Enterprise and multi-tier Power BI deployments with Azure DevOps





Marc Lelijveld

Data & Al consultant Macaw Netherlands



Marc.Lelijveld@outlook.com

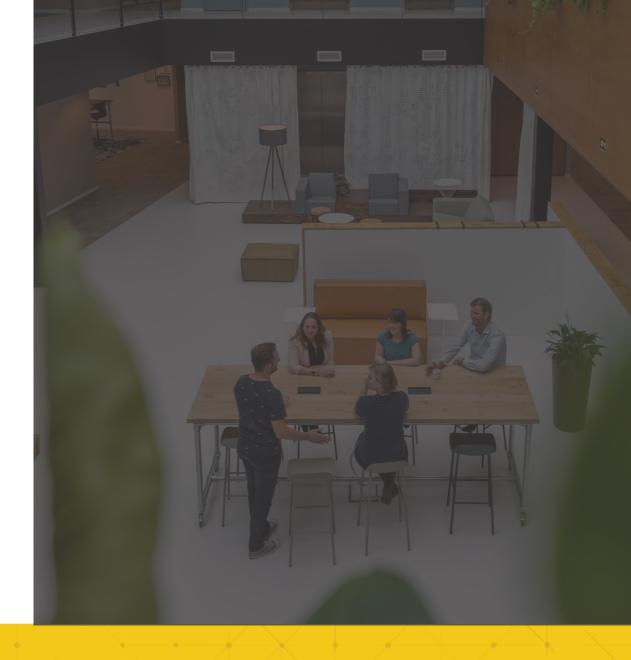
MarcLelijveld

in linkedin.com/in/MarcLelijveld

Data-Marc.com

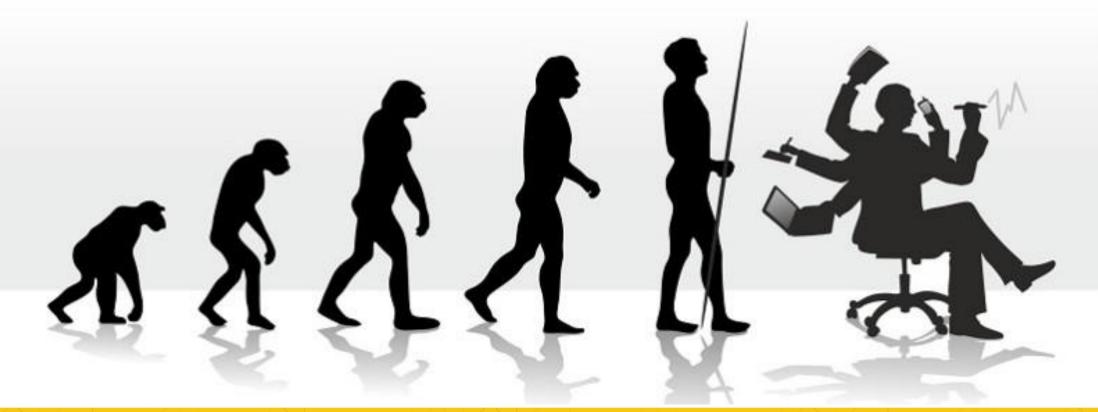
What we cover today

- Our way of working
- The evolution of BI
- Deployment framework
- Demo time!
- What about dataflows?
- XMLA endpoints & roadmap

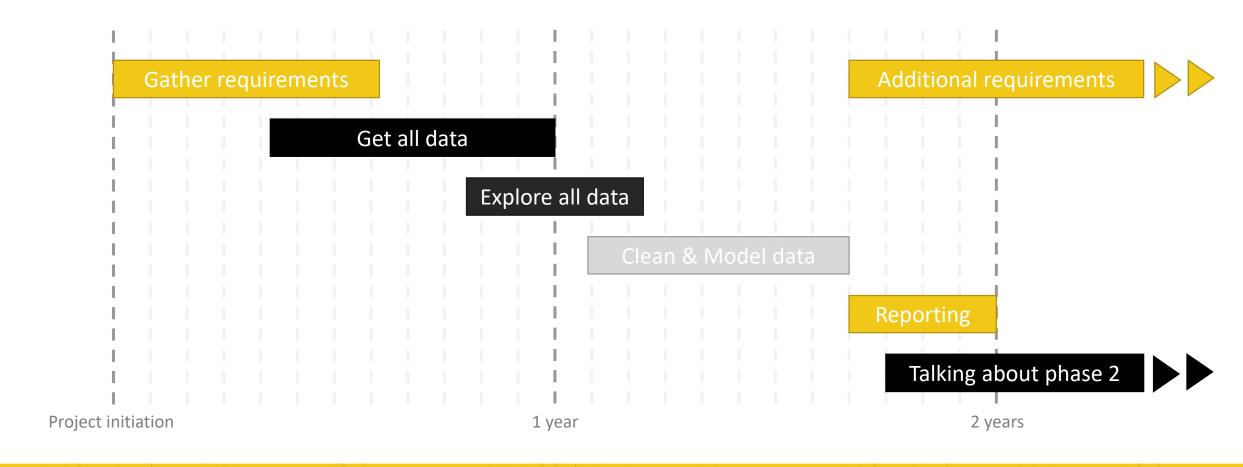




Busy era



Classic approach

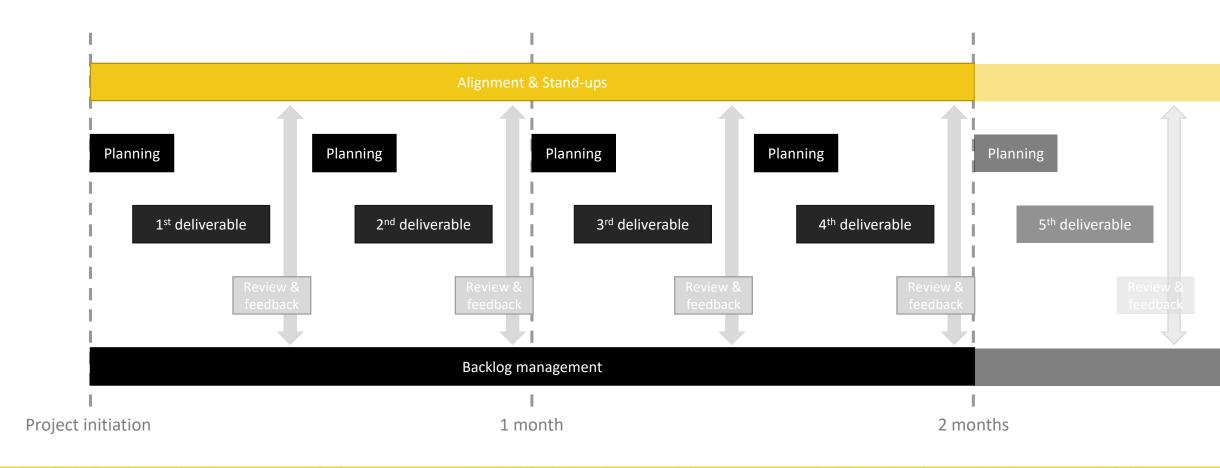




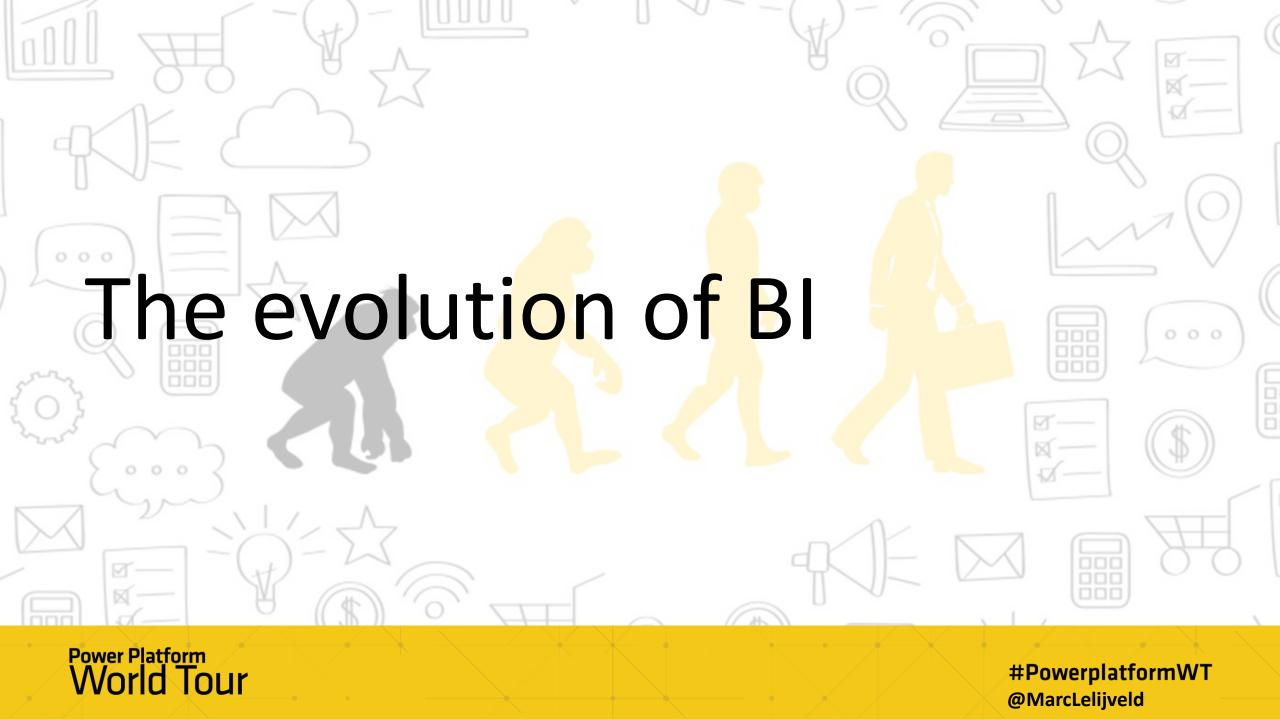
Working on it...

This shouldn't take long.

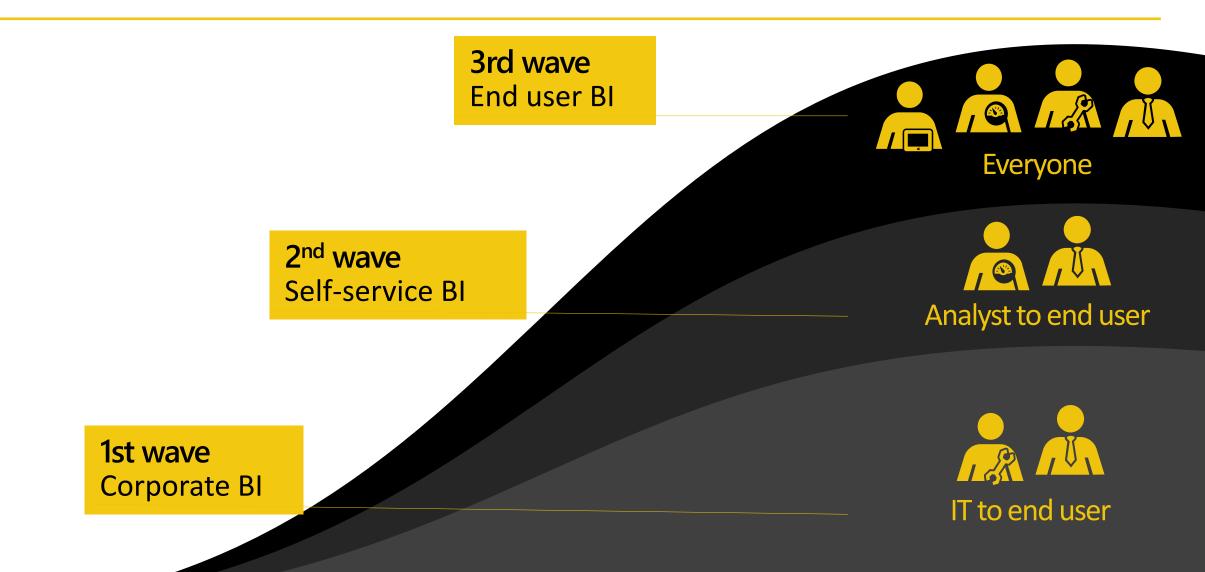
Start working agile







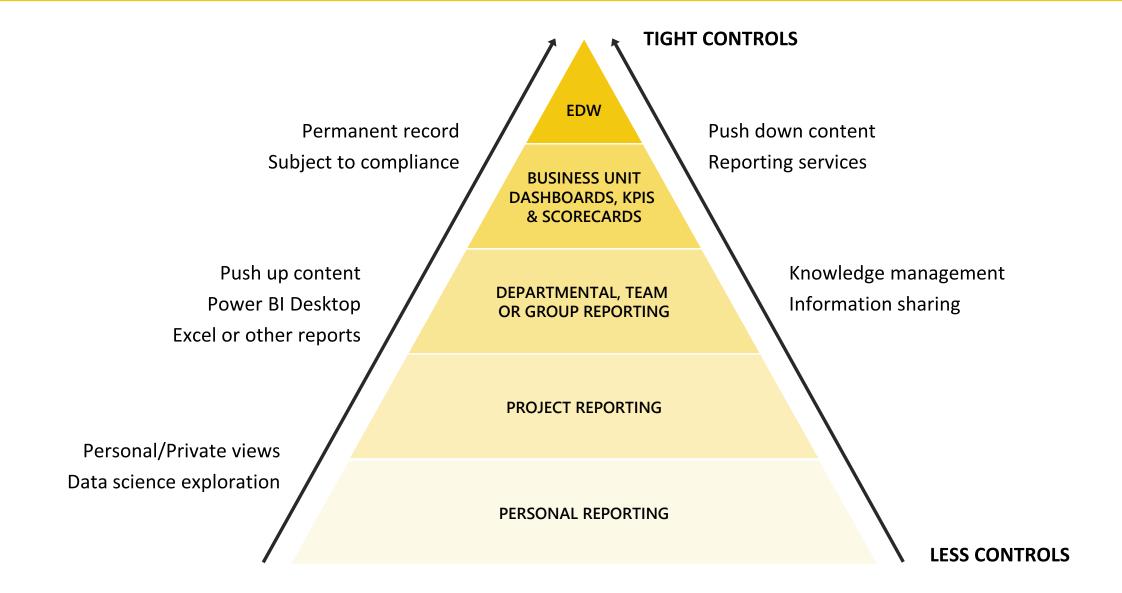
The evolution of BI



Self-service vs End-user BI



Governance model



Deployment scenarios

IT-Managed Business-Led Corporate BI Self-Service BI Self-Service BI **Approach** Blended Bottom-Up **Data sources** Published by IT Only governed sources Any type of data source IT for data model, Business supports all Ownership Fully supported by IT Business for reports elements of the solution IT for data, **Governed by Business** business for reports Usage scope of Creation of (custom) Data prep, modelling, reports Only use of content reports and dashboards and dashboards business

Deployment scenarios

Corporate BI

IT-Managed Self-Service BI

Business-Led Self-Service BI

Approach



Data sources

100%

Ownership

IT-Driven

Governed by

Usage scope of business

50/50



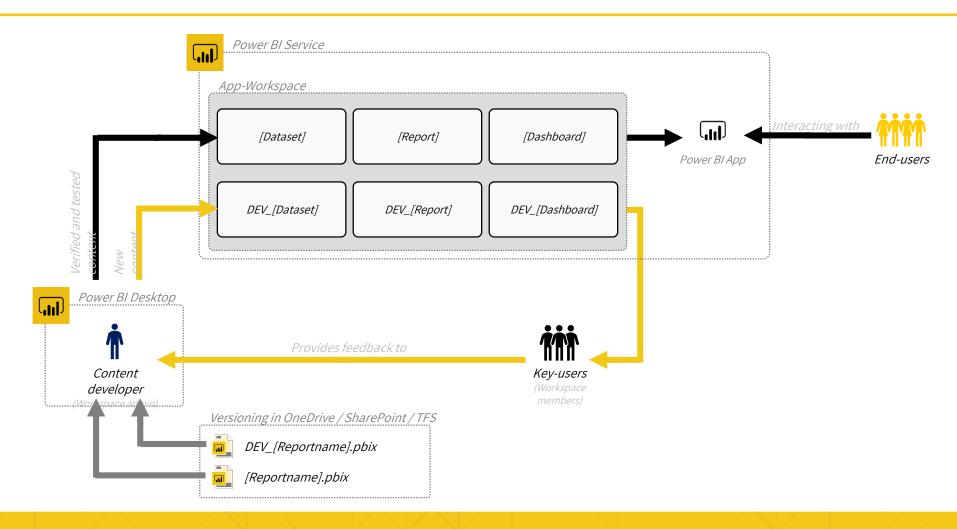
100% **Business Driven**

Roles

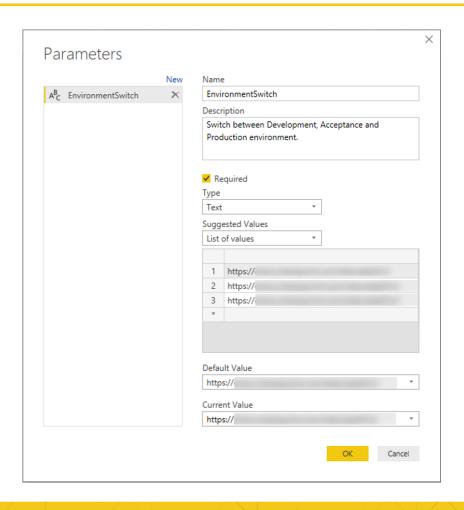
	Skills	Responsibilities
Corporate Sponsor	Influence strategy around BI tools	Tool assessment
Power BI Champion	Subject matter expert	Strategically deploy Power BI across the organization or team
Security Officer	Auditing, Data classification	Data & usage policy
Data Steward	Data modelling	Enhance data quality, create and maintain a data catalog and dictionary
Data Architect	Technical knowledge of data sources and how to connect to them	Matching business requirements to technical capabilities and architecture
BI Developer	Fully understanding of Power BI capabilities	Make sources available for self-service and develop corporate BI solutions
Administrator	Authentication, IT service management	License assignment, monitoring set-up, gateway management
Support	Full understanding of Power BI capabilities and communication skills	Supports users in self-service scenarios and creating templates

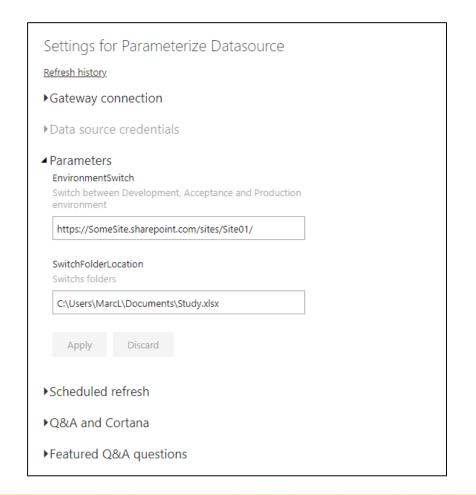
Deployment Framework

Deployment scenarios (at small scale)

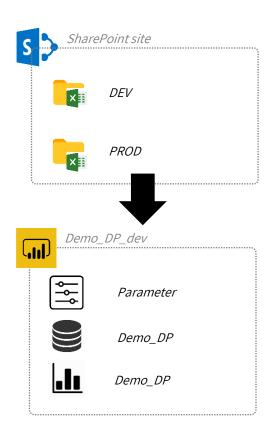


Deployment scenarios (at small scale)

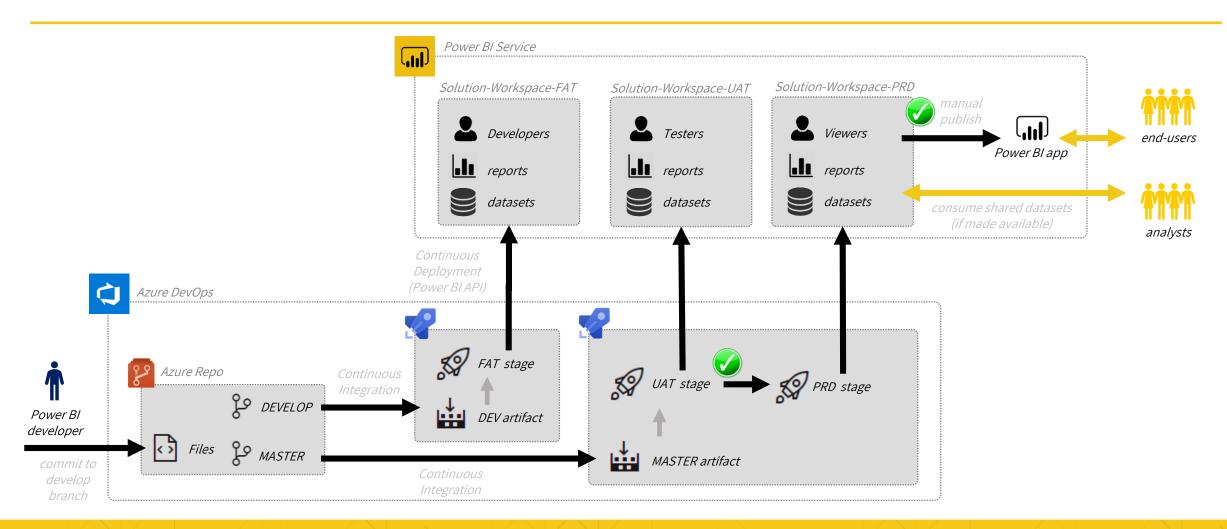




Demo context

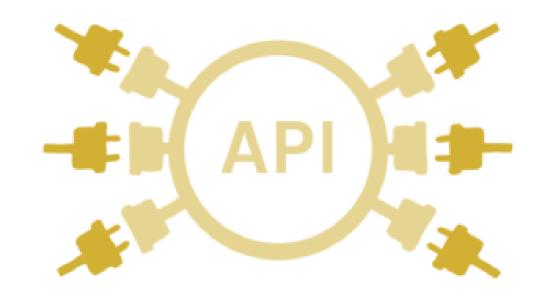


Deployment scenario (at large scale)



Deployment scenarios (at large scale)

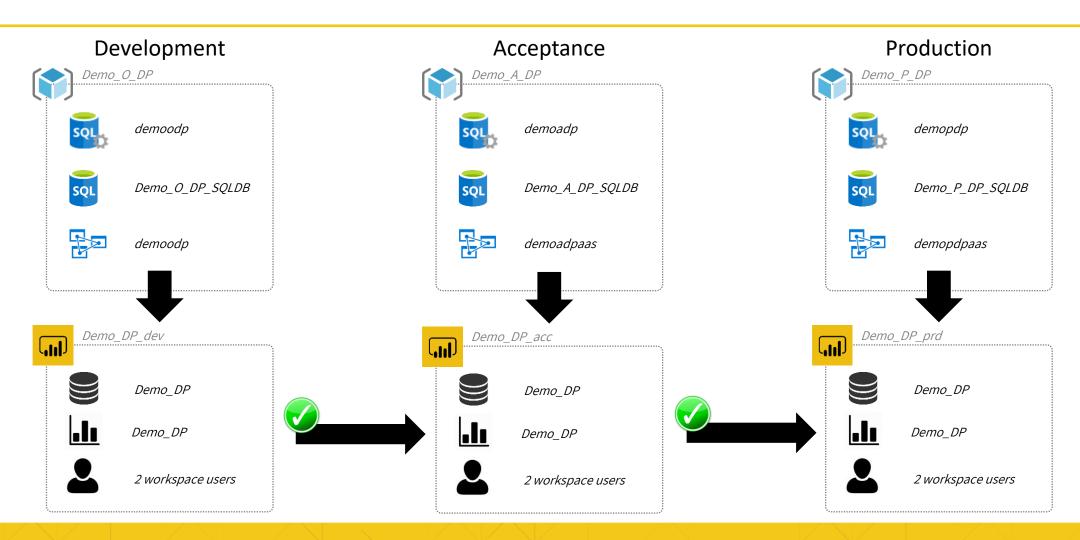






Power BI Service

Deployment scenarios (at large scale)

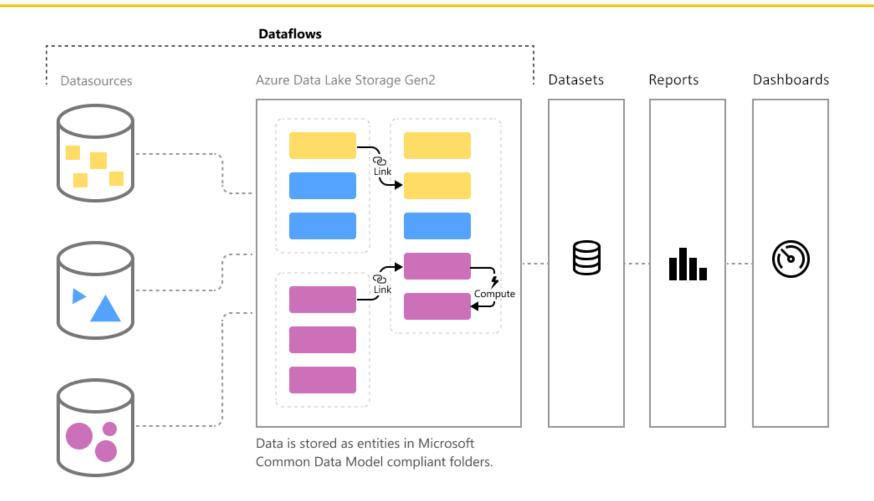


Demo time!

Because life is boring without risks



But what about dataflows...?





DATAFLOWS, DEVELOPING, POWER BI REST API, POWER BI SERVICE, POWERSHELL

Move dataflows across workspaces with the Power BI REST API

Posted by MARC on OCTOBER 22, 2019
EDIT

Dataflows are part of the Power BI service for a while now. More and more people are starting to benefit from it in multiple perspectives. The two most heard ones are re-use of data (and logic), but also isolate refreshes to avoid dependencies of refresh failures from different

COLLIFCEC



Let's do another demo!



XMLA endpoints

- No binary deployment, but check-in code!
- Currently only read available
- Schema compare
- Write endpoint GA planned for December 2019
- Deploy only changes, not the full dataset!

Roadmap

XMLA read/write

10/03/2019 • 2 minutes to read • 💀 🜍 ా



(i) Important

Some of the functionality described in this release plan has not been released. Delivery timelines may change and projected functionality may not be released (see Microsoft policy). Learn more: What's new and planned

Enabled for	Public preview	General availability
Admins, makers, or analysts, automatically	Dec 2019	-

Roadmap

Deployment pipeline - develop, test and deploy workspace content

09/11/2019 • 2 minutes to read • 💿 🜍



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Enabled for	Public preview	General availability
Admins, makers, or analysts, automatically	Mar 2020	To be announced



Recap

- Version history done automatically
- Professionalize your deployment process
- Easy roll-back if needed
- Roll-out more than only Power BI in one go!
- XMLA read/write + Deployment pipelines coming!



Download for free!

Https://bit.ly/cheatsheetpbi



Marc Lelijveld
Data & Al consultant
Macaw Netherlands

Marc.Lelijveld@outlook.com

@MarcLelijveld

in linkedin.com/in/MarcLelijveld

Data-Marc.com

