

Power BI Premium Per User compared to Power BI Pro

Faroe Islands
3. november 2022



Just Thorning Blindbæk

- ▶ Self-employed BI consultant in justB
- ▶ Trainer at Orange Man
- ▶ Founder
 - Danish Microsoft BI Community ([MsBIP.dk](https://msbip.dk))
 - Power BI UG Denmark ([PowerBI.dk](https://powerbi.dk))
- ▶ Strong focus on
 - Azure BI architecture
 - Analysis Services
 - Reporting Services
 - Power BI
- ▶ just@blindbaek.dk / blog.justB.dk / [@justblindbaek](https://twitter.com/justblindbaek) / youtube.com/c/justblindbaek



Microsoft
CERTIFIED
Trainer

Microsoft
CERTIFIED
IT Professional

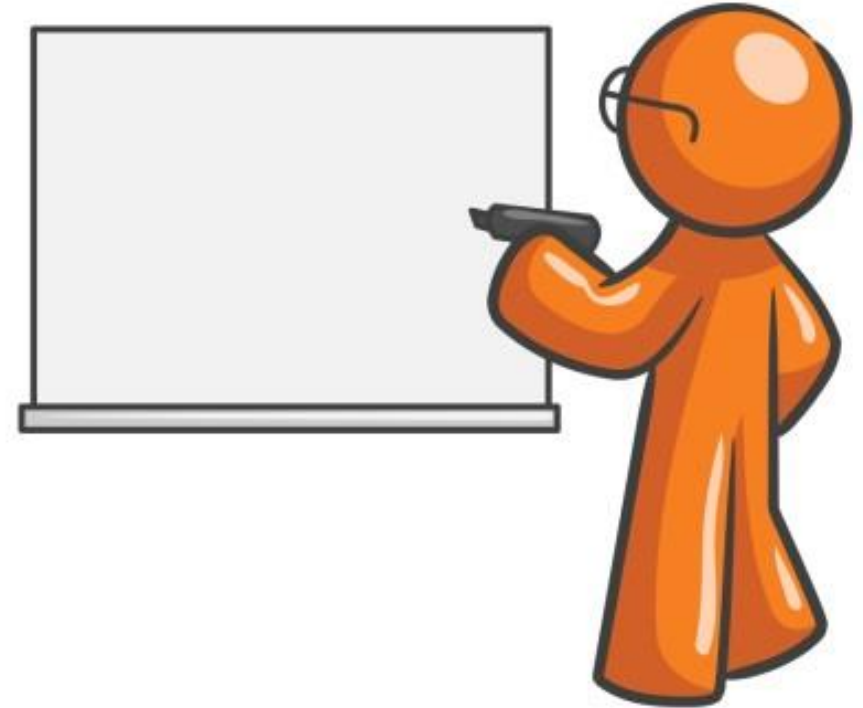
SSAS
MAESTRO
by Microsoft

MVP **Microsoft**
Most Valuable
Professional

ORANGEMAN

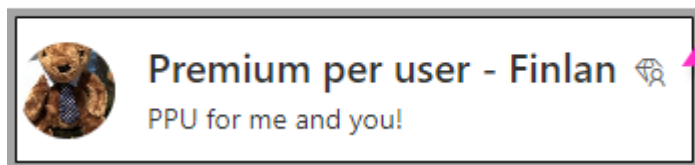
Agenda

- ▶ Features
- ▶ Considerations and limitations
- ▶ Pricing



Features

- ▶ License Premium features on a per-user basis
- ▶ Includes all Power BI Pro license capabilities + many more!
- ▶ Big datasets (100Gb)
- ▶ Unlimited refreshes per day
- ▶ Paginated (RDL) reports
- ▶ AI-powered data modeling
- ▶ Direct Query, Linked and Computed Entities in Dataflows
- ▶ Datamart creation
- ▶ XMLA endpoint
- ▶ Deployment pipelines
- ▶ Export API – with limitations



Considerations and limitations

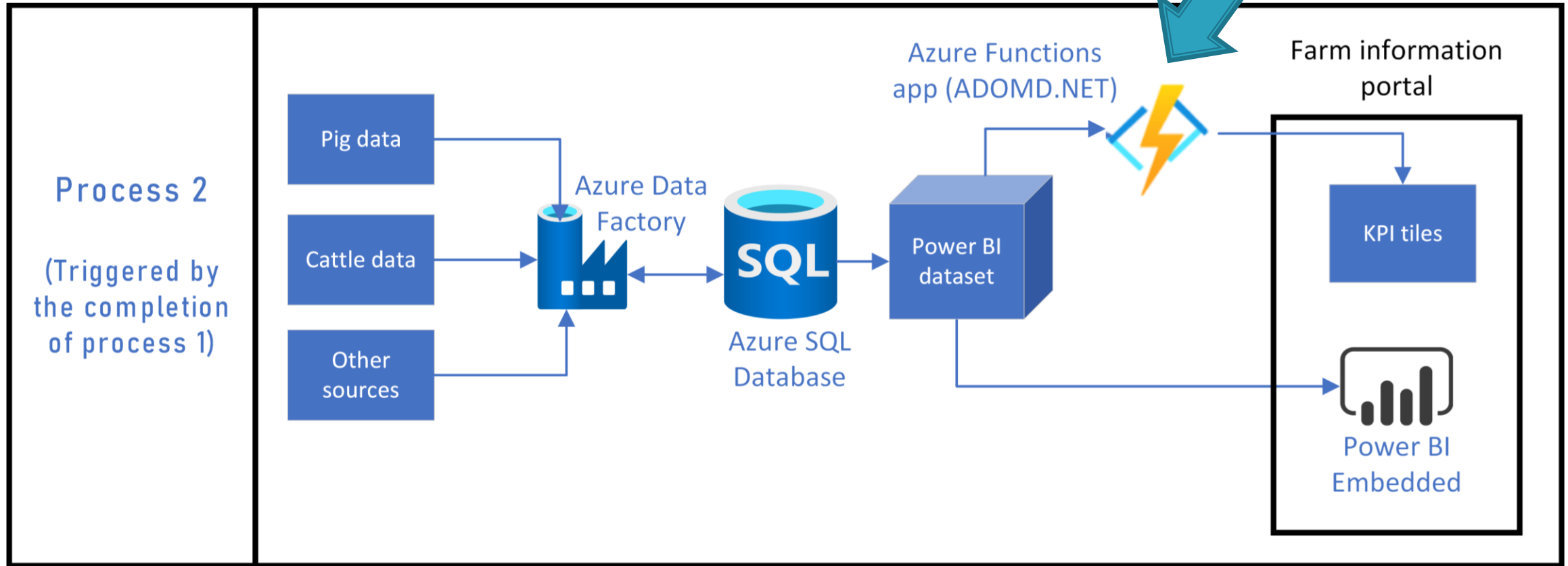
- ▶ Users must have a Premium Per User (PPU) license to access content in a Premium Per User (PPU) workspace or app.
- ▶ You can grant access to users to the workspace who don't have a PPU license, but they will receive a message stating they cannot access the content

		Users with this license type can view/access the content		
		Pro	Premium Per User	Premium Per Capacity User (no named license)
If you create/share Power BI content in the Power BI service in this type of workspace/app	Pro	Yes	Yes	No
	Premium Per User	No	Yes	No
	Premium Per Capacity	Yes	Yes	Yes

What is the XMLA read/write endpoint?

- ▶ XMLA is the same protocol used for managing SQL Server Analysis Services and Azure Analysis Services models, a variety of Microsoft and third-party tools can be used with Power BI datasets
- ▶ Power BI to support self-service and IT-managed enterprise data models on a single, all-inclusive platform
- ▶ Additional scenarios for dataset management, advanced semantic modeling, debugging and monitoring

Single-source architecture

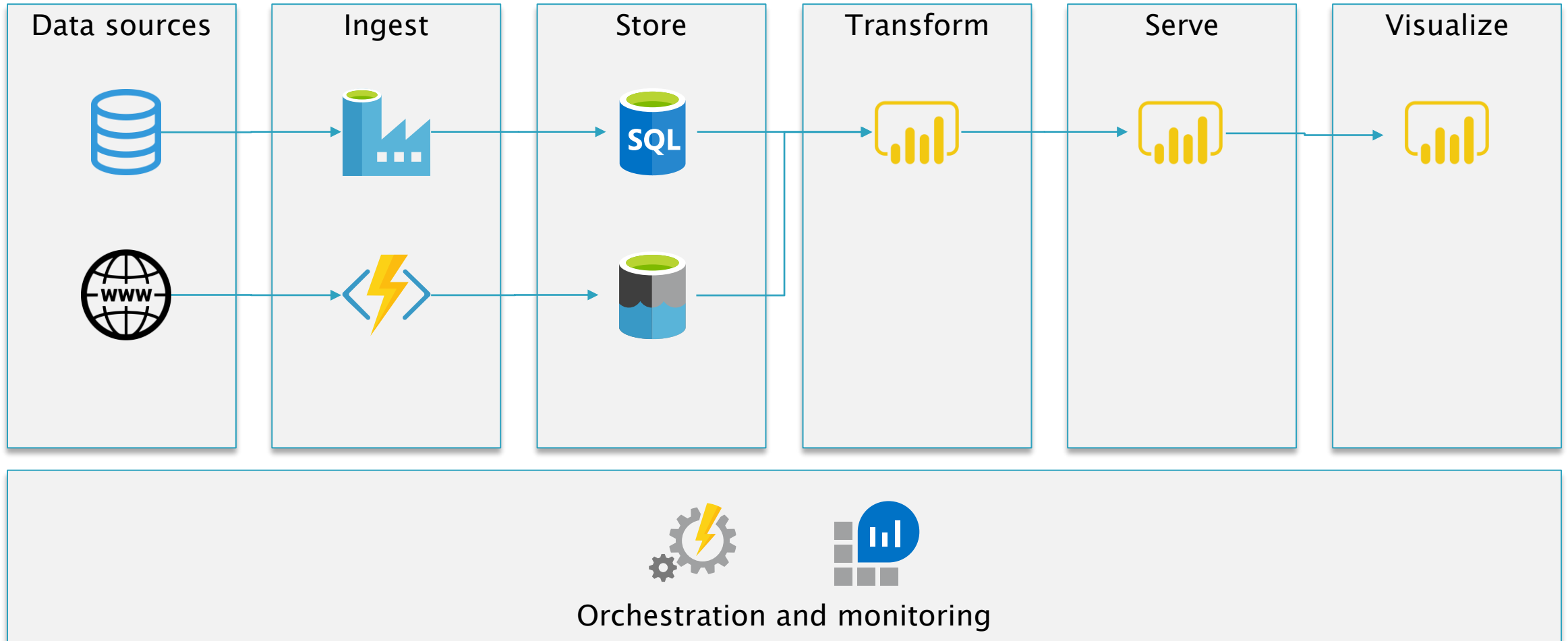


<https://customers.microsoft.com/en-us/story/852447-seges-professional-services-power-bi>

Demo: Query from DAX Studio

- ▶ Connecting to a Premium workspace
- ▶ Execute a DAX Query
- ▶ Extra:
 - Execute a DMV Query
 - Run the Vertipaq analyzer

Near real-time refresh architecture



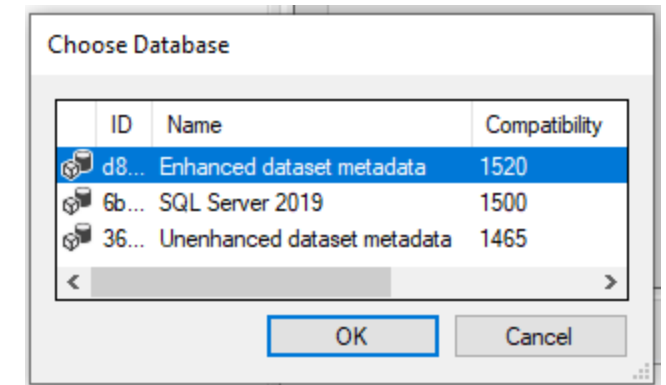
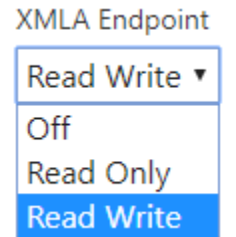
Demo: Fine-grain data refresh

- ▶ Refresh only one table or partition in a dataset
- ▶ Scenario: Near real-time refresh
- ▶ PowerShell cmdlet: Invoke-ProcessTable
- ▶ Automation with Azure Runbook

```
ProcessTable.ps1 X
1  ## Parameters
2  $Server = 'powerbi://api.powerbi.com/v1.0/myorg/IT-managed datasets'
3  $Database = 'TraditionalDW'
4  $TableName = 'Metadata'
5  $RefreshType = 'Full'
6
7  Invoke-ProcessTable -Server $Server -Database $Database -TableName $TableName -RefreshType $RefreshType
8
```

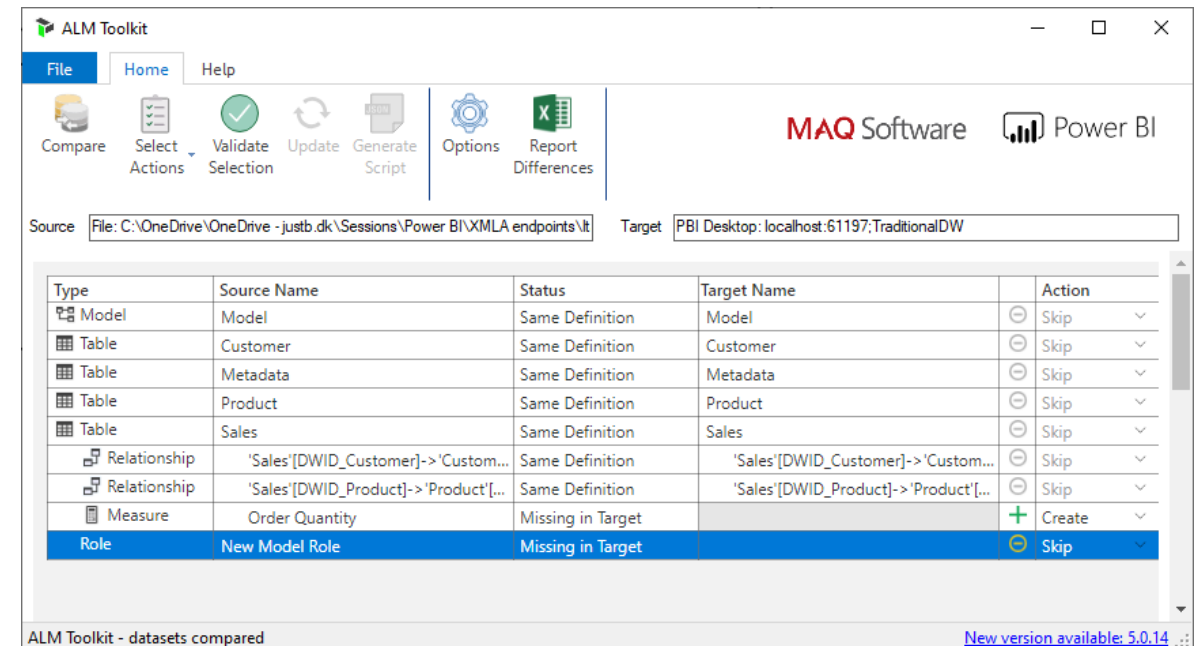
Demo: Deployment with Tabular Editor

- ▶ Live connect to dataset with Tabular Editor
- ▶ Deploy a saved model to the Power BI Service
- ▶ Automating the deployment process
- ▶ Download dataset from the Power BI Service?



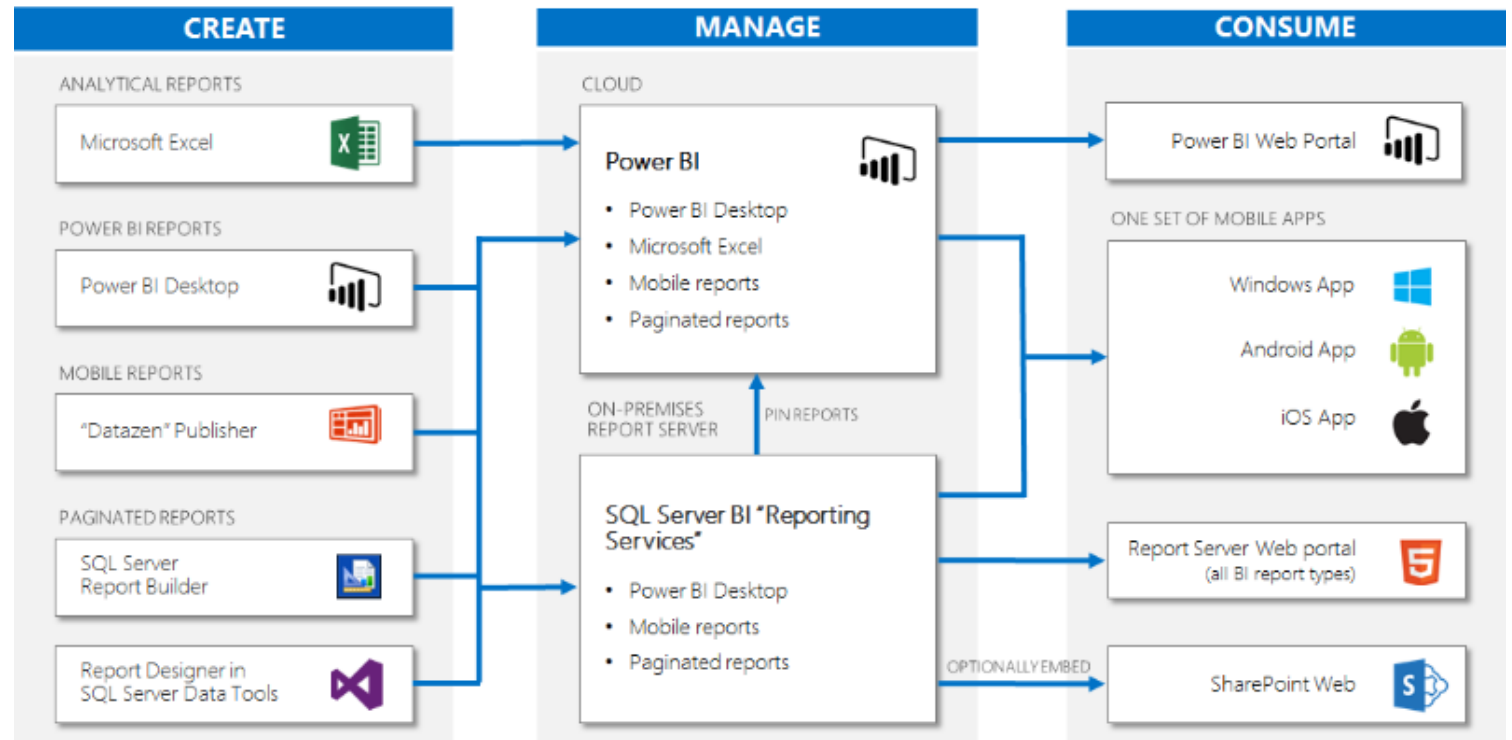
Demo: Incremental deployment with ALM Toolkit

- ▶ Compare models
 - Power BI Desktop to Dataset in Workspace
 - .BIM file to Dataset in Workspace
- ▶ Incremental deploy changes



Pixel perfect print friendly paginated reports

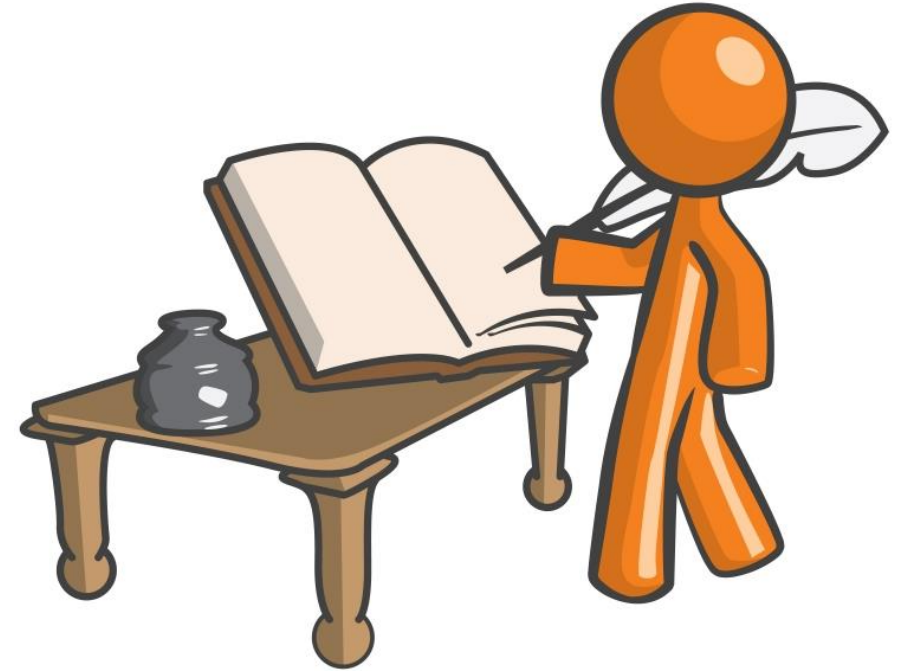
- ▶ Been around for years...
 - Reporting Services (SSRS)
 - SQL Server 2000
 - Now GA in Power BI
- ▶ The Swiss Army Knife



Microsoft Reporting Roadmap, October 2015

Use cases

1. Migration scenarios
 - Already 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

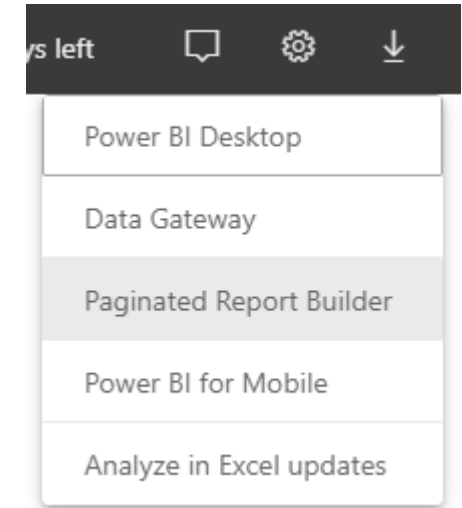
- ▶ Paginated
- ▶ Print friendly
- ▶ Pixel perfect
- ▶ Multiple export formats
- ▶ Parametrized subscriptions

Weaknesses

- ▶ Additional development tool

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!



Pricing

- ▶ \$20 per user/month or \$10 addon to a Pro license
- ▶ Premium Capacity is \$5.000 /month



Questions?



ORANGEMAN