- Select columns, create RDS tables
- Finish the design in the DataFlex Reports

Choose Between:

- ☐ Connect To An Existing Report
- ☒ Create New RDS Report (Using Data-Dictionaries)



# Demo RDS

- Adventure Works Person table