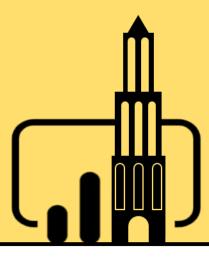




## Use parameters

to add extra flexibility to your Power BI content



### Working on it...

This shouldn't take long.



#### Marc Lelijveld

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Data-Marc.com





#### **MET DANK AAN ONZE PARTNERS**

#### **Platinum Partners**









#### **Gold Partner**









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#### **Community Partners**















### Agenda

- Apply parameters to your DTAP pipeline
- Optimize report building
- Building a date dimension
- Parameters in the Power BI Service
- Create templates
- What If parameters

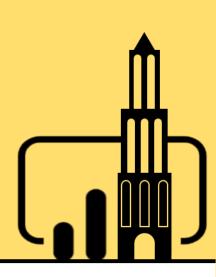








# Apply parameters to your DTAP pipeline





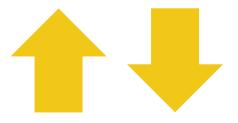
### Deployment Scenarios

**Business-Led Self-Service BI** 



Bottom-Up

IT- Managed Self-Service BI



**Blended** 

**Corporate BI** 

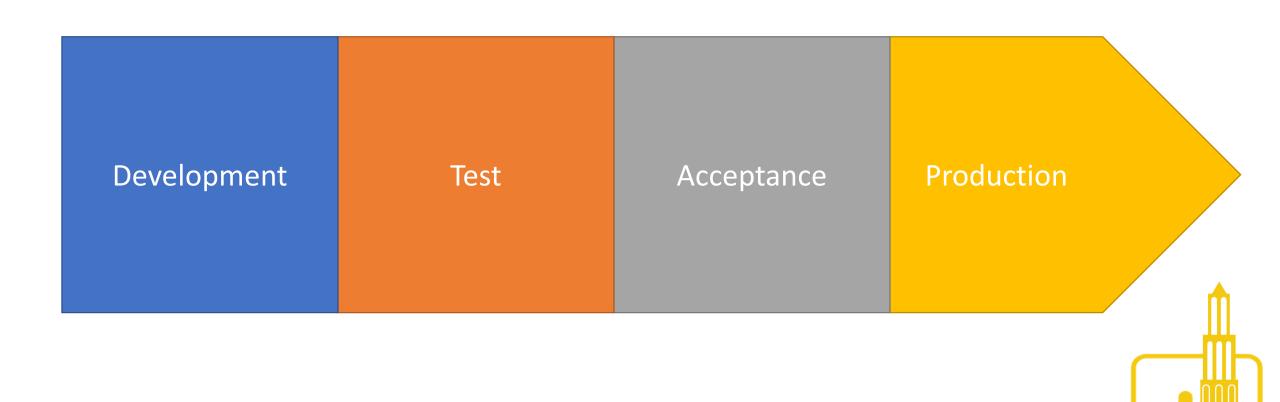








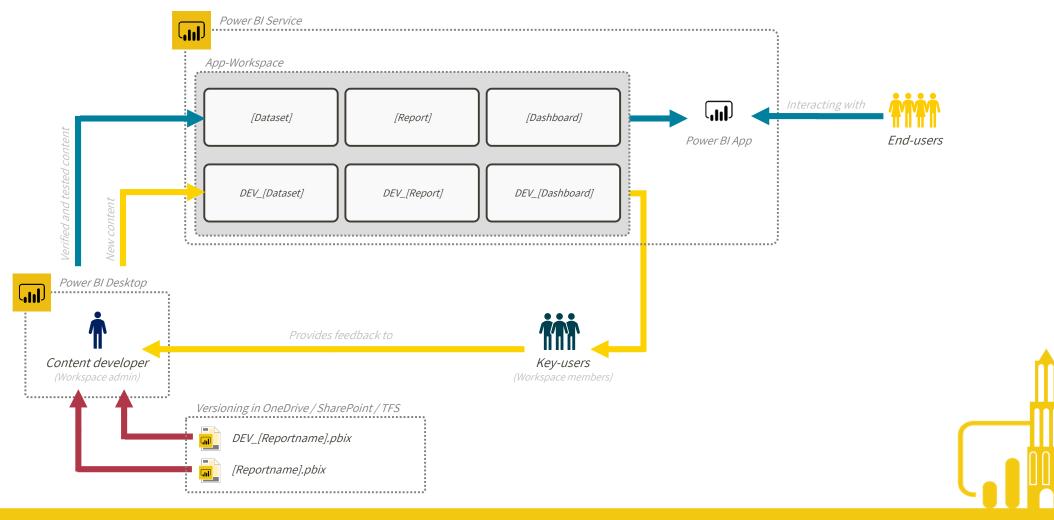
#### **DTAP**







### Power BI Deployment

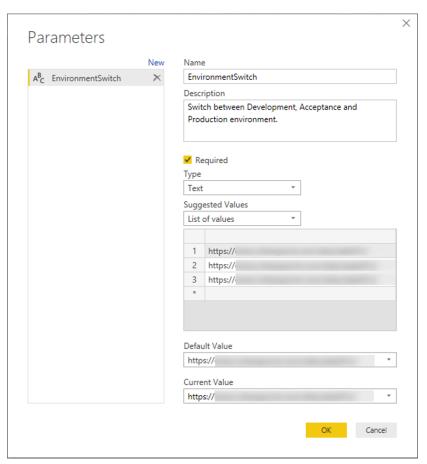




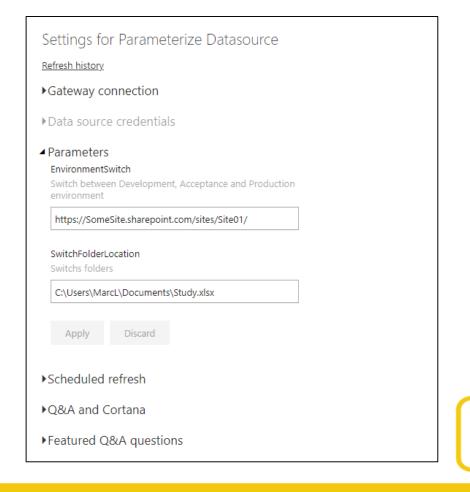


#### Parameter settings

#### **Desktop**



#### **Service**



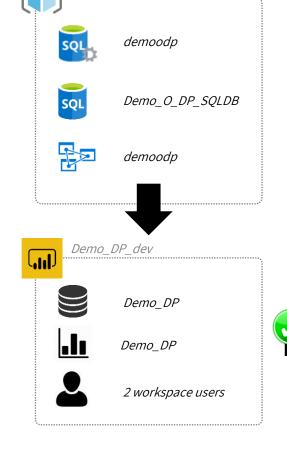




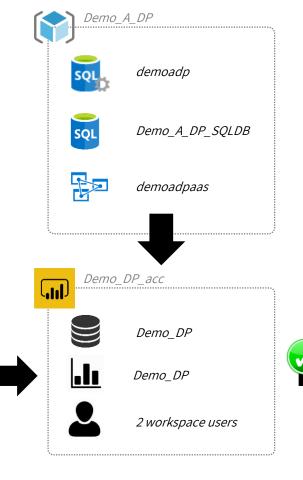
#### **Demo Context**

#### **Development**

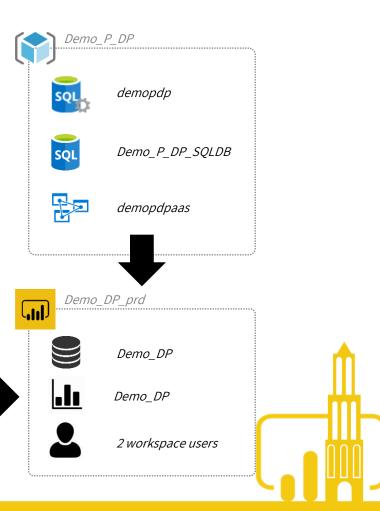
Demo\_O\_DP



#### **Acceptance**



#### **Production**



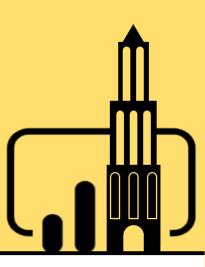






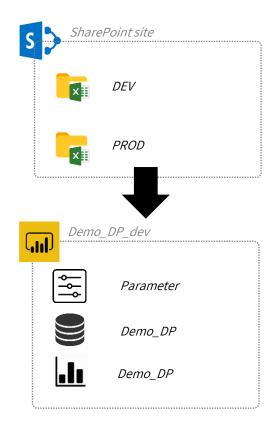
## DEMO

Change data source connection string





### Switching folders!





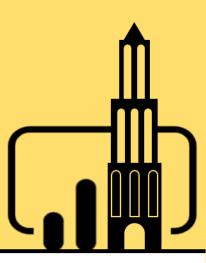






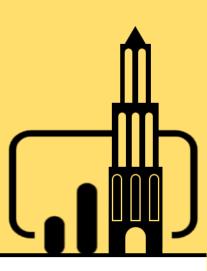
## DEMO

Change folder



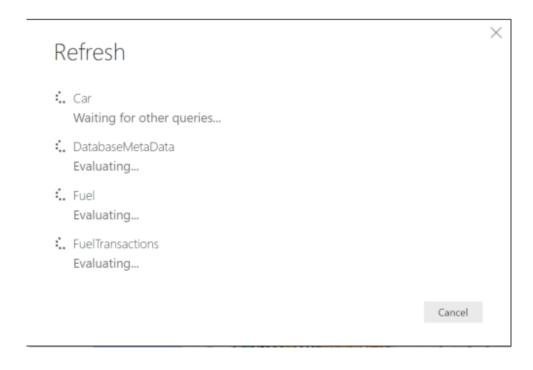


## Optimize report building





### Big loads of data!

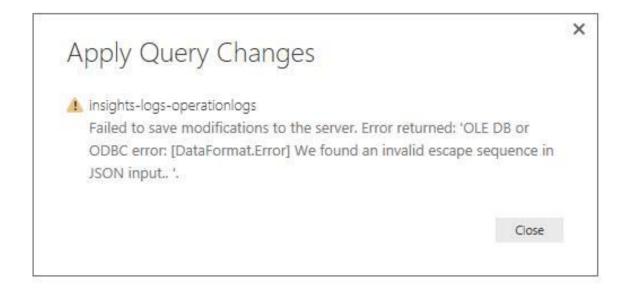








### Big loads of data!









### Query folding



Generate SQL queries



Push queries back to the source



Improve performance in Power Query





### Query folding

Supported Sources

- Relational data sources (SQL Server, Oracle...)
- OData sources (SharePoint lists...)
- Active Directory
- Exchange







### Query folding

**Supported Operations** 

- Filtering (both rows and columns)
- Joins
- Aggregation (Group By)
- Pivot and Unpivot
- Numeric Calculations
- Simple transformations (Uppercase / Lowercase)



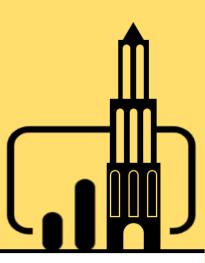






## DEMO

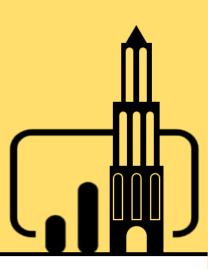
Apply top N rows







## Building a date dimension





### Why build a date dimension

- Filter all attributes in all tables at one time
- Consistency
- Additional information (day of week, public holiday)
- Time Intelligence Calculations (YTD, PYTD, MTD)

#### Flexibility is key!







#### Default build-in date dimension



Blow up your data model!



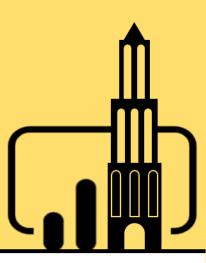






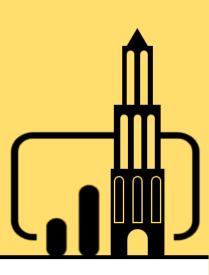
## DEMO

**Building a Date Dimension** 





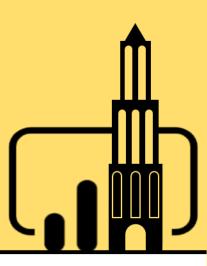
# Parameters in the Power BI Service





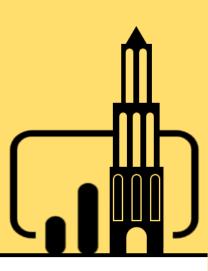
## DEMO

Change parameters in the Power BI Service





## Creating templates



### Why should I create templates?



Add your corporate identity team file



Makes support easier



Kick-start new projects

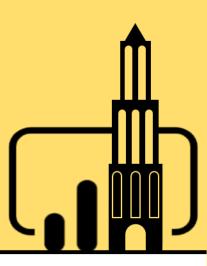






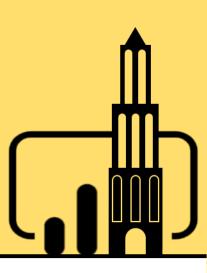
## DEMO

Generate your Power BI Template file



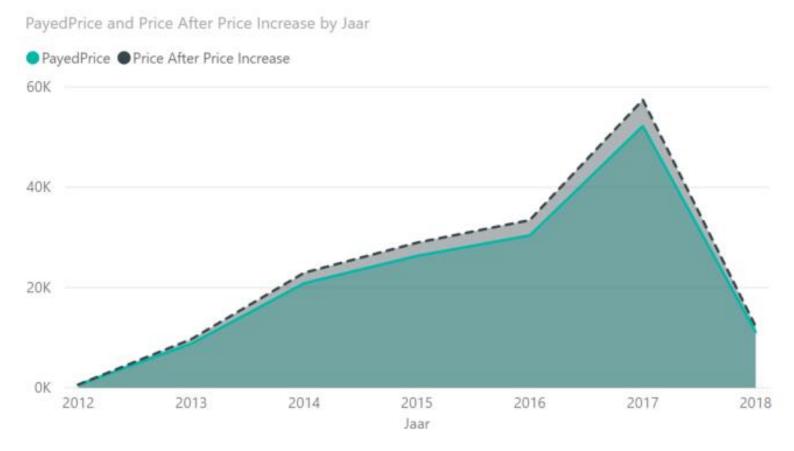


### What If parameters





#### What If...?







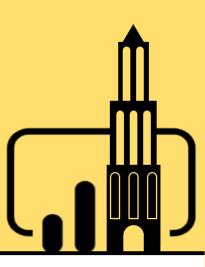






## DEMO

What If the price increased 10%?





#### Parameters...

...makes it easier to move through your DTAP pipeline.

...improves the development performance and experience.

...are still changeable after publishing.

...easy to use for creating templates.

...add extra flexibility for explorative reporting.







#### **Download for free!**

Https://bit.ly/cheatsheetpbi



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