

DataFlex Entwicklerstag 2017

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DataFlex Reports

- Product status
- Web & Windows application integration showcase

Product Status

What is DataFlex Reports

- Simple way to make reports
 - Comparable with old Report macro
- Support for many data sources
 - DataFlex
 - ODBC
 - RDS
- Programmable via functions

Features

- Standard and Developer edition
- Windows designer
- Extended library for Windows and Web
- Simple deployment
 - Windows apps: Free with the Developer edition
 - Web apps: Deployment license per server
- Maintenance utility

What is new in v6?

- Native barcode support (70+ types)
- Functions
 - Case statement
 - Open the function editor on error
- Speed enhancement
 - JIT function pre-compiler
 - Sum functions

What is new in v6?

- Copy objects between reports
- Custom section names
- Enhanced documentation
 - PDF removed
 - Help files integrate with DataFlex 2017 Studio

What is new in v6?

- Tables, views & stored procedures allways available
- Embedded SQL
- One class for report integration
- Desktop preview style added

Windows & Web Integration

Two worlds

- Different needs
- Different output techniques
- Same report!
- Same reporting engine!
- One report integration class
- One wizard
- Several templates

Integration wizard

- Connects to existing report or create a new RDS based report
- Can generate a Windows or a Web report view; both Desktop and Drill-down style applications supported

Windows Integration



Output to

- Previewer control
- Printer
 - Selecting printer, default printer and printer by name supported
- Export to file
 - PDF, CSV, XLS, RTF, Image

Windows Previewer

- Modal
- MDI view
- Embedded
- Toolpanel
- DesktopView

Examples

- Simple customer list
- Orders per customer
- Inventory label with barcode
- Photo gallery
- SQL function usage
- Dynamic filter expert

Simple customer list

- Report view generated by integration wizard
- Modified with:
 - Usage a different canvas color
 - Enabling option to specify which page numbers to print in the select printer dialog
 - Export report results to PDF and e-mail them
 - Choose of preview style

Orders per customer

- Tab-page in Customer Entry view
- Runs report on selecting a different customer
- Click on inventory items, order numbers and salesperson name possible
 - Opens the data entry view for these tables

Inventory label with barcode

- Show a modal dialog with a label when an inventory item is selected
 - Using one of the 73 new built in barcode formats

Photo gallery

- RDS based
- View shows all folders
 - Inclusive Windows designated Pictures folder
- Selecting a folder collects all image file names and reads their data in an RDS array member
- Report shows the image

SQL function call

- Uses ESQL (with use of Managed Connections) to get codemast rows for the shipping codes
- Runs a report that shows minimum, average and maximum order total values for the selected shipping method using the new SQL() function

```
SQL("select avg(orderhea.Order_Total) from  
orderhea where orderhea.Ship_Via = '" +  
{?ShipViaCode} + "'")
```

Dynamic filter expert

- Report is the simple customer list
- Data can be filtered by selecting a column, operator and value

Web Integration



Structure

- Report object on a web server
- Output send to the client



Output choices

- Common:
 - HTML
 - PDF
- Optional:
 - Images (jpg, tiff, gif, png)
 - Word
 - Excel
 - CSV

Examples

- Customer list
- Inventory label
- Sales price differences
- Sales persons overview
- Image information

Simple customer list

- Select and results view generated by wizard
- Enhanced with:
 - Customer name display
 - Option to use zebra striping
 - Export to any of the supported export types
 - Click to open/edit customer information

Inventory label

- Use of label style reports
- Based on RDS
- Using new built in barcode support
- Report view made via template
 - Wizard cannot add custom forms and combo boxes

Sales price differences

- RDS based report
- Collects the prices used in all order detail lines for a given inventory product code calculating the highest, lowest and average price
- Shows the results in a chart

Sales persons overview

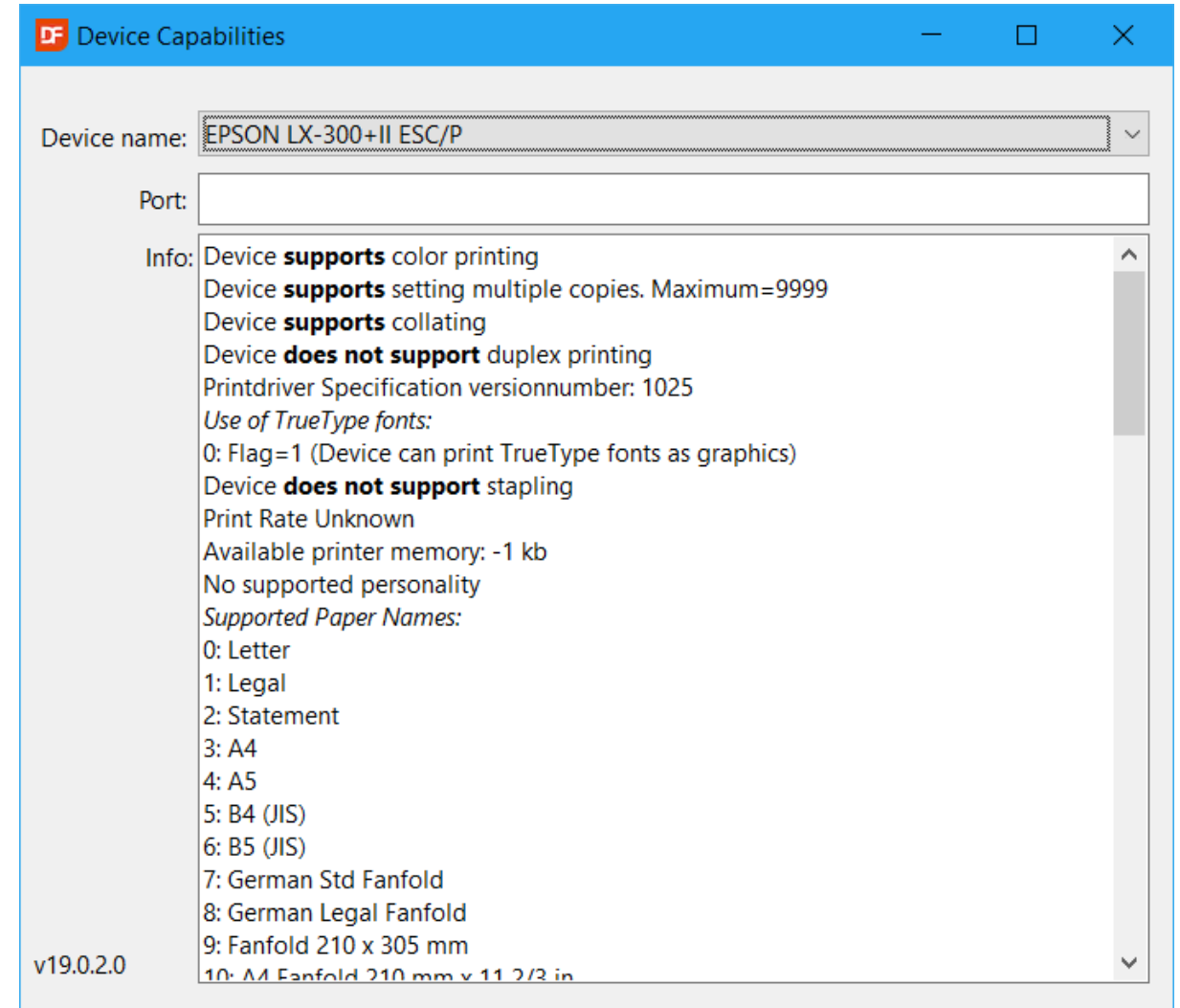
- RDS report shows the ID, Name and photo of the employee
- Image data is loaded as binary information in the RDS array
- Report paints the image

Image Information

- RDS (e.g. EXIF information)
- Resizes image on the fly
 - To avoid that we're loading 40 MB photos with a huge resolution while it isn't used
 - Using the graphics library

Get Printer Information

- Use the DeviceCapabilities tool downloadable from www.dataaccess.eu



Overview

A panoramic view of the Chicago skyline at sunset, with the city lights reflecting on the water in the foreground. The sky is a deep orange, and the buildings are illuminated with warm lights. A bridge with arches is visible in the foreground, and the water reflects the lights and the sky.

Wizard, templates...

- Use the wizard for report views
- Use templates for more coded report integration
- Creation report object from class palette when integration must be mixed with other functionalities

Next version

Sales per Vendor by Salesperson

	Total	Ace Publications	Book World	Business Work Books	Construction Resource	Paperback Merchant	Software Publishing	Technical Book Supply	The Book Emporium
Alina Suarez	801,693.00				2,565.00		278,998.00		520,130.00
Barney Roberts	78,724.00		10,437.00				63,612.00		4,675.00
Bob Stimpson	159,279.00		99,618.00				21,301.00	4,095.00	34,265.00
Carlos Montero	211,470.00	6,060.00	42,287.00	10,919.00		35,422.00	112,024.00	4,758.00	
Carol Watson	51,043.00	3,215.00	6,174.00	14,678.00	3,105.00		12,126.00		11,745.00
Charles Sutor	122,551.00		93,480.00						29,071.00
David Jones	246,609.00								246,609.00
Diana Marino	66,247.00		5,880.00	22,017.00					38,350.00
Fernando M. Barrera	60,410.00		6,174.00	9,139.00	22,912.00				22,185.00
Fred Fearson	205,874.00		6,583.00						199,291.00
Hugo Sampson	258,402.00		12,272.00	26,793.00			74,135.00	1,482.00	143,720.00
Joe Carson	399,885.00		16,805.00			16,512.00	142,004.00	8,580.00	215,984.00
Jonathan Walton	407,737.00			7,130.00	42,427.00		129,681.00	10,988.00	217,511.00
Judy Supinsky	242,679.00		12,495.00	30,037.00		42,166.00		3,744.00	154,237.00
Kellie Smith	551,421.00		184,623.00	16,663.00	170,923.00	12,255.00	143,610.00	3,627.00	19,720.00
Liza Collinsworht	494,097.00		221,713.00		16,826.00	27,477.00	202,031.00	23,866.00	2,184.00
Mack Kraft	115,664.00		8,873.00	15,531.00	12,530.00		34,880.00		43,850.00
Mariana Suarez	333,759.00		5,047.00	6,890.00			11,979.00		309,843.00
Martha Hyde	107,566.00		5,829.00				48,631.00	1,691.00	51,415.00
Mary Miller	267,427.00		26,686.00		179,797.00	13,416.00	26,793.00		20,735.00
Nick Johnson	269,711.00		16,589.00	22,196.00			108,907.00	5,109.00	116,910.00
None Specified	253,796.00		167,991.00			16,383.00	69,422.00		
Pam Dickson	104,174.00		54,066.00				14,766.00	4,602.00	30,740.00
Randy Miller	57,361.00		15,313.00				37,368.00	4,680.00	
Rita O'Donaldson	222,331.00		38,510.00	18,079.00			161,998.00	3,744.00	
Susan Quicksilver	266,722.00		6,125.00	24,785.00	166,250.00	17,028.00	14,319.00	4,290.00	33,925.00
Tina Tompson	136,616.00		12,542.00		1,650.00		98,748.00	2,337.00	21,339.00
Totals	6,493,248.00	9,275.00	1,076,112.00	224,857.00	618,985.00	180,659.00	1,807,333.00	87,593.00	2,488,434.00

Vielen Dank für Ihre Aufmerksamkeit!
Haben Sie Fragen?

