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ATLANTA, GA, USA

# SYNERGY 2017

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# DataFlex Reports

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Web & Windows application integration showcase

# Wat is DataFlex Reports?

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- Simpele manier om rapporten te maken
  - Lijkt veel op oude report macro
- Ondersteuning voor verschillende databases
  - DataFlex
  - ODBC
  - RDS
- Programmeerbaar via functies

# Features

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- Standard en Developer editie
- Windows designer
- Uitgebreide library voor Windows en Web
- Simpele deployment
  - Gratis met Developer Editie
- Maintenance utility

# Wat zit er in versie 6?

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- Barcode support (70 types)
- Embedded SQL
- Verbeterde performance
  - JIT function pre-compiler
  - Sum functions
- Functions
  - CASE statement
  - Open de function editor in geval van error

# Versie 7 (toekomst)?

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- Nieuwe opties
  - Multi-column reports?
  - Cross-tabs?
  - Wijzigingen in preview?
  - Nieuwe drivers?
  - Unicode support?
  - ...

# Enterprise editie

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- In ontwikkeling
- Automatische parameter prompt
- Version control & logging
- Repository voor:
  - Database connecties
  - Functies

# Two worlds

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



# Integration wizard

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- 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

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# Output to

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

# Windows Previewer

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- Modal
- MDI view
- Embedded
- Toolpanel
- DesktopView

# Examples

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- Simple customer list
- Orders per customer
- Inventory label with barcode
- Photo gallery
- Shipvia
- Dynamic filter expert

# Simple customer list

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- 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

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- 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

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- 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

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- 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

# Shipvia

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- 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

# Dynamic filter expert

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

# Web integration

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# Structure

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



# Output choices

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

# Examples

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

# Simple customer list

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- 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

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- 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

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- 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

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- 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

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- RDS (e.g. EXIF information)

# Overview

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# Wizard, templates...

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- 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

That's it for today...

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