Power Platform VVOrld Tour

PowerBIUG PowerAppsUG FlowUG



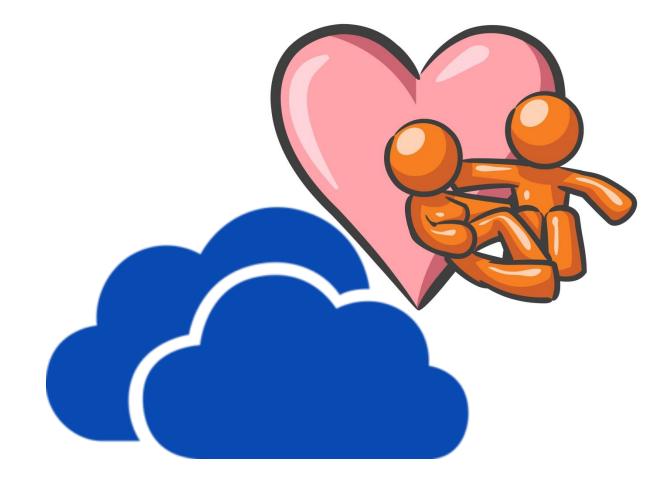
Paginated Reports in Power BI

Just Thorning Blindbæk



Agenda - Love is in the air

- The background
- Use cases
- How to create a report
- How to publish and distribute
- The future

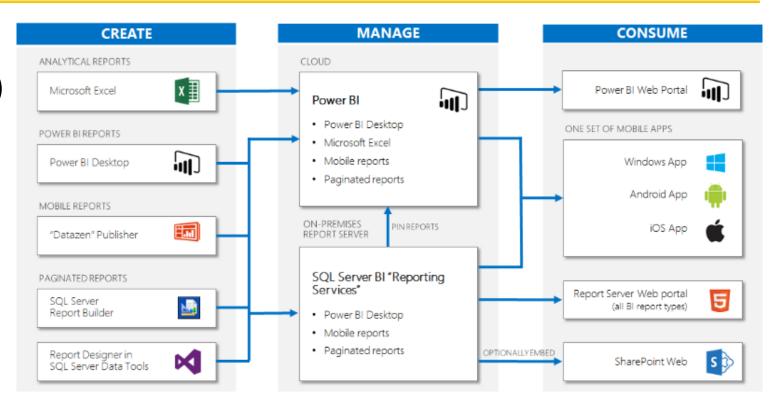




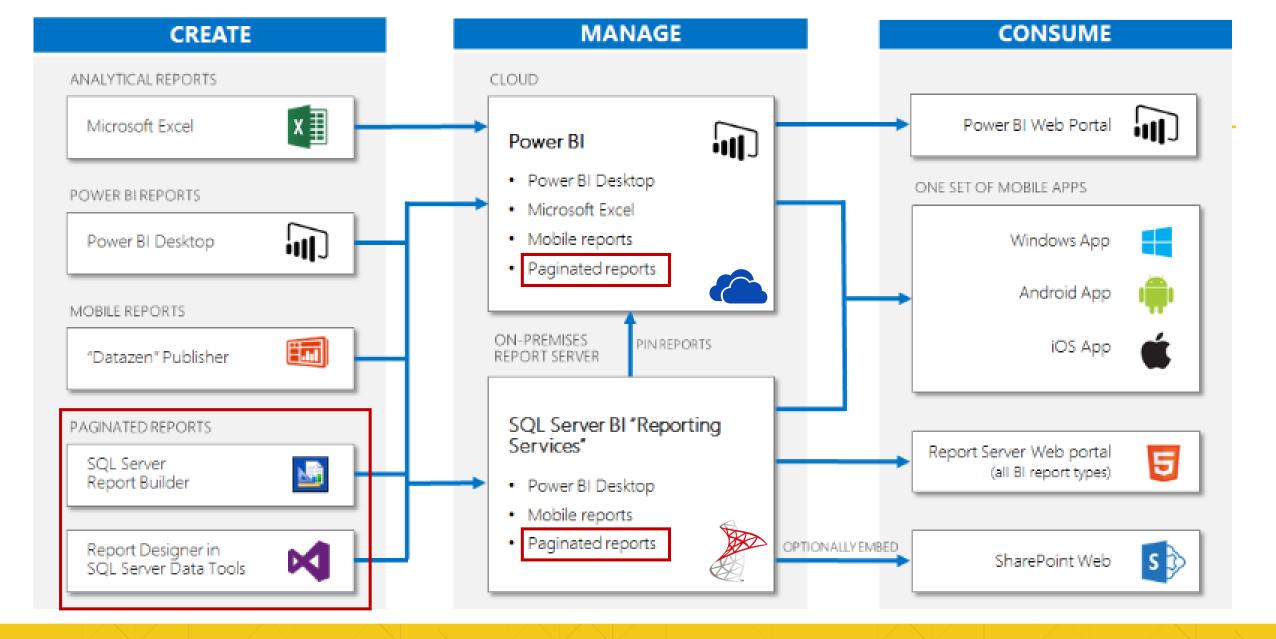
Pixel perfect print friendly paginated reports

- Been around for years...
 - Reporting Services (SSRS)
 - SQL Server 2000
 - Now GA in Power BI
- The Swiss Army Knife





Microsoft Reporting Roadmap, October 2015





Use cases

1. Migration scenarios

All ready a large investment in Paginated reports

Gather them with your Power BI analytical reports

2. Complement to Power BI reports

- Print, print, print
- Push reports and/or data
- Export without row limits
- Multiple live connections in the same report



Strengths

- Paginated
- Print friendly
- Pixel perfect
- Multiple export formats
- Parametrized subscriptions

Weaknesses

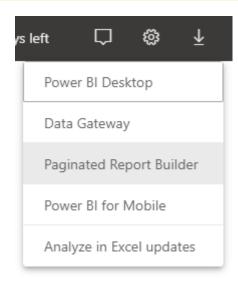
- Require premium
- Additional development tool

How to create a report



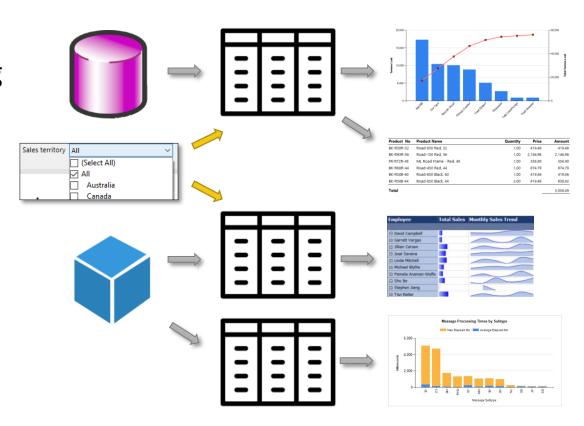
Power BI (Paginated) Report Builder

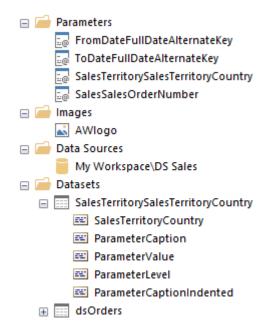
- Another development tool
 - SQL Server Report Builder + additional features
 - Not as user friendly as Power BI Desktop
- Download and install
 - Updated frequently
- Free don't require Premium
 - Try it out!



Report objects

- Data source
 - Connection string
- Dataset
 - Just a flat table
- Parameter
 - Input filter
- Data region
 - Tablix, chart





Data sources for the Power BI Developer

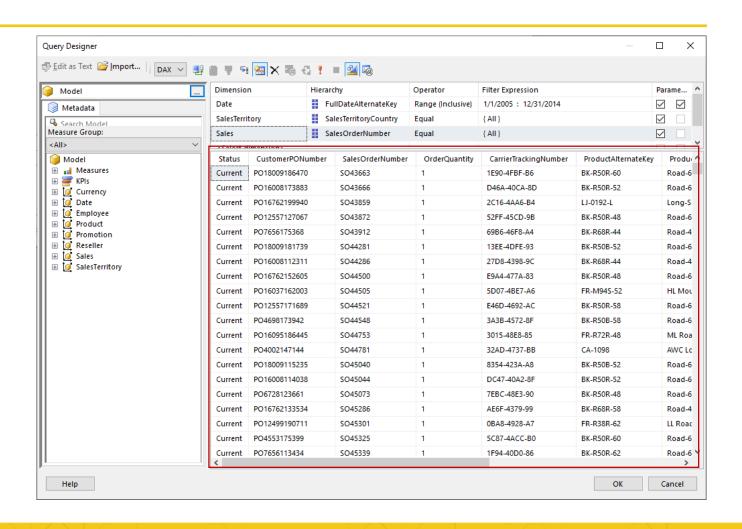
Reuse what you have already build!

- Power BI Datasets
 - Premium
 - Non-premium
- Analysis Services
 - On-prem (Tabular and MOLAP)
 - Azure

- Other sources
 - SQL Server On-prem
 - Azure SQL DB
 - Azure SQL DW
 - Oracle
 - Teradata

Datasets

- Not a Model
- No import mode
- Just a query
 - Live/direct connection
 - Returns a flat table
- Query designer
 - Generates DAX or SQL



Parameters

- Report Parameters
 - Values specified when rendering a report
 - By a user viewing a report interactively
 - In a report subscription
- Dataset/query Parameters
 - Used to restrict query results
 - Mapped to a report parameter

```
-- Dataset query
SELECT SalesOrderNumber, SalesAmount
FROM FactInternetSales
WHERE YEAR(OrderDate) = @Year
```



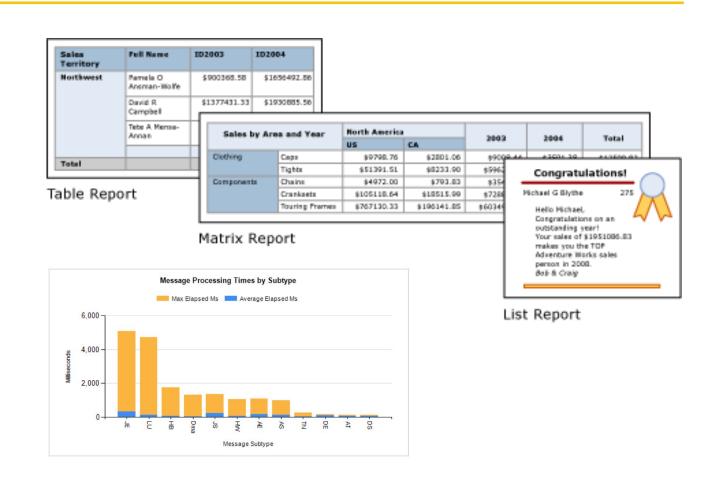
Report Data

New → Edit... X + →

Data regions

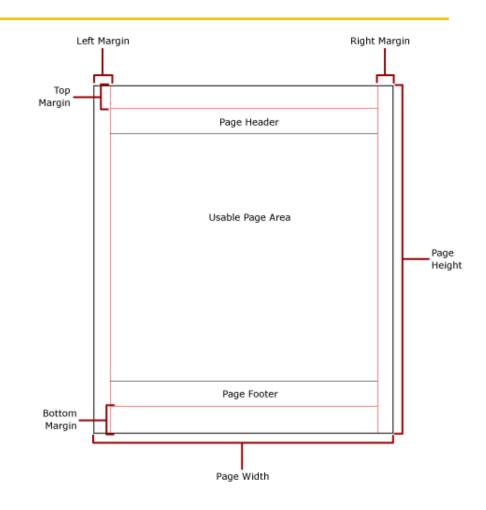
Like Visuals in Power BI

- Tablix
 - Tables
 - Matrixes
 - Lists
- Charts
- Gauge
- Maps



Report-Level Properties

- Report Layout
 - Interactive size
 - Page size
 - Margins
 - Language
- Body size
- Header and footer

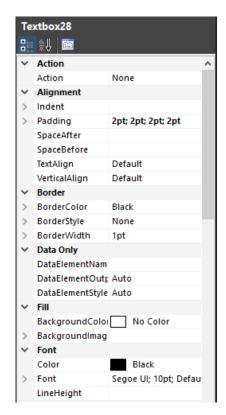


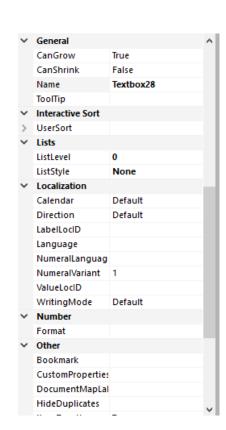
Item Properties

Complete control over every element in the report

- Fonts and colors
- Date and number formatting
- Naming of report objects
- Expressions!

You can make it pixel perfect ©





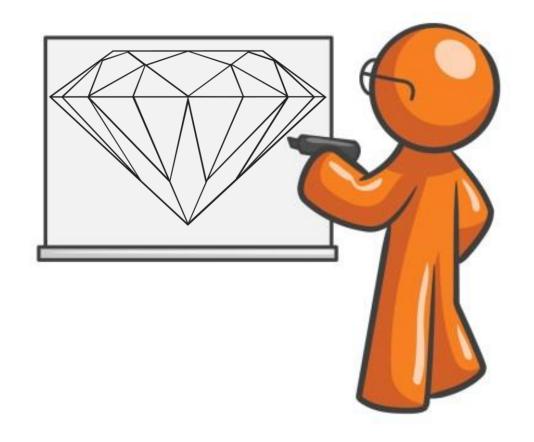
How to publish and distribute



Premium 😊

- Require P1, P2, P3 or A4, A5, A6
 - Support for A3 is coming

- How to test with out Premium?
 - Azure Portal
 - Create Power BI Embedded
 - Scale to A4 \$8 per hour
 - Assign capacity to workspace



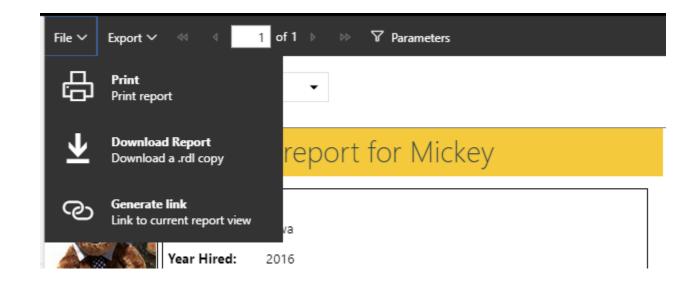
Print, Export and Subscriptions

- Print, print, print
- Export
 - PDF, Word, Excel, PowerPoint, Web
- Subscriptions
 - Hourly, Daily, Weekly
 - Parametrized



Bonus: Integration between reports

- Drill trough scenarios
 - Paginated -> Paginated
 - Power BI -> Paginated
- URL parameters
 - Link to report
 - rp:parameter=value
 - rdl:format=PDF





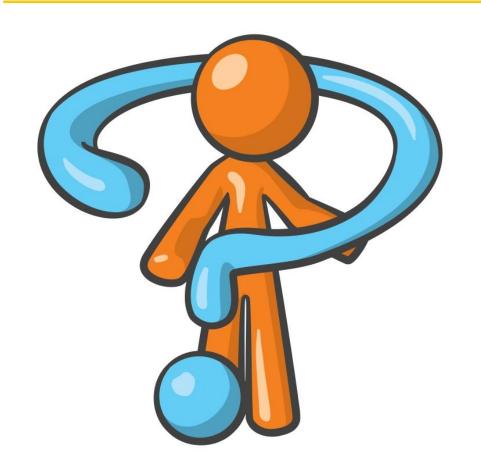
Additional features we can expect to come

- Data driven subscriptions
- Shared data sources and datasets
- Power Query as data source
- More admin options in portal
- Migration tool

- Support for Pro users?
 - Ideas: https://ideas.powerbi.com/forums/265200-power-bi-ideas/suggestions/35959420



Questions





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