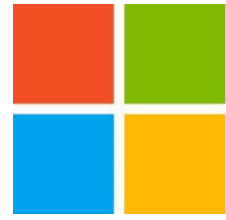


Just Blindbæk

From Self-service to Enterprise Power BI



Our Partners



Microsoft

Platinum

Quest[®]

Gold



dbWatch
DATABASE CONTROL



redgate

Silver



SOLISYON



Enterprise Training Center

Bronze



PASS

pmOne



UBIDO
AN ACP GROUP COMPANY

GVC Holdings

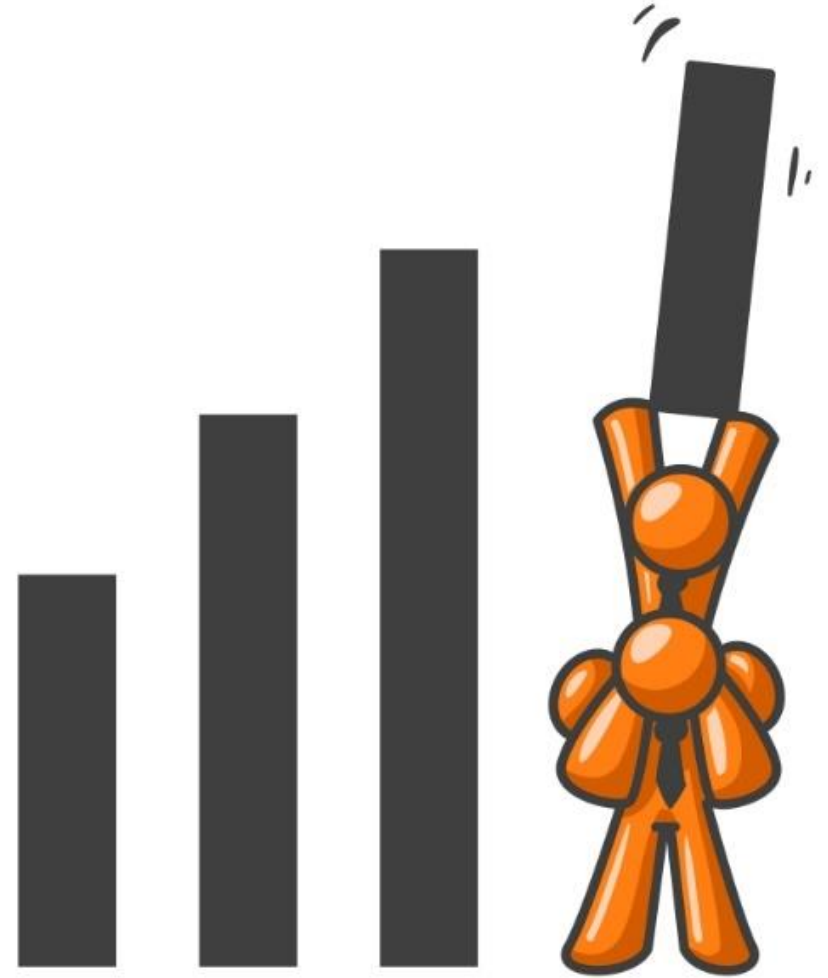


Before we start

Business Users?

IT Professionals?

All in one?



Agenda

Introduction

- Delivery of Power BI
- Business vs. IT

The 5 steps

1. Fix the dataset
2. Transfer the ownership
3. Author the dataset
4. Certify the dataset
5. Brand the reports and apps

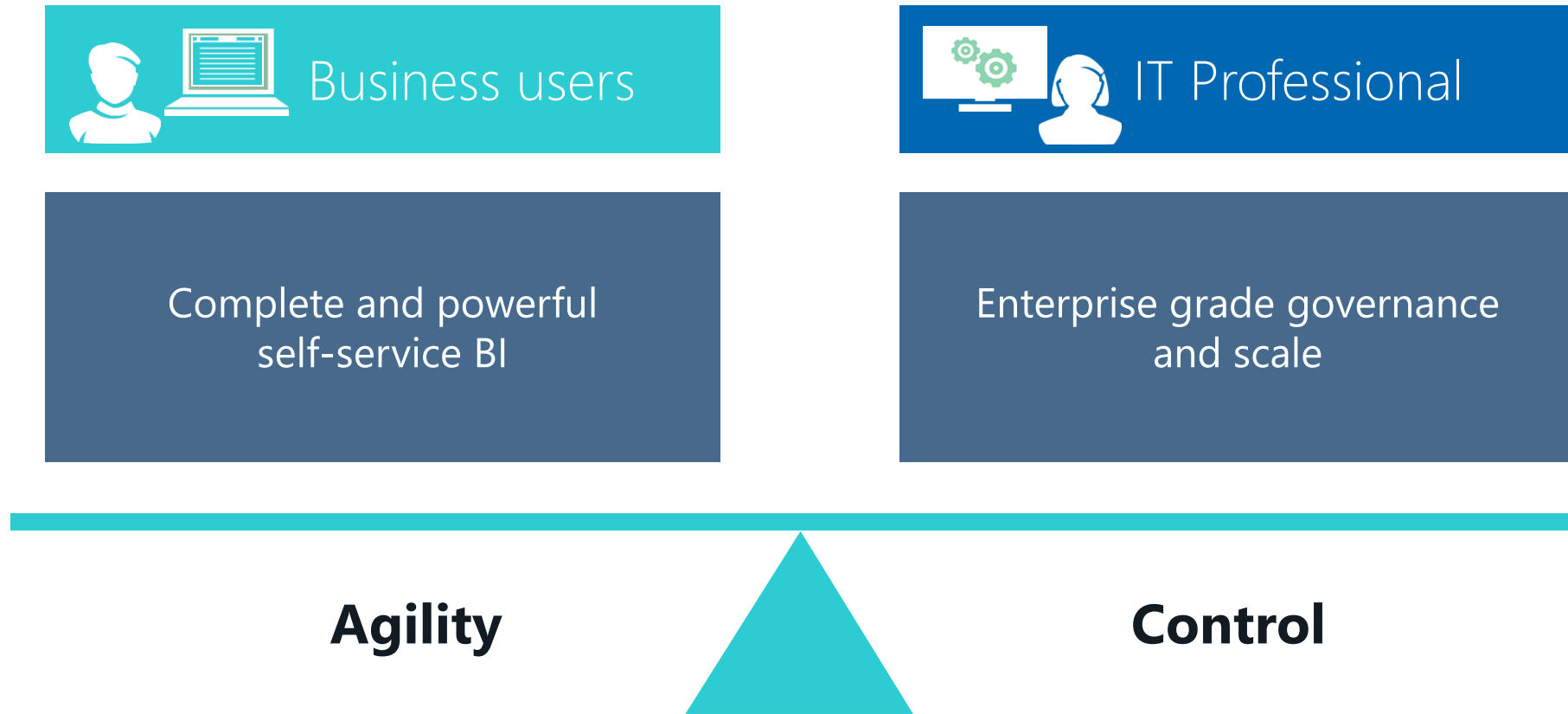




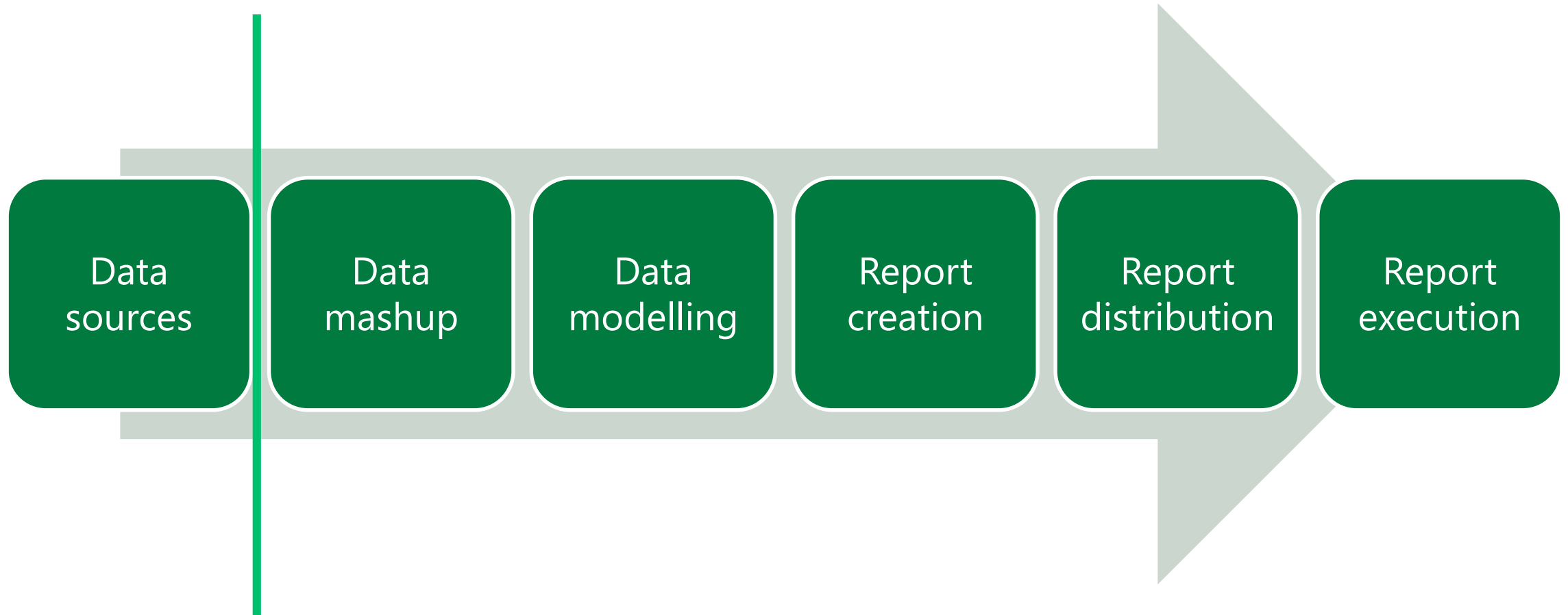
Delivery of Power BI

Self-service vs. Enterprise BI

Delivering Power BI is not easy



Power BI development: IT vs Business



Power BI Delivery Approaches

Business-Led Self-Service BI



Bottom-Up Approach

Analysis using any type of data source; emphasis on data exploration and freedom to innovate

Ownership:

Business supports all elements of the solution

Business users:

Data mashup, data modeling, report creation, distribution & execution

Governed by:

Business

IT-Managed Self-Service BI



Blended Approach

A "managed" approach wherein reporting utilizes only predefined/governed data sources

Ownership:

IT: data + semantic layer
Business: reports

Business users:

Creation of reports and dashboards

Governed by:

IT: data + semantic layer
Business: reports

Enterprise BI



Top-Down Approach

Utilization of reports and dashboards published by IT for business users to consume

Ownership:

IT supports all elements of the solution

Business users:

Execution of published reports

Governed by:

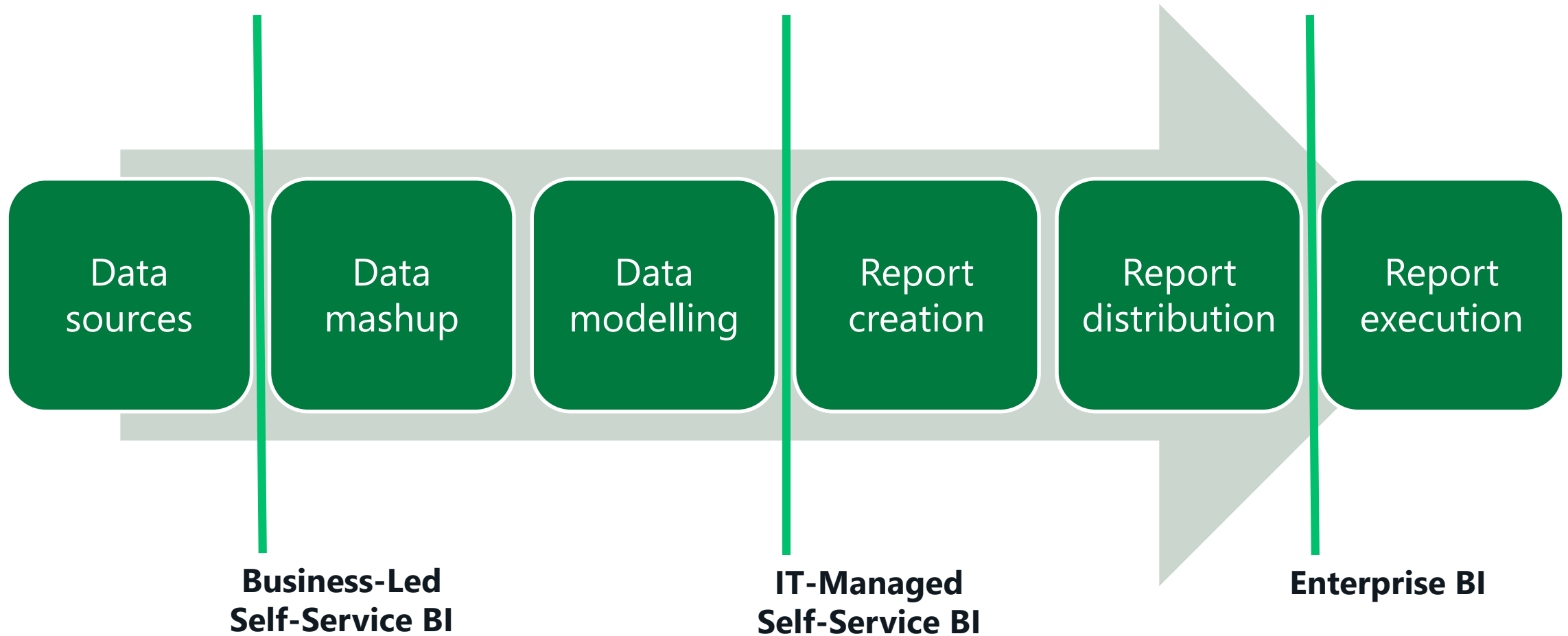
IT

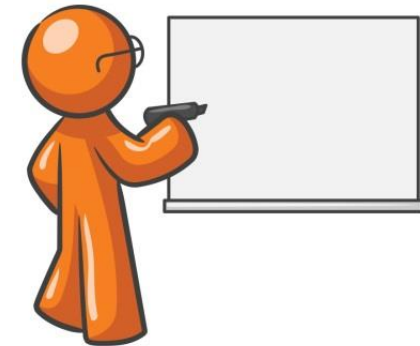
Ownership Transfer

Over time, certain self-service solutions deemed as critical to the business may transfer ownership and maintenance to IT. It's also possible for business users to adopt a prototype created by IT.



Power BI Ownership Approaches





(1) Fix the dataset

Star schema all the things

Star schema all the things

Denormalize

One table for each business entity

Attributes of an entity in the same table

Customer, product, resellers, sales

Separation between facts and dimensions

Fact: something that happened

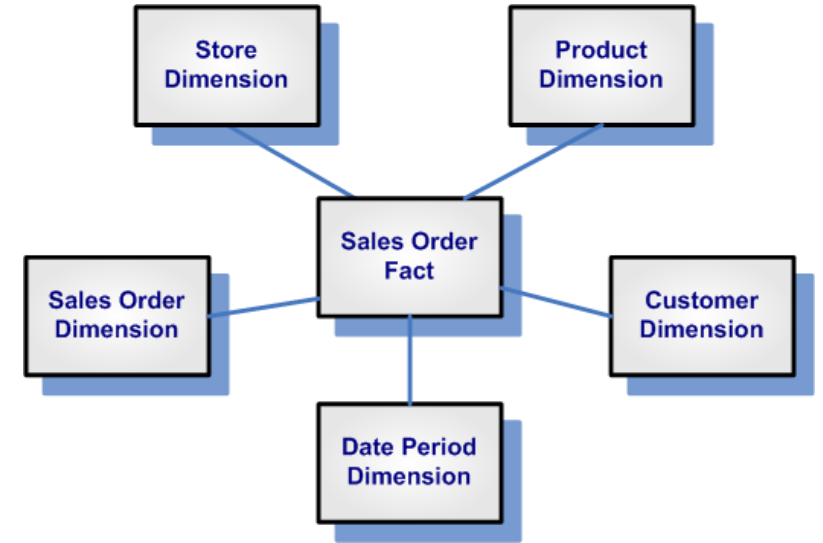
Dimension: something that describes a fact

Pros

Very easy to understand at first glance

Very fast

DAX code is simple, as it should be

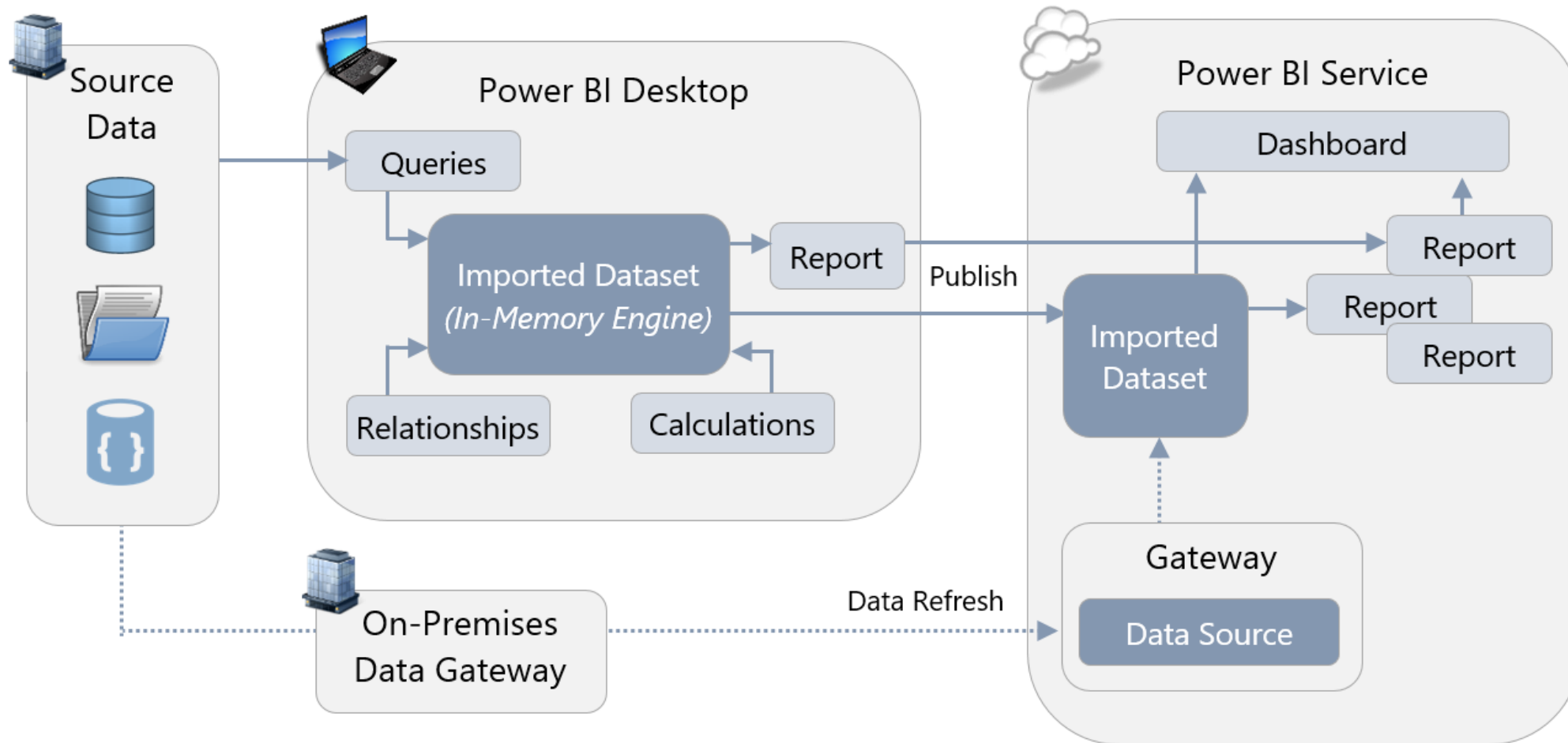


A large, stylized teal graphic on the left side of the slide, consisting of several overlapping curved lines that form a shape reminiscent of a stylized 'P' or a series of nested parentheses.

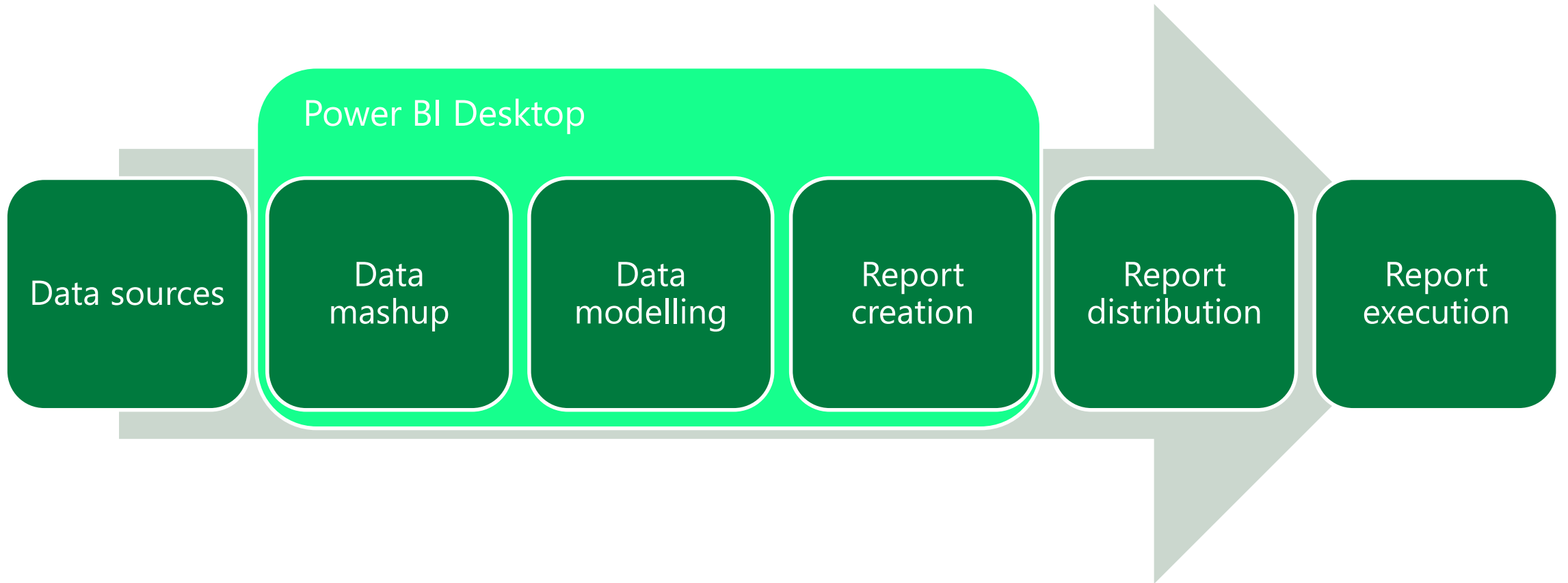
(2) Transfer the ownership

Split the PBIX file

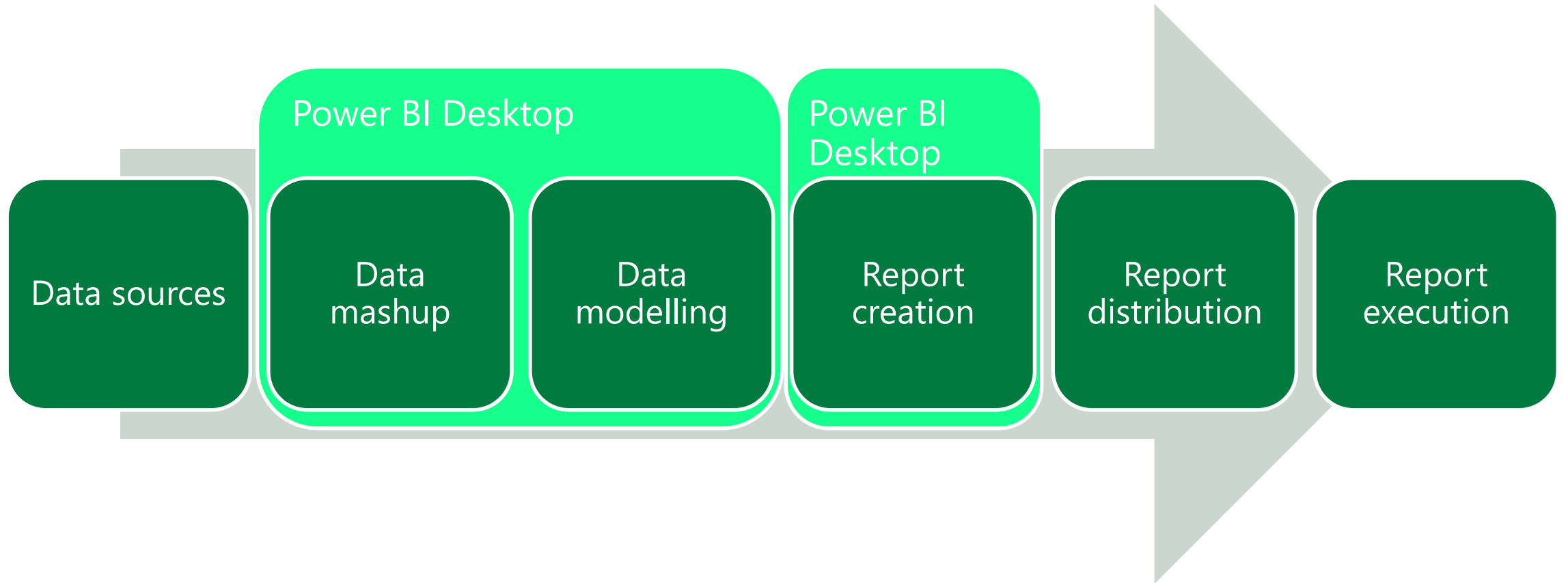
Business-Led Self-Service BI



Business-Led Self-Service BI



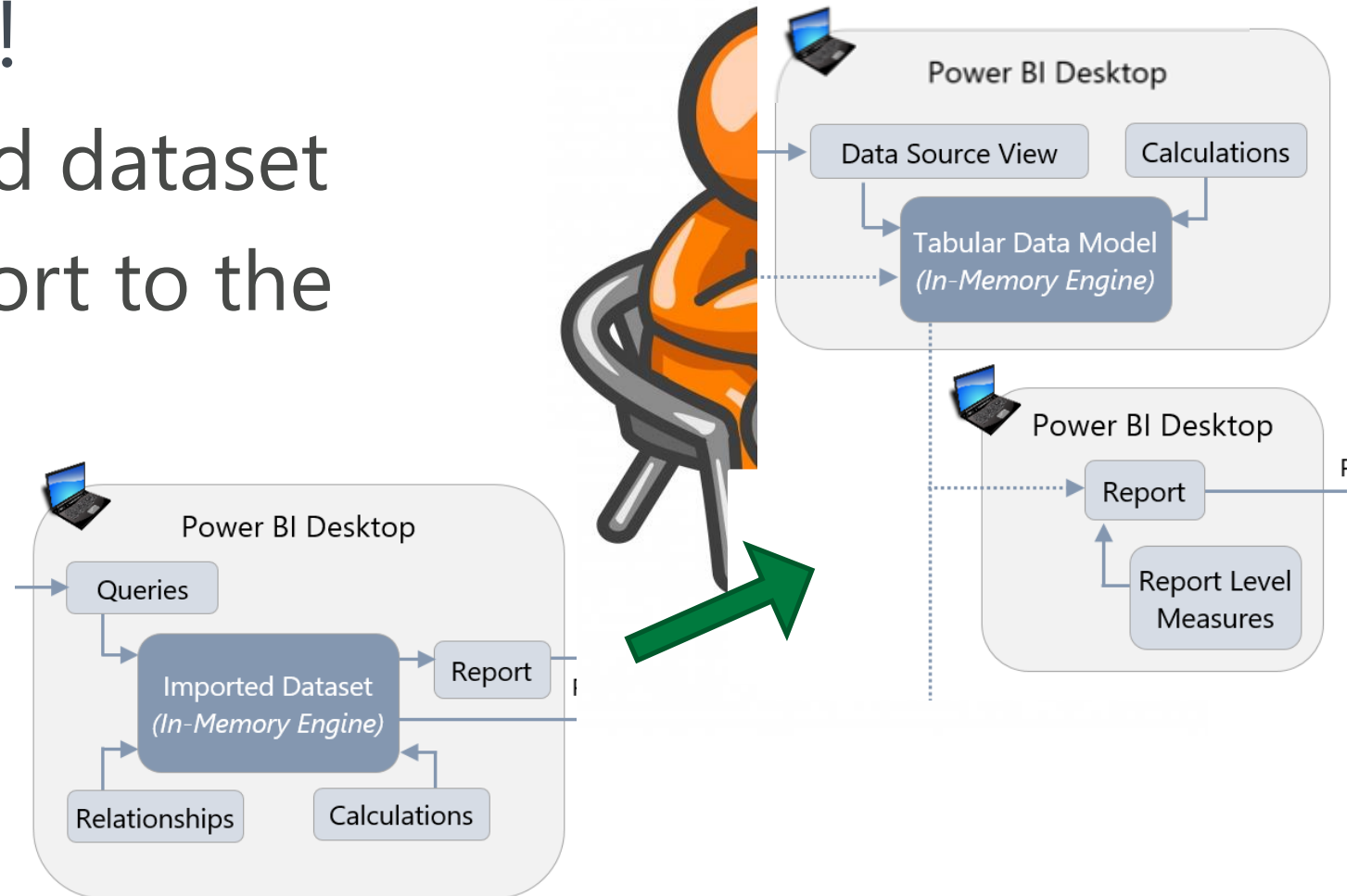
IT-Managed Self-Service BI



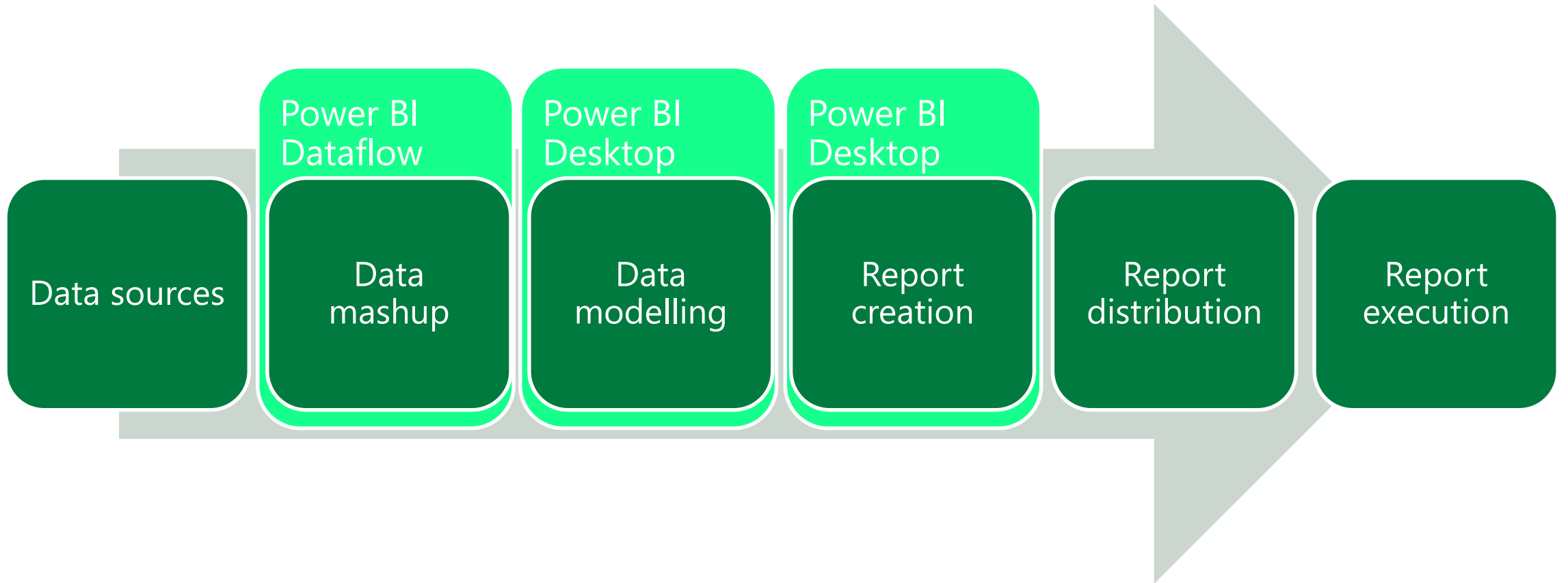
Demo: Ownership transfer

Let se some Magic !

Split the report and dataset
Connect more report to the
same dataset



Taking it one step further

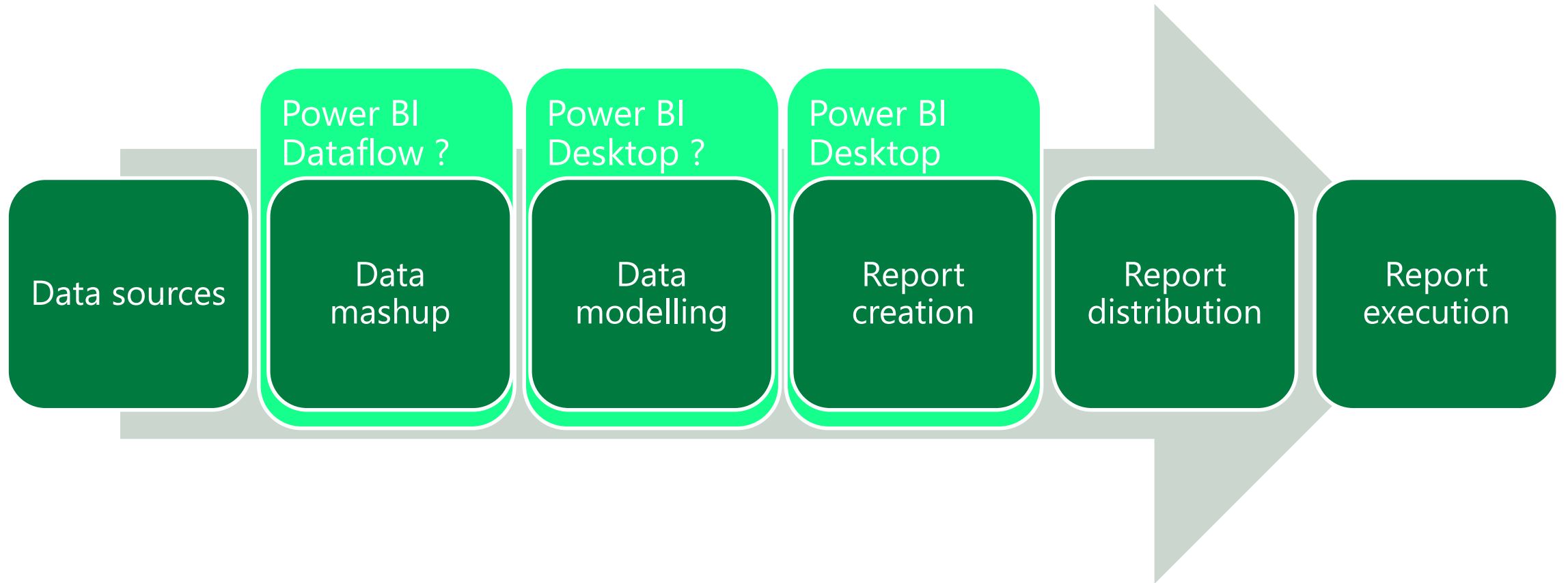


A large, stylized teal graphic on the left side of the slide, resembling a thick, curved arrow or a stylized letter 'D' pointing towards the right.

(3) Authoring the dataset

Modify and build your datamodel
as a PRO developer 😊

Pro development in Power BI Desktop?



Pro development in Power BI Desktop?

Power BI Desktop might not be the best tool for the Data Engineer or BI Developer

Increase productivity

Development lifecycle

- Version control

- Deployment processes



XMLA endpoints – open-platform connectivity

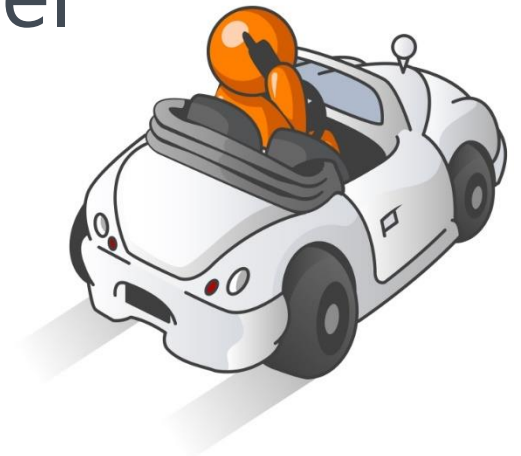
XMLA is the same protocol used for managing SQL Server Analysis Services and Azure Analysis Services models, a variety of Microsoft and third-party tools can be used with Power BI datasets

Analysis Services engine in the Power BI service

Taking **transfer ownership** to the NEXT level

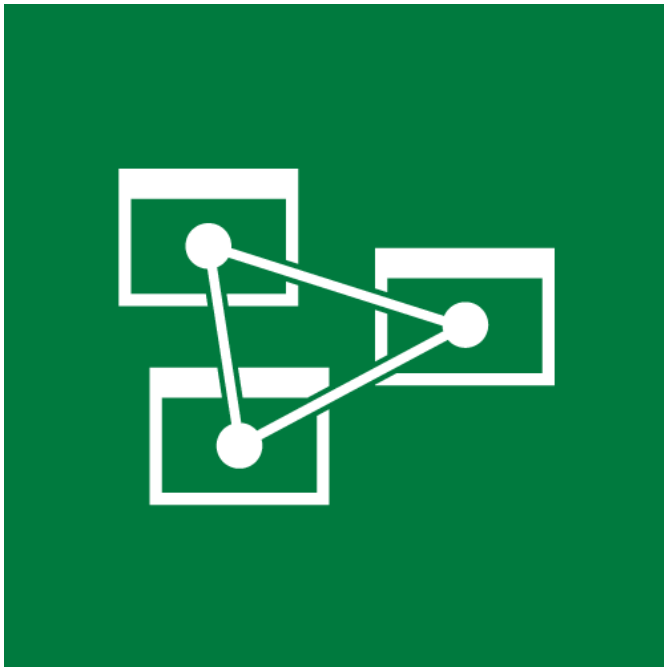
Preview feature!

Requires Premium capacity!



Power BI merging with Azure AS

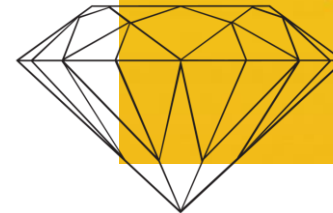
Enterprise BI



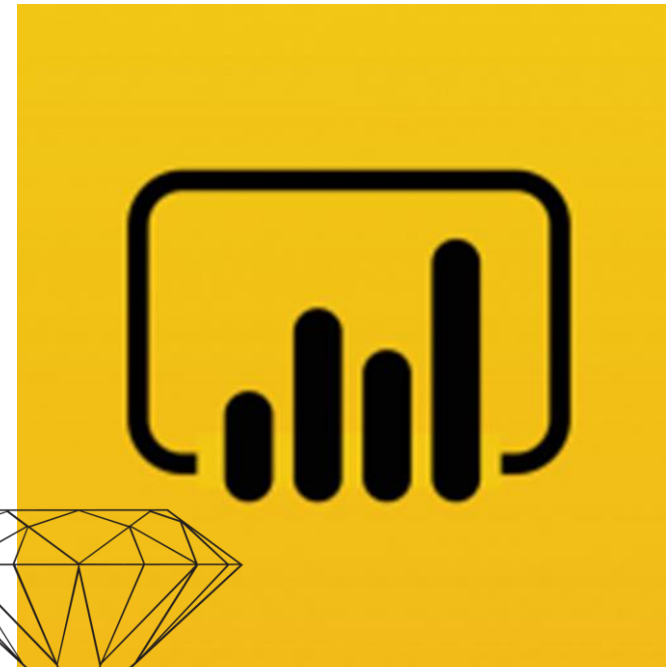
Azure Analysis Services

All BI users

Power BI
Premium



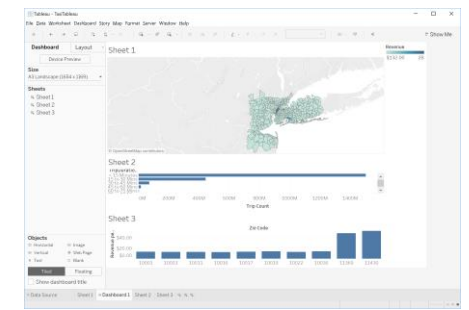
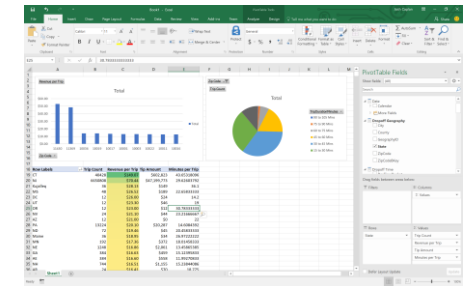
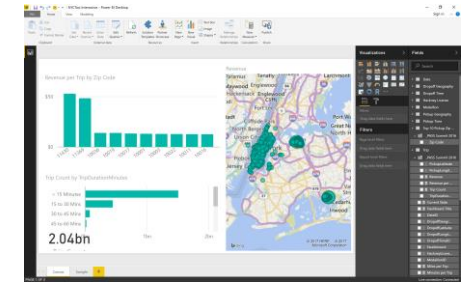
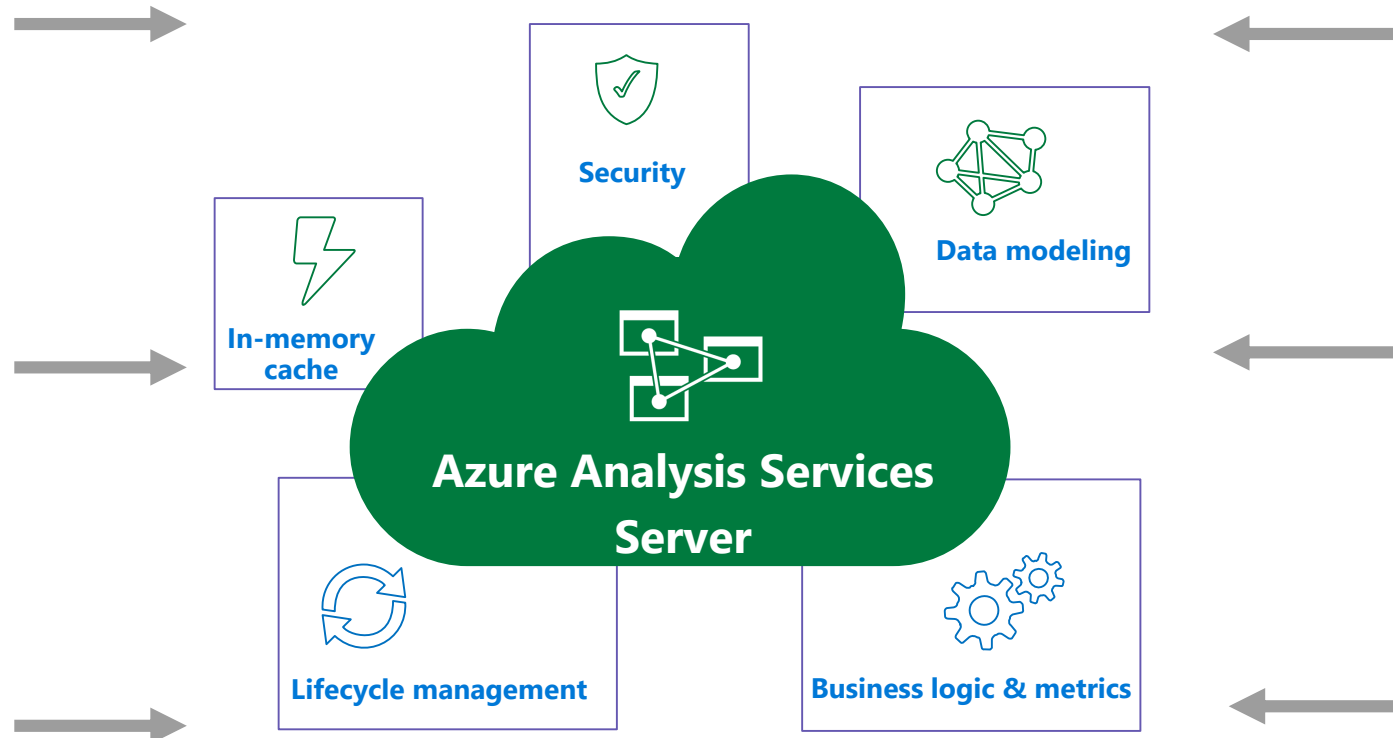
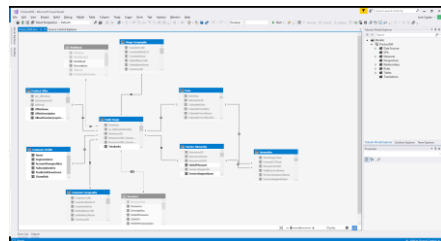
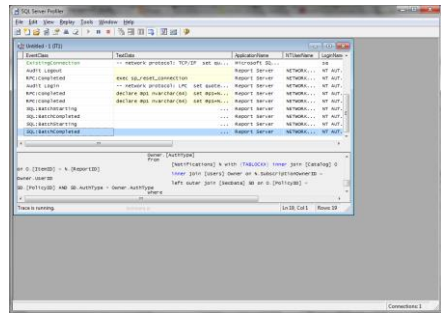
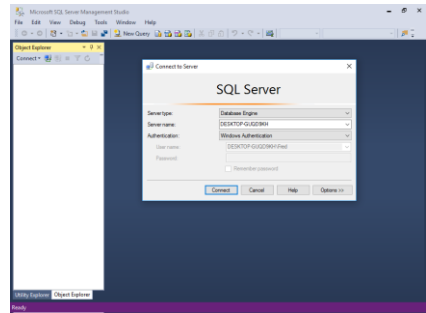
Self-service BI users



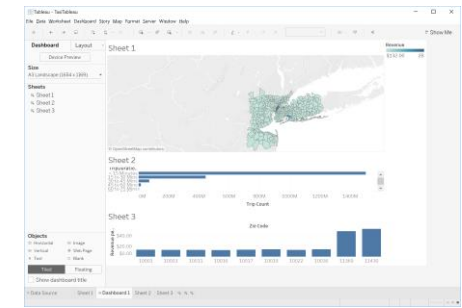
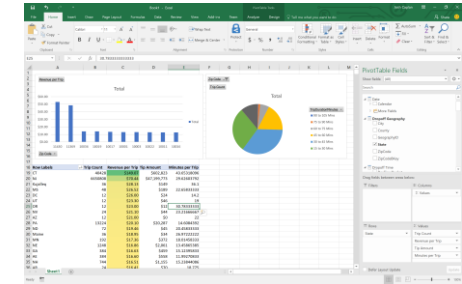
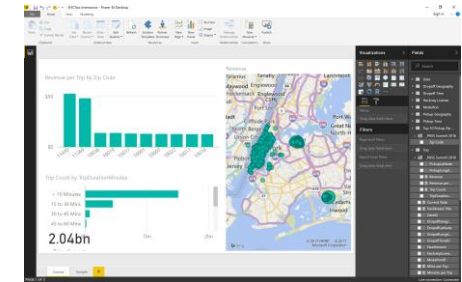
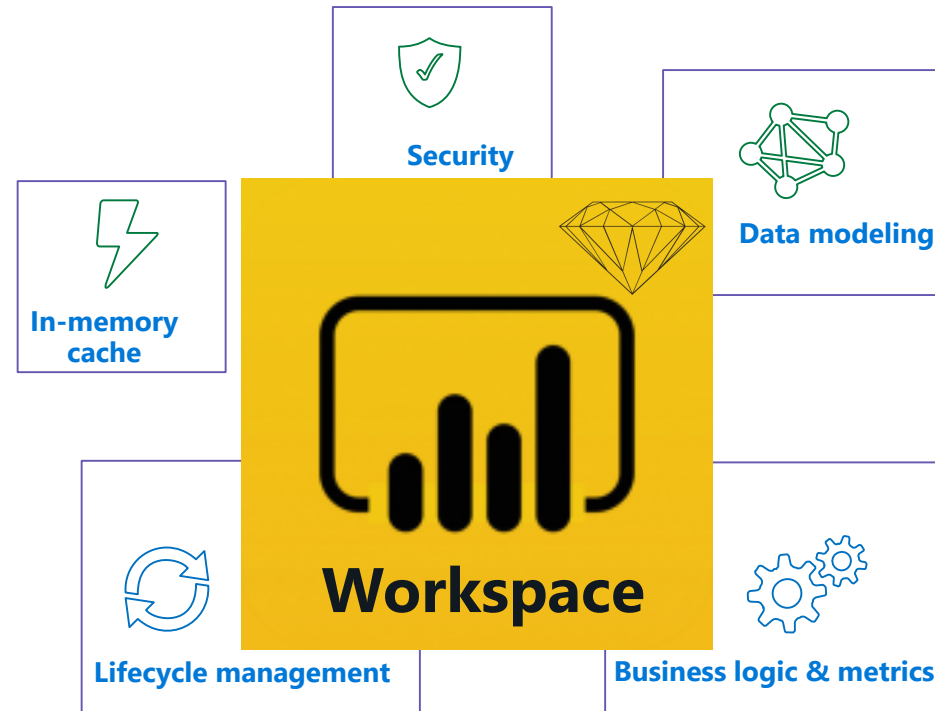
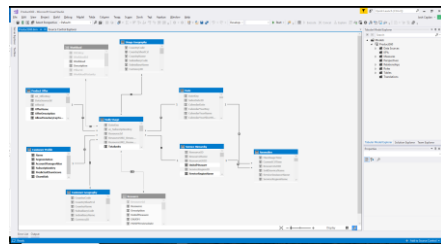
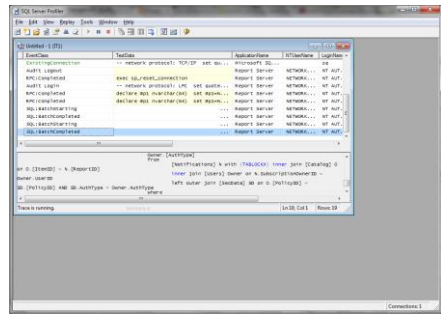
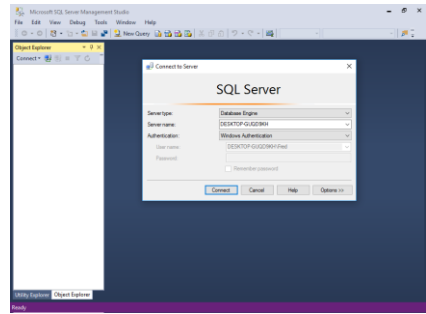
Power BI



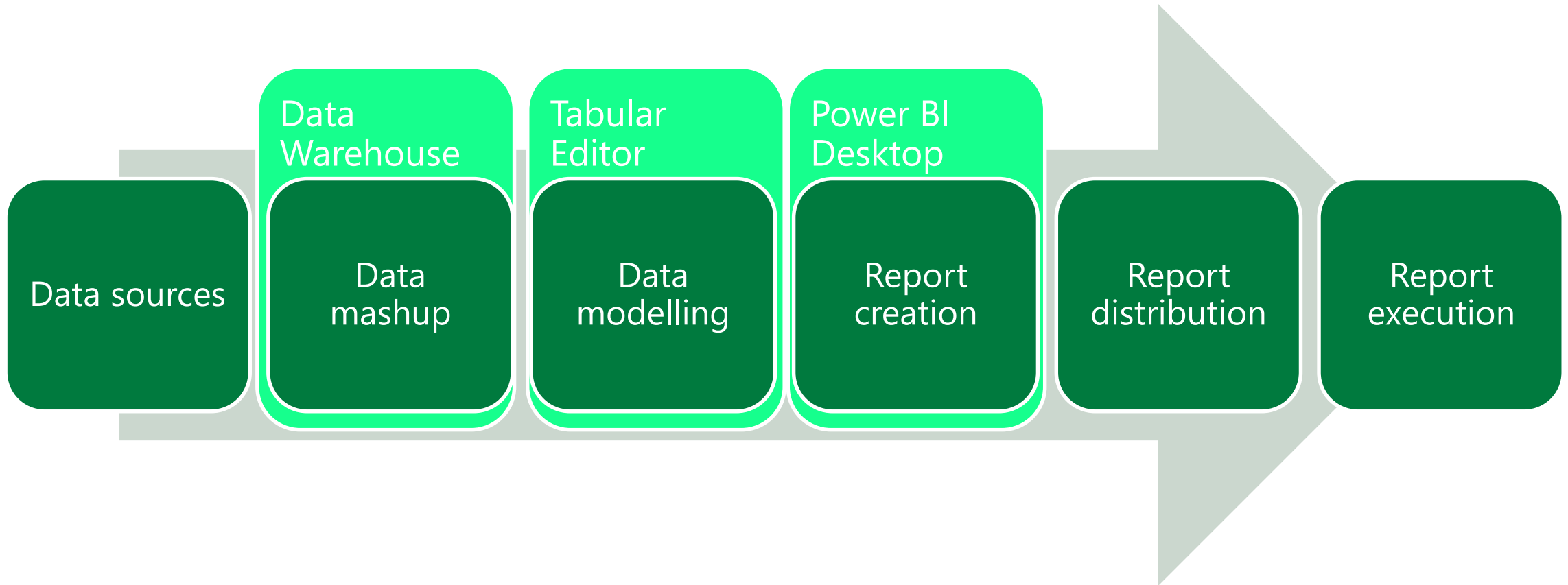
Connectivity: Analysis Services



Connectivity: Power BI Premium



Pro development: DWH and Tabular Editor



A large, teal-colored abstract graphic on the left side of the slide. It consists of several thick, curved lines that sweep from the top left towards the bottom right, creating a sense of motion and flow.

(4) Certify the dataset

The single version of the truth

The "Golden" dataset

Shared and certified datasets

Reuse and preserves a single version of the truth

Find reliable and high-quality data quickly and easily in both the service and Power BI Desktop

Single dataset to be used by multiple reports, across workspaces

Golden datasets

Select a dataset to create a report

All datasets

Name	ENDORSEMENT ↓	Owner	Workspace/App	Refreshed
Retail Analysis	Certified	Steve Myer	Retail	4 days ago
Customer Profitability	Certified	Susan Mailer	Customer	6/23/17
Ventage Global	Promoted	Lane Barnes	Ventage	3/3/18
IT Spend Analytics	Promoted	Ari Gold	IT	3 hours ago
Team Analytics	Promoted	Ana Smith	Analytics	7/12/18
Opportunity Analysis	Promoted	Lane Barnes	My Workspace	6/12/17
Retail		Lane Barnes	My Workspace	2 days ago
Procurement Analysis		Lane Barnes	My Workspace	7/22/18
Sales		Lane Barnes	My Workspace	1/24/17

OK Cancel



Certification and Endorsement

Admin Portal

▲ Certification

Enabled for a subset of the organization

Allow users in this org to certify datasets.

☒ Enabled

Specify URL for documentation page

Enter URL

Apply to:

- ☐ The entire organization
- ☒ Specific security groups

SEC-PowerBI-TrustedUsers X Enter security groups

Dataset settings

▲ Endorsement

Help your colleagues find, learn about, and connect to your dataset.

☐ Default

This dataset can be searched for and used by others.

☐ Promoted

Promote this dataset with a badge to show it's ready to be used by others.

☒ Certified (Certified by just@justb.dk on Tuesday, November 19, 2019.)

Request certification from experts in your org to get a badge that shows it's recommended for use by others. [Learn more](#)

Description

Official sales numbers that you can trust!

458 characters left





(5) Branding

Certify the Reports
and Apps

Private and App Workspaces

Everyone has their own private workspace they can publish to. Its called: "My Workspace". **Only** use it for:

- Personal usage

- Testing purposes

App **Workspaces** is somewhere report developers can **work together** on the same business problem

When you create an App Workspace you become its administrator and

- Control its access and sharing settings

- Add/remove members, contributors and viewers



Use Apps for controlled distribution

The contents of App Workspaces can be published as Apps

- Possible to exclude items

Other users can then 'install' the App or have it pushed to them

When users install an App they can see the dashboards and reports in there

- They can interact with slicers

- They cannot edit the reports or dashboards

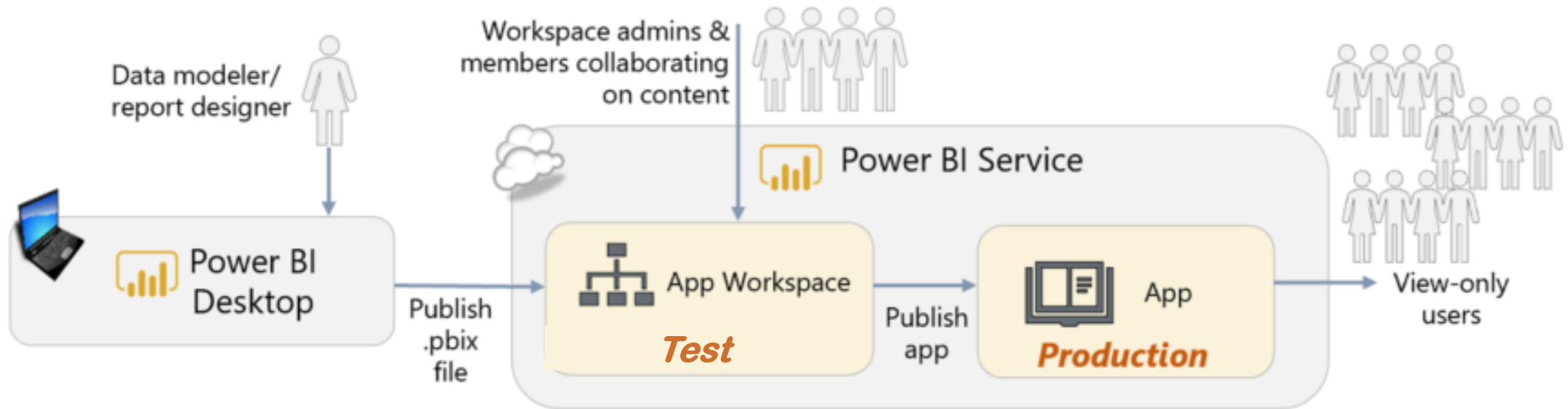
New App navigation experience!

- Customize the name and logo of your app

- Setup navigation



Simple App deployment process



Branding

Certify Reports

- Add background image

Certify Apps

- Add app icon

- Support site

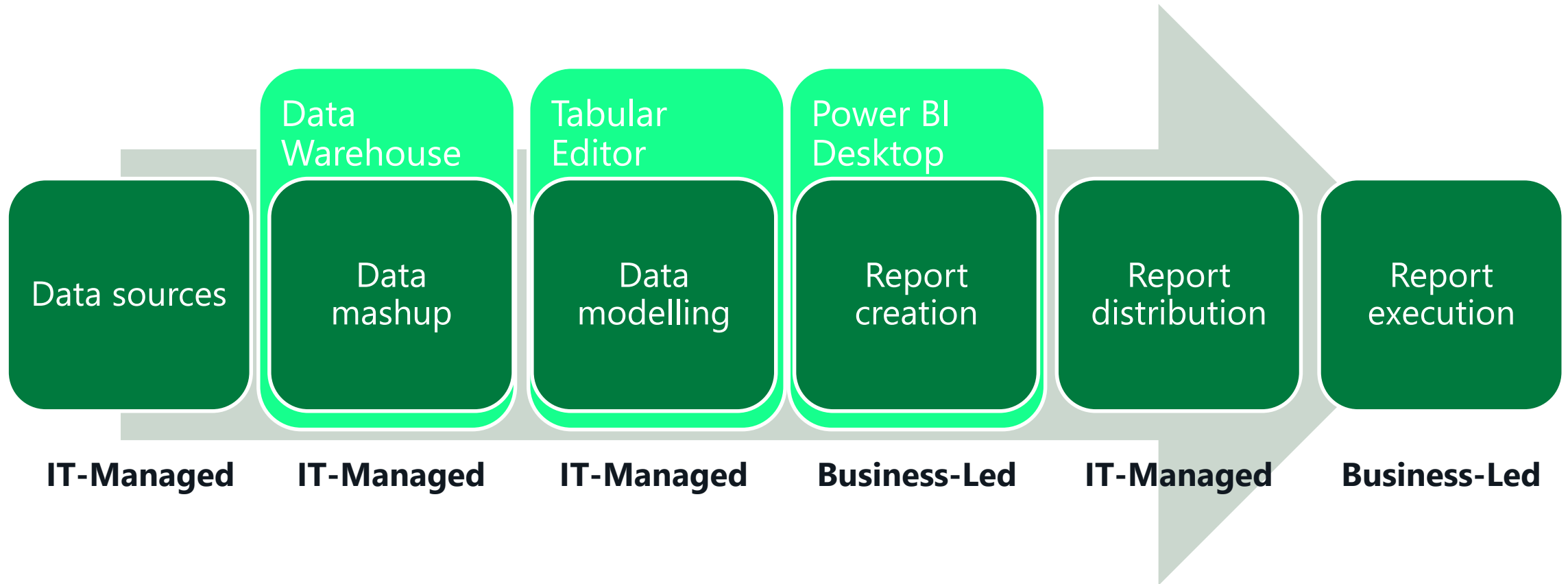
- Link in navigation



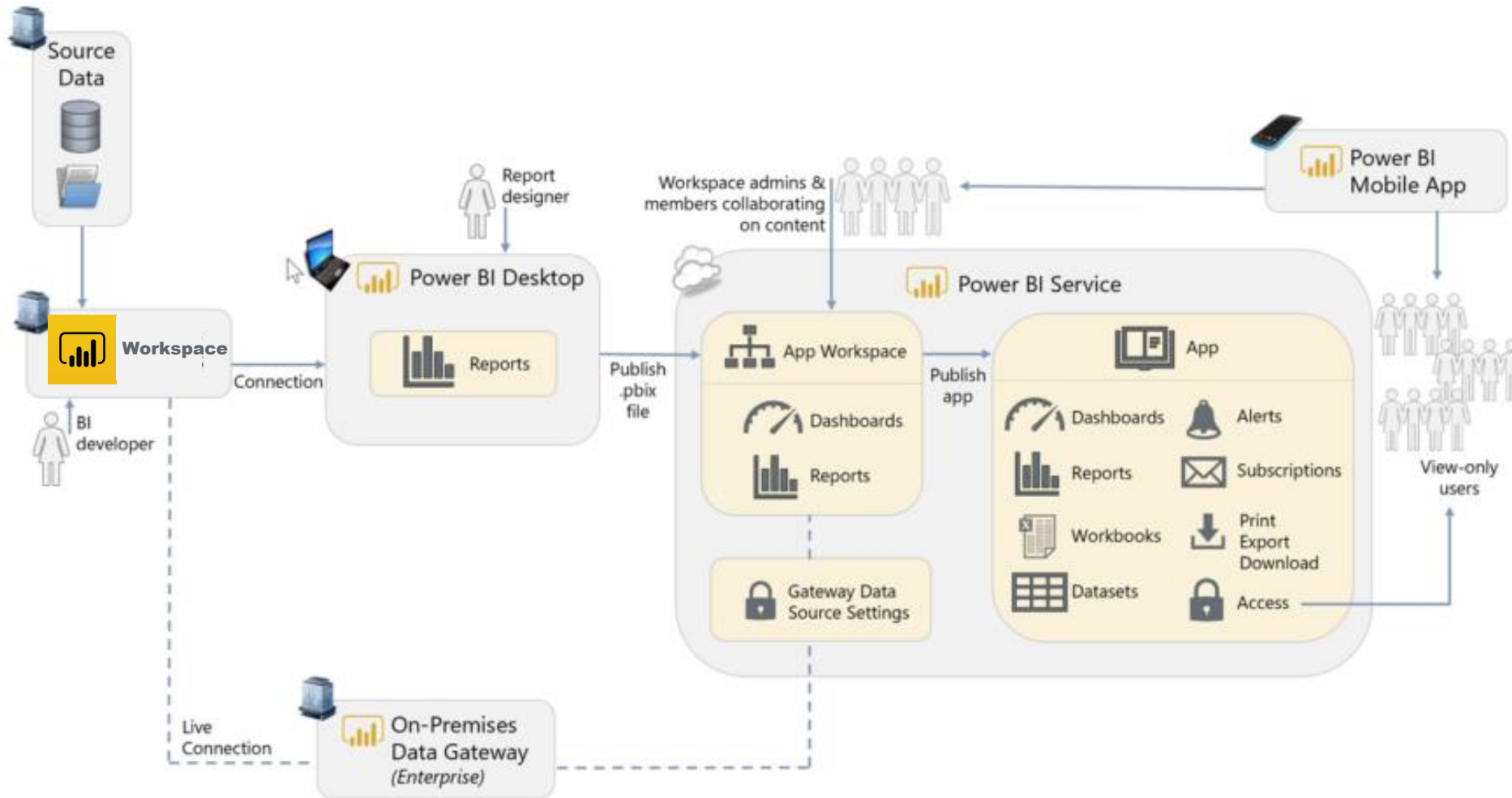


Wrapping it up

IT-Managed distribution



Full architecture: IT-Managed Self-Service BI



Questions



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 the front-end tools

Analysis Services

Reporting Services

PerformancePoint Services

Excel and Power Pivot

Power BI

just@blindbaek.dk / blog.justB.dk / [@justblindbaek](https://twitter.com/justblindbaek)



Microsoft
CERTIFIED
Trainer

Microsoft
CERTIFIED
IT Professional

SSAS
MAESTRO
by Microsoft

MVP **Microsoft**
Most Valuable
Professional



Usefull ressources



Planning a Power BI Enterprise Deployment (whitepaper):

<https://go.microsoft.com/fwlink/?linkid=2057861>

The importance of star schemas: <https://www.sqlbi.com/articles/the-importance-of-star-schemas-in-power-bi/>

Shared and certified datasets: <https://powerbi.microsoft.com/en-us/blog/heads-up-shared-and-certified-datasets-are-coming-to-power-bi/>

XMLA endpoints: <https://powerbi.microsoft.com/en-us/blog/power-bi-open-platform-connectivity-with-xmla-endpoints-public-preview/>

Tabular Editor: <https://tabulareditor.github.io/>

App navigation: <https://powerbi.microsoft.com/en-us/blog/designing-custom-navigation-for-power-bi-apps-is-now-available/>



Our Partners



Platinum



Gold



dbWatch
DATABASE CONTROL



redgate

Silver



SOLISYON



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