

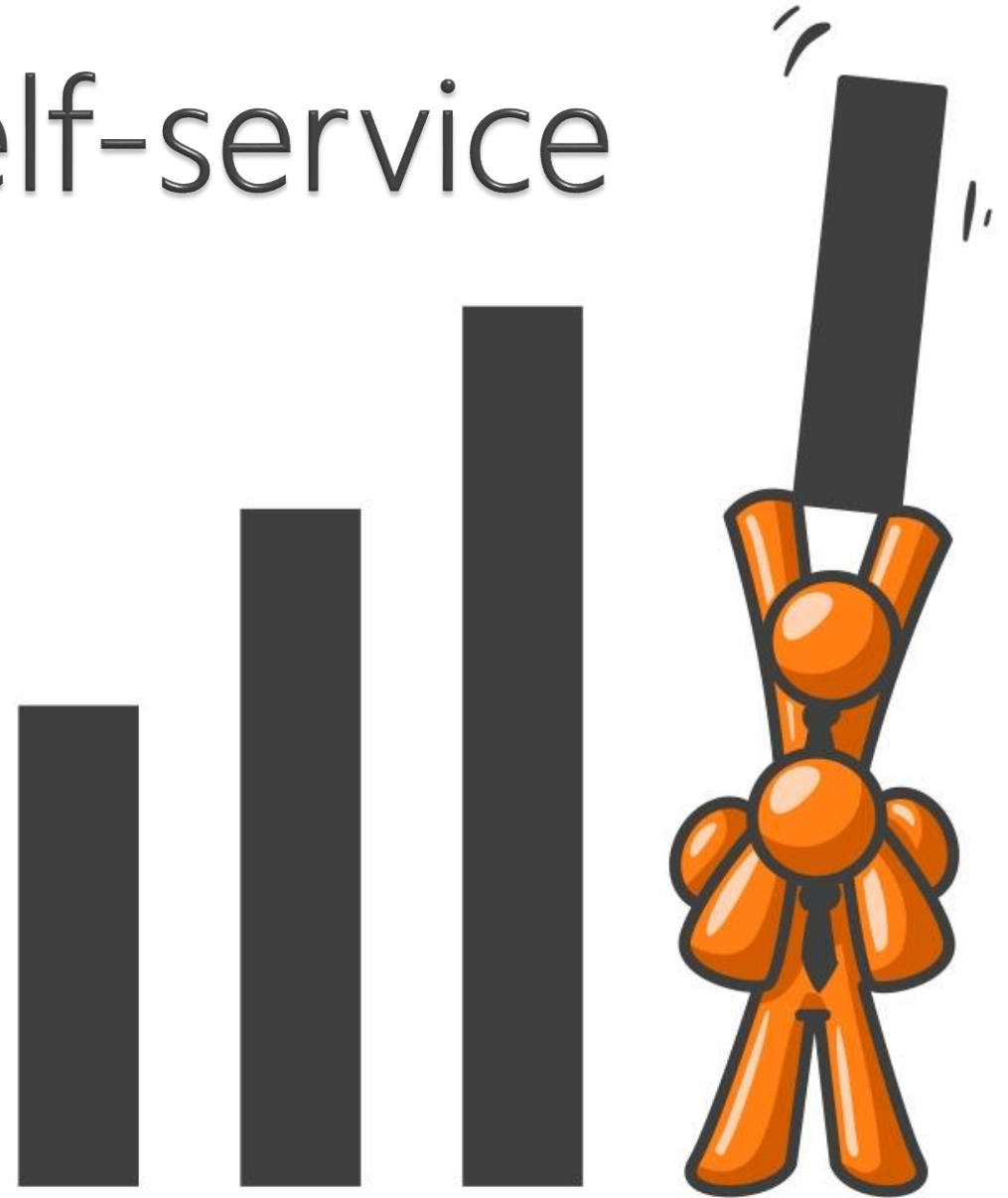
Sponsored by



Enterprise and Self-service in Power BI

- Better together

ORANGEMAN



Just Thorning Blindbæk

- ▶ Self-employed Consultant in justB
- ▶ Trainer at Orange Man
- ▶ Founder
 - Danish Microsoft BI Community (MicrosoftBI.dk)
 - Power BI UG Denmark (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

ORANGEMAN

Before we start

- ▶ Business Users?
- ▶ IT Professionals?
- ▶ All in one?



ORANGEMAN

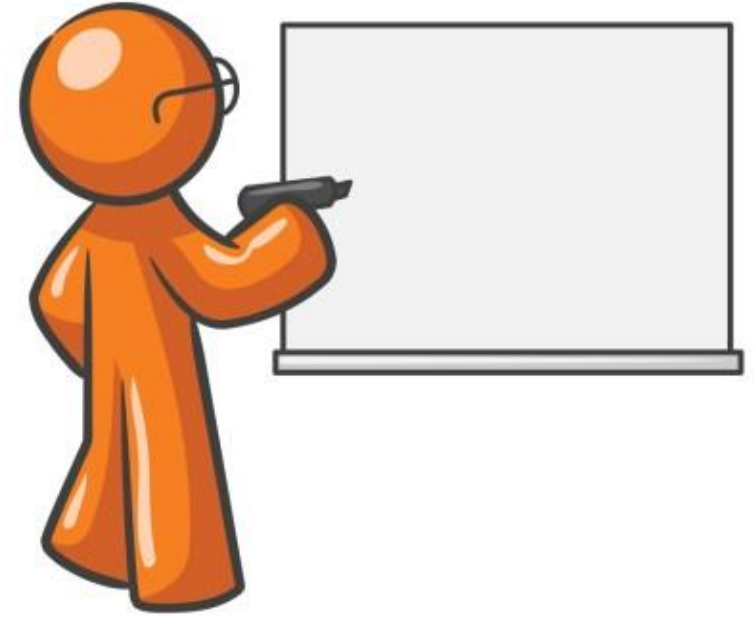
Agenda

- ▶ Delivery of Power BI
- ▶ Ownership transfer
- ▶ Security
- ▶ Governance

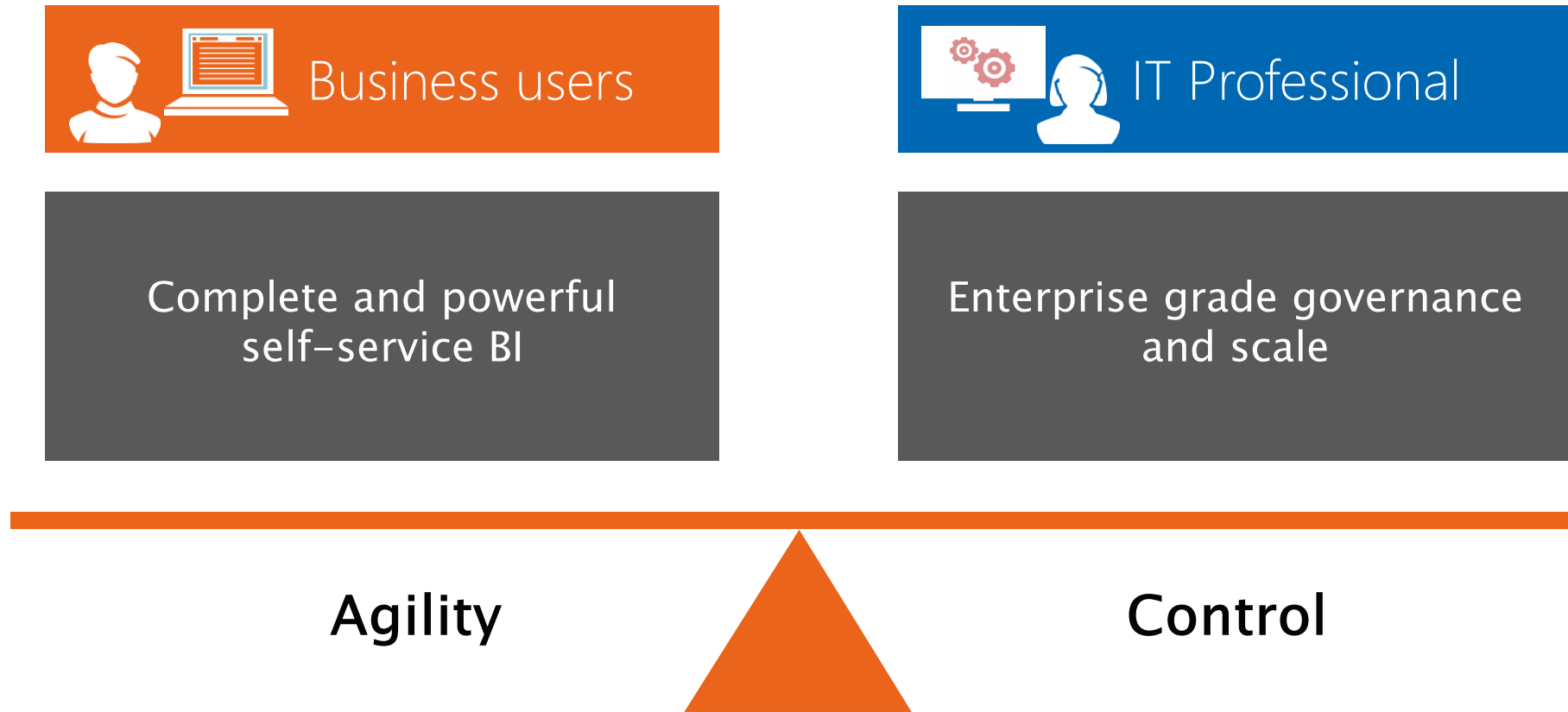


Delivery of Power BI

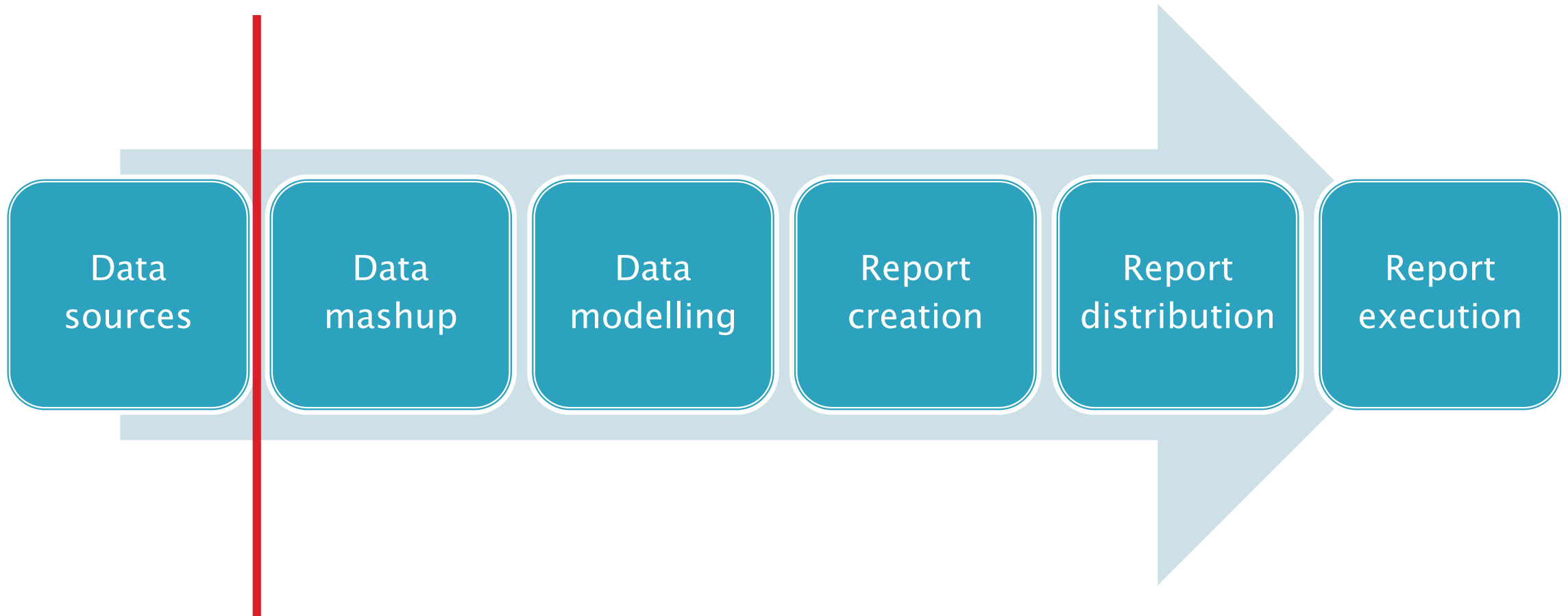
- ▶ Self-service vs. Corporate BI



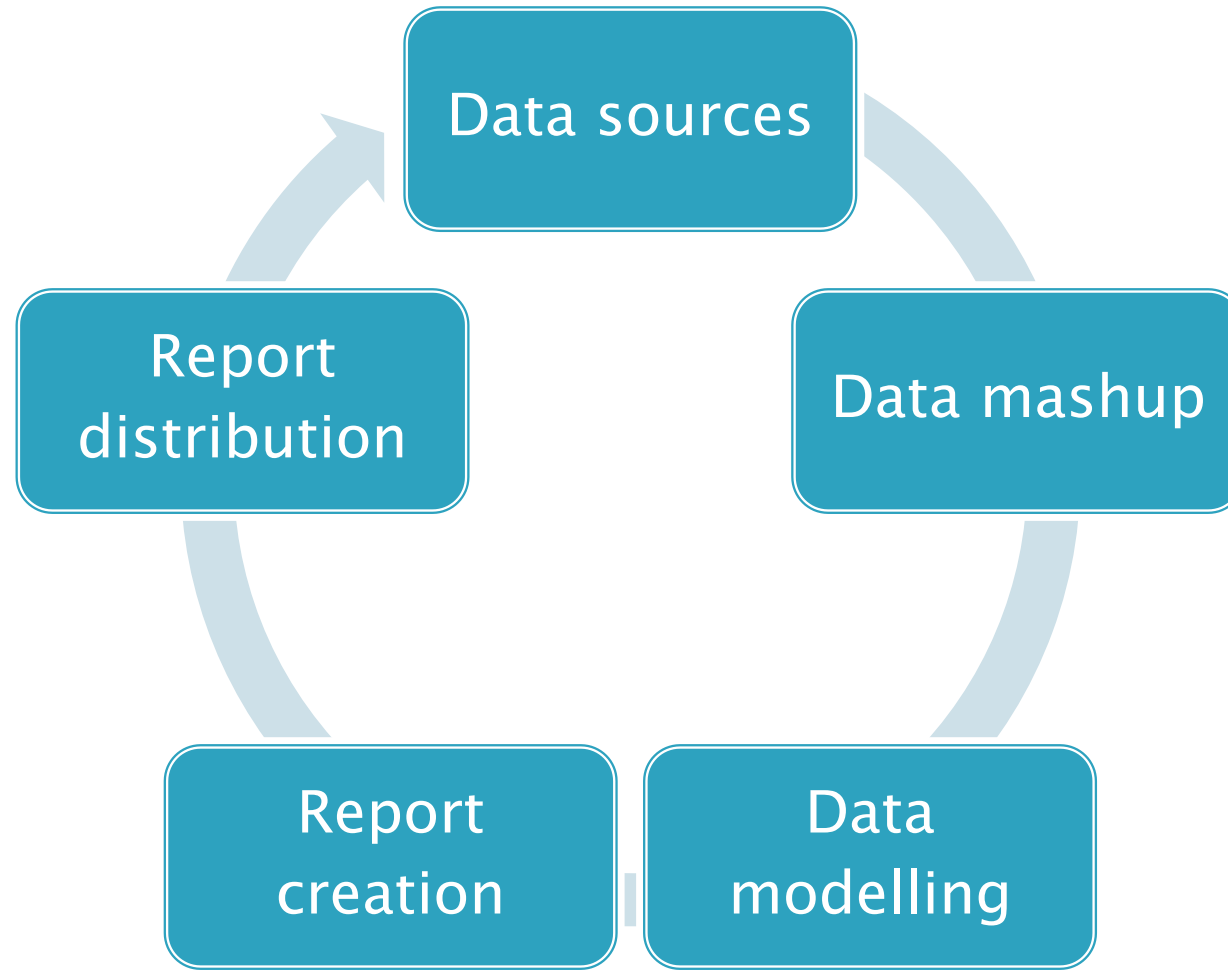
Delivering Power BI is not easy



Power BI development: IT vs Business



Power BI development: Agile development



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

Corporate 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:

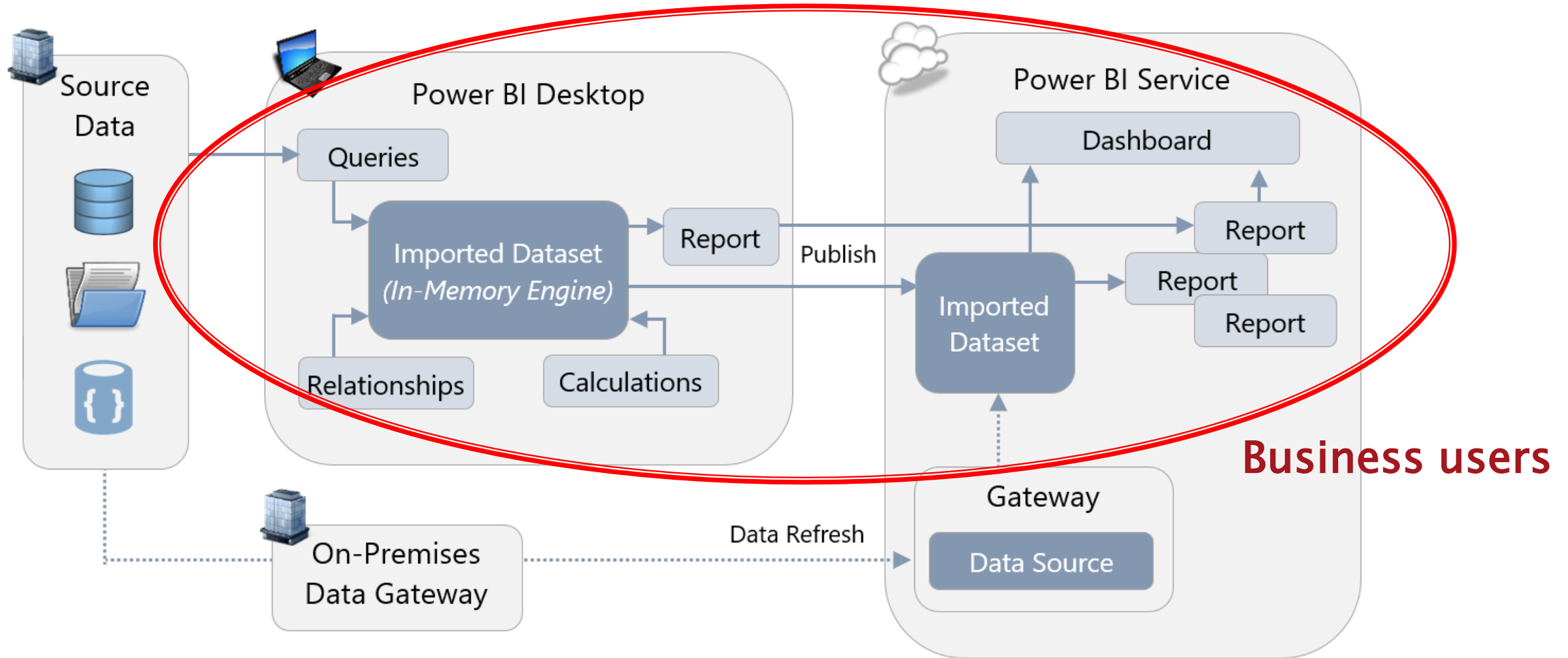
IT



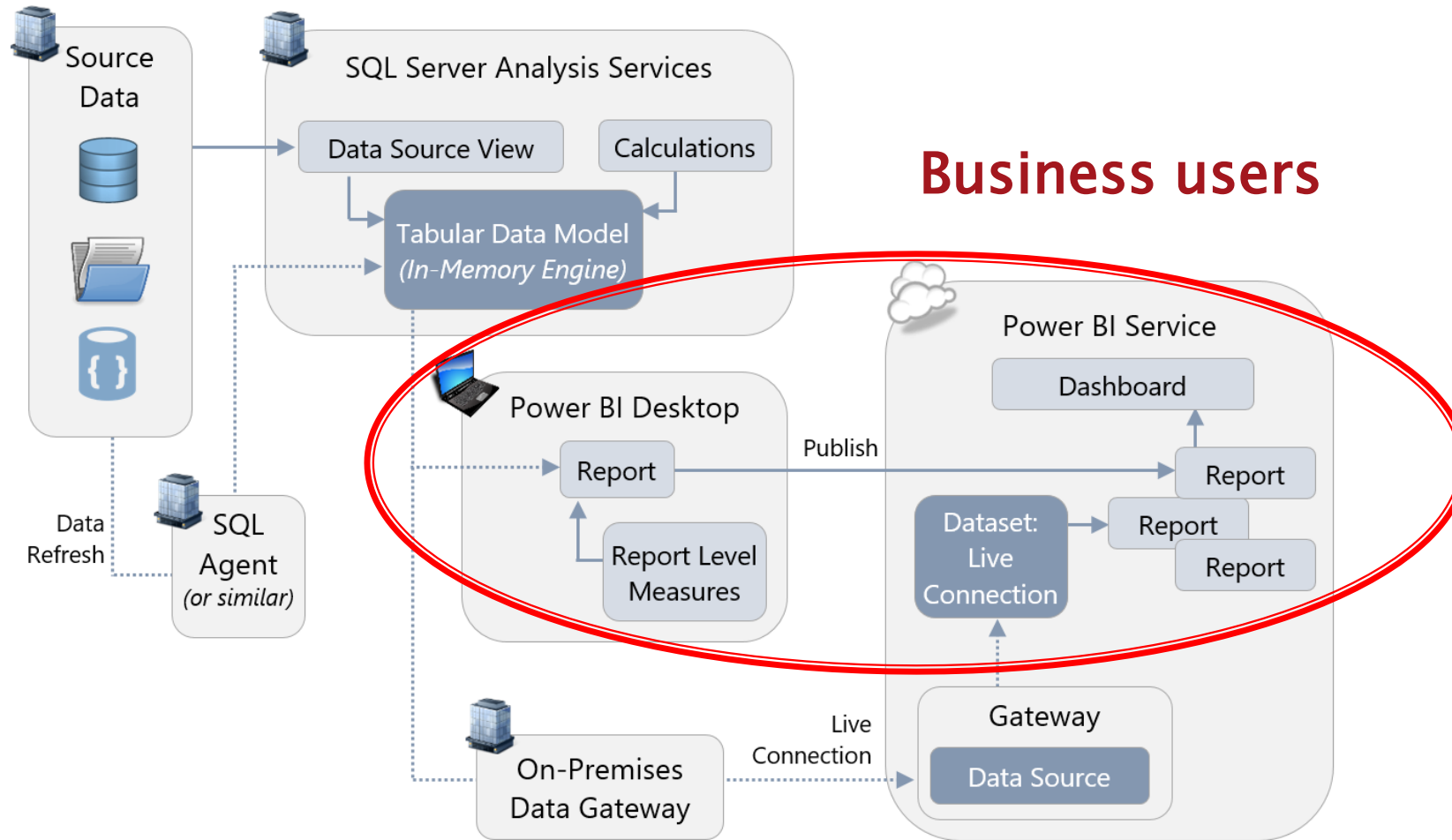
Ownership Transfer

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.

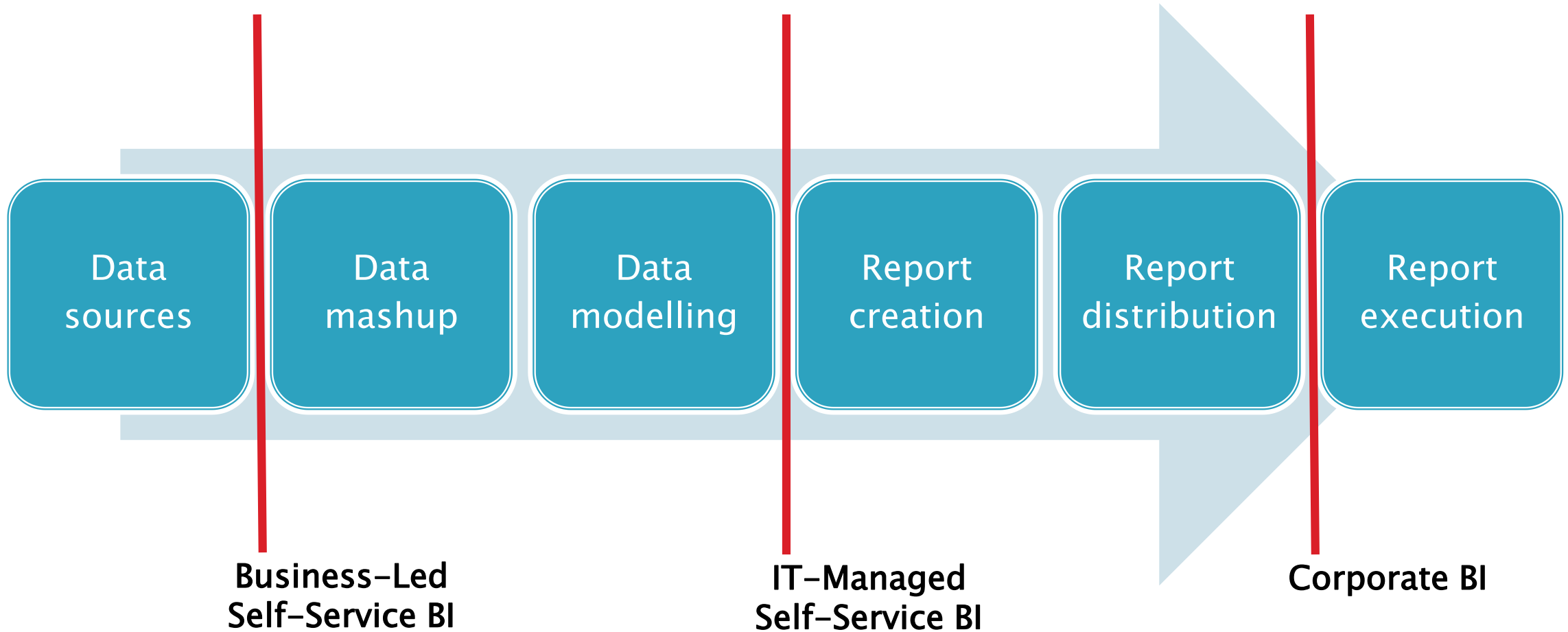
Business-Led Self-Service BI: Importing Data



IT-Managed Self-Service BI: Live Connection to Analysis Services

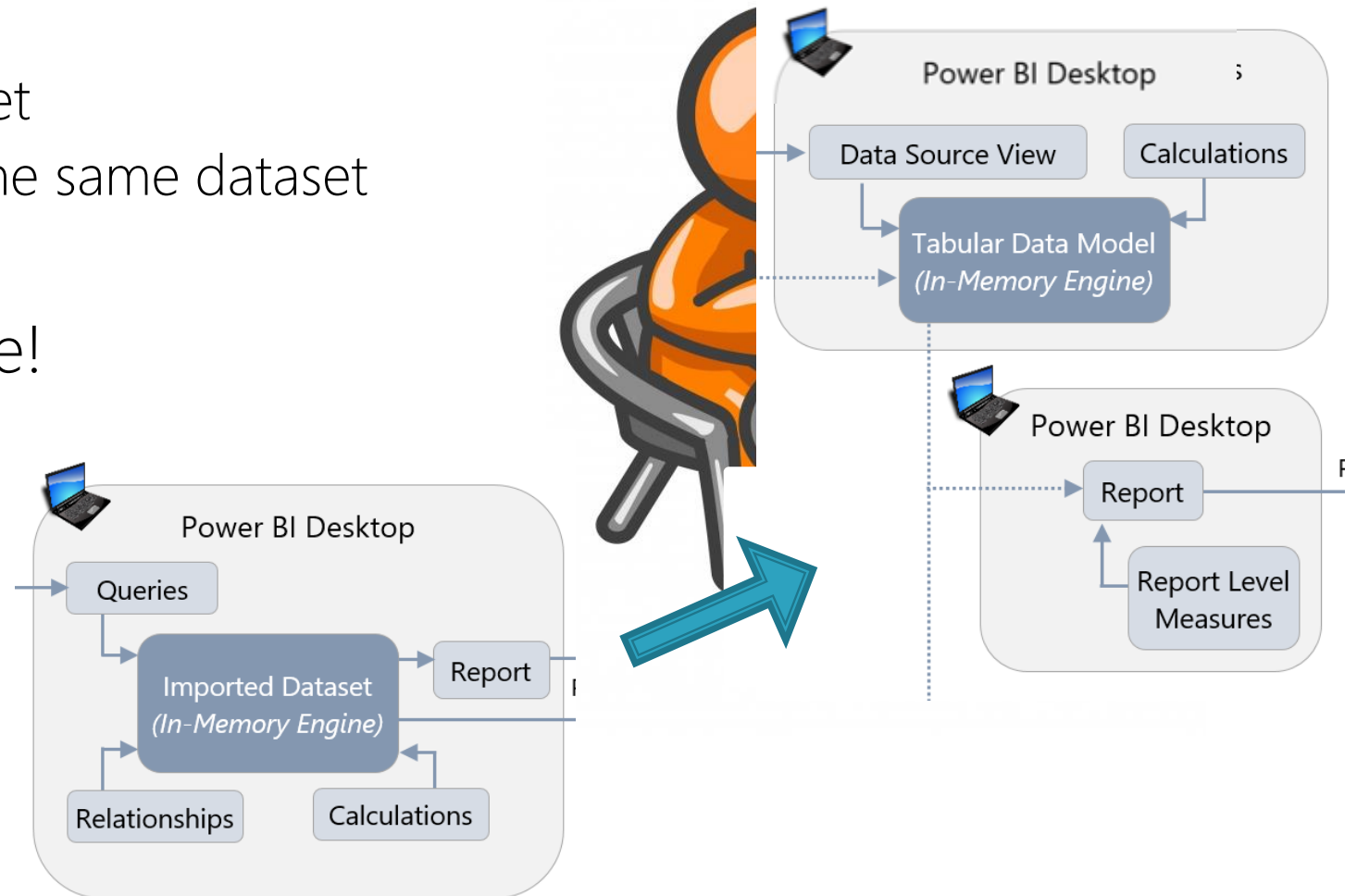


Recap: Power BI Ownership Approaches



Demo: Ownership transfer

- ▶ Let se some Magic !
 - Split the report and dataset
 - Connect more report to the same dataset
- ▶ Dataset discovery is here!
 - Between workspaces
 - Shared datasets
 - Certified datasets









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

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

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!



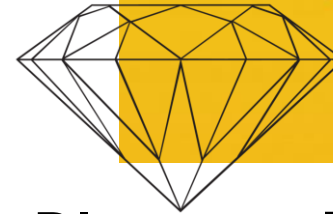
Power BI merging with Azure AS

Enterprise BI

All BI users self-service BI users

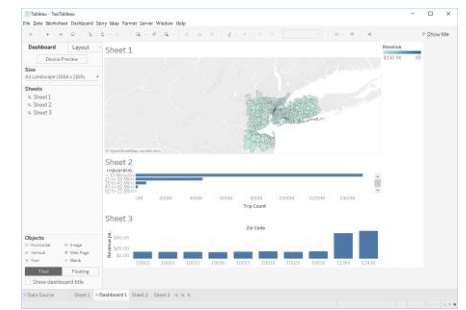
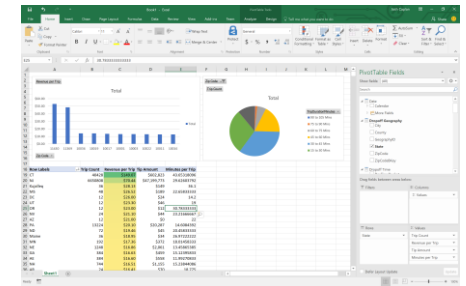
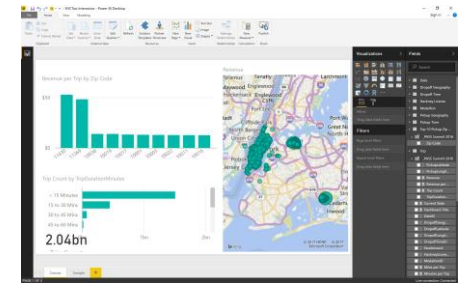
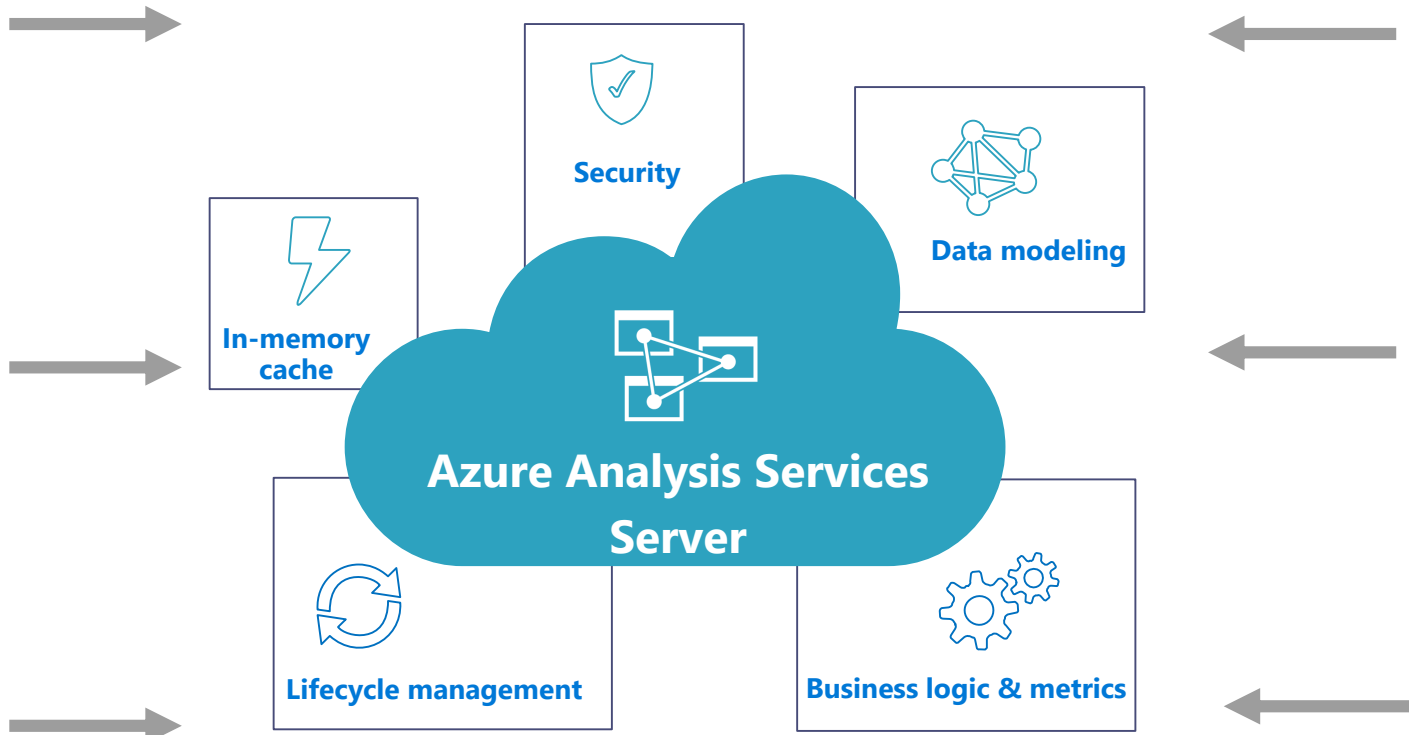
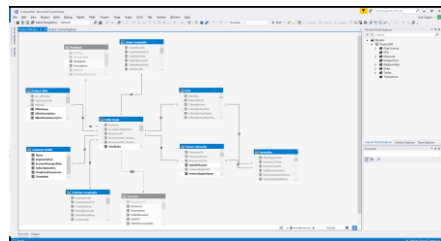
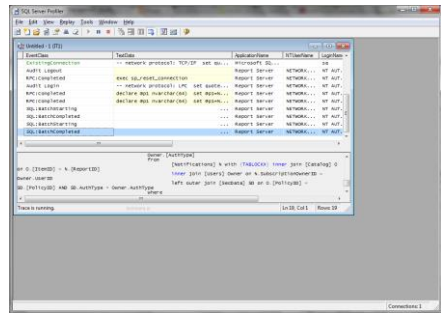
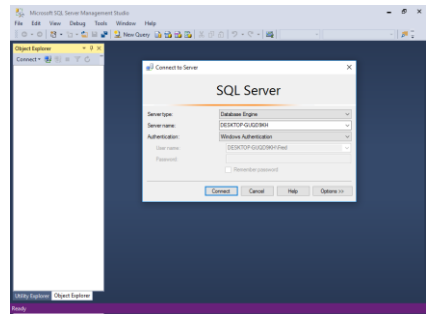


Azure Analysis Services Power BI Premium



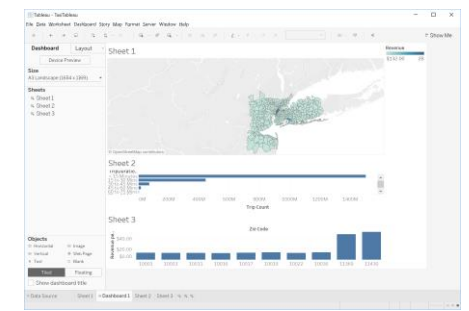
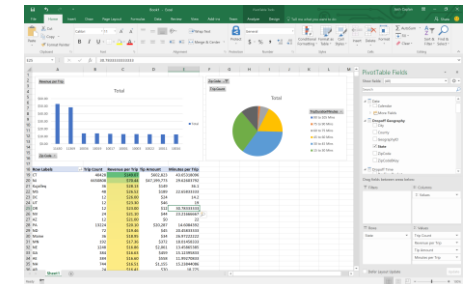
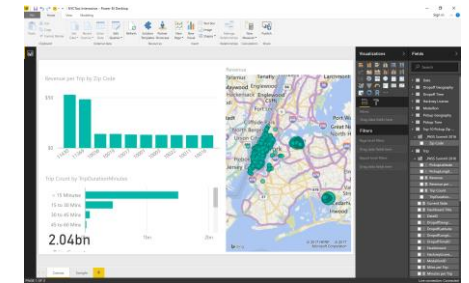
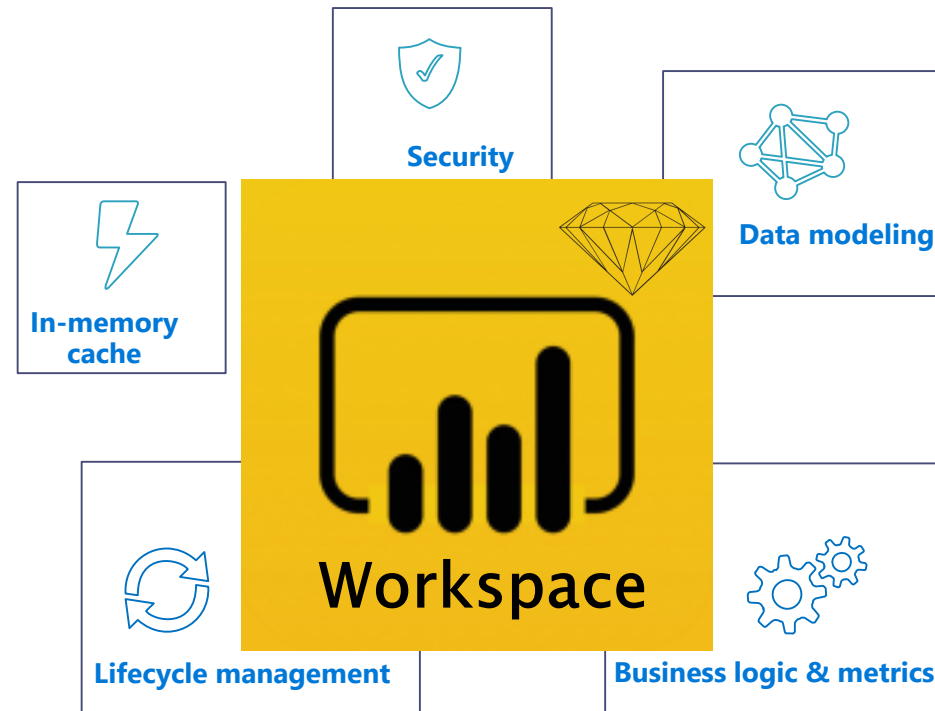
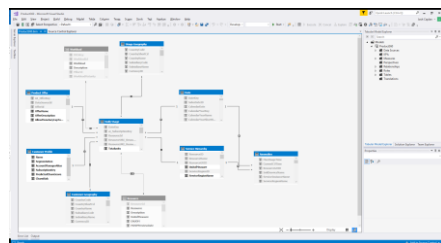
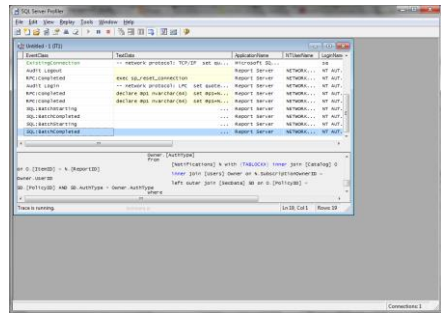
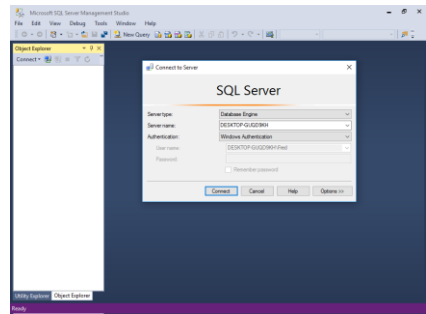
Power BI

Connectivity: Analysis Services



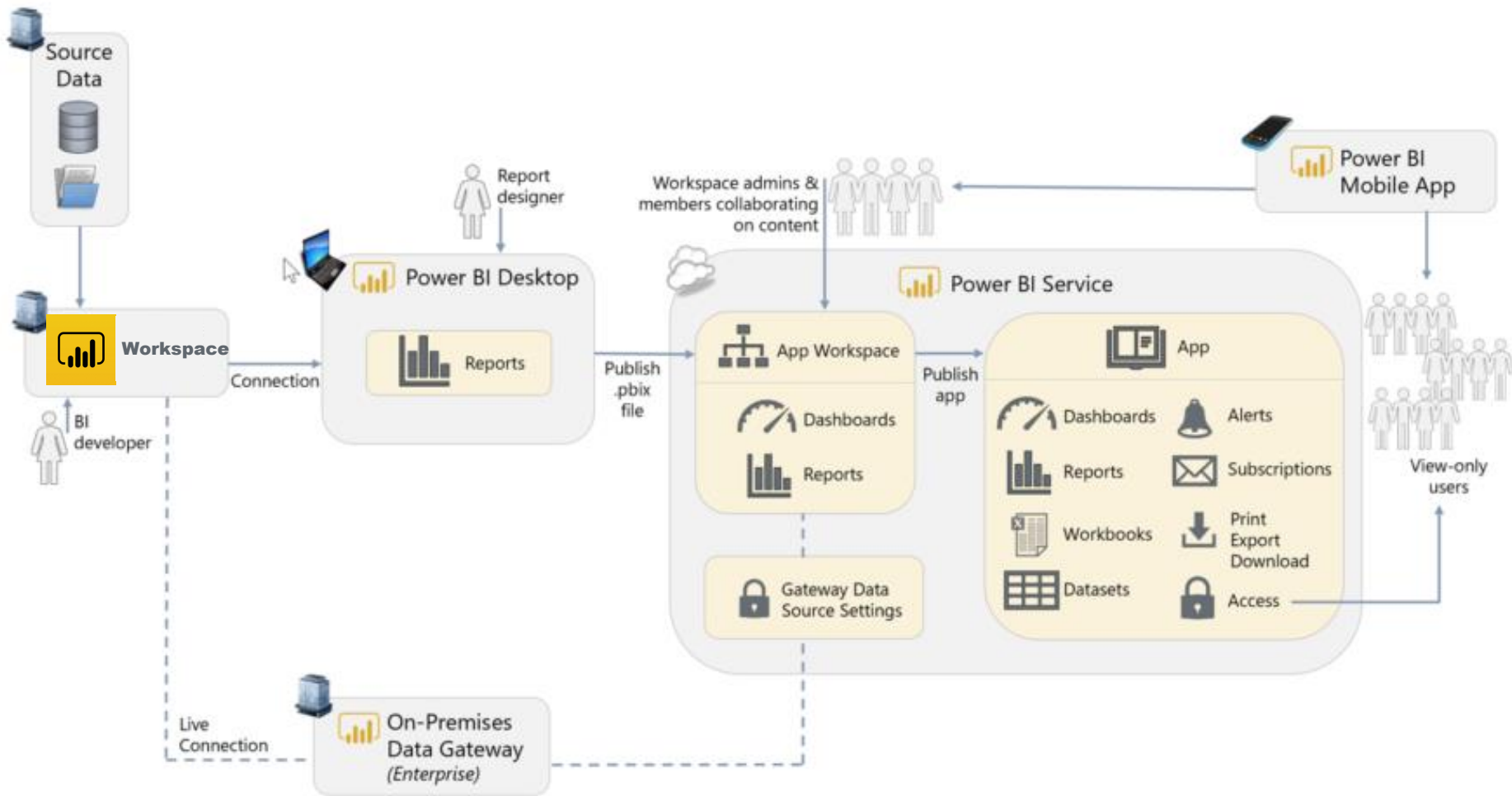
ORANGEMAN

Connectivity: Power BI Premium



ORANGEMAN

Full architecture: IT-Managed Self-Service BI

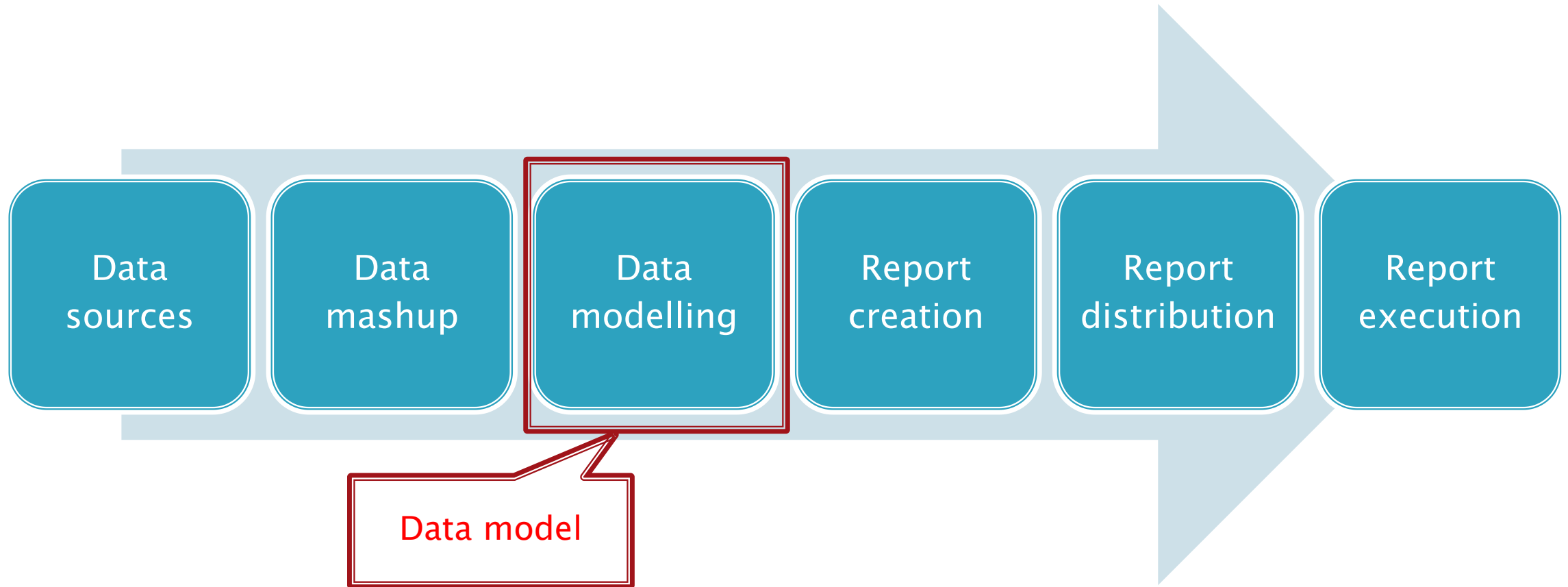


Security

- ▶ Where and how to set it up?



Where to setup security



Row-level Security (RLS)

- ▶ Restrict data access for given users on row level
 - ▶ Define roles and rules in Power BI Desktop
 - DAX expressions. Eg. Customer[City] = "Atlanta".
 - ▶ Validate the roles in Power BI Desktop
 - ▶ Assign users to roles in the Power BI Service
-
- ▶ Dynamic security can be setup within Power BI Desktop by making use of the username() or userprincipalname() DAX functions

Governance

- ▶ What and how?

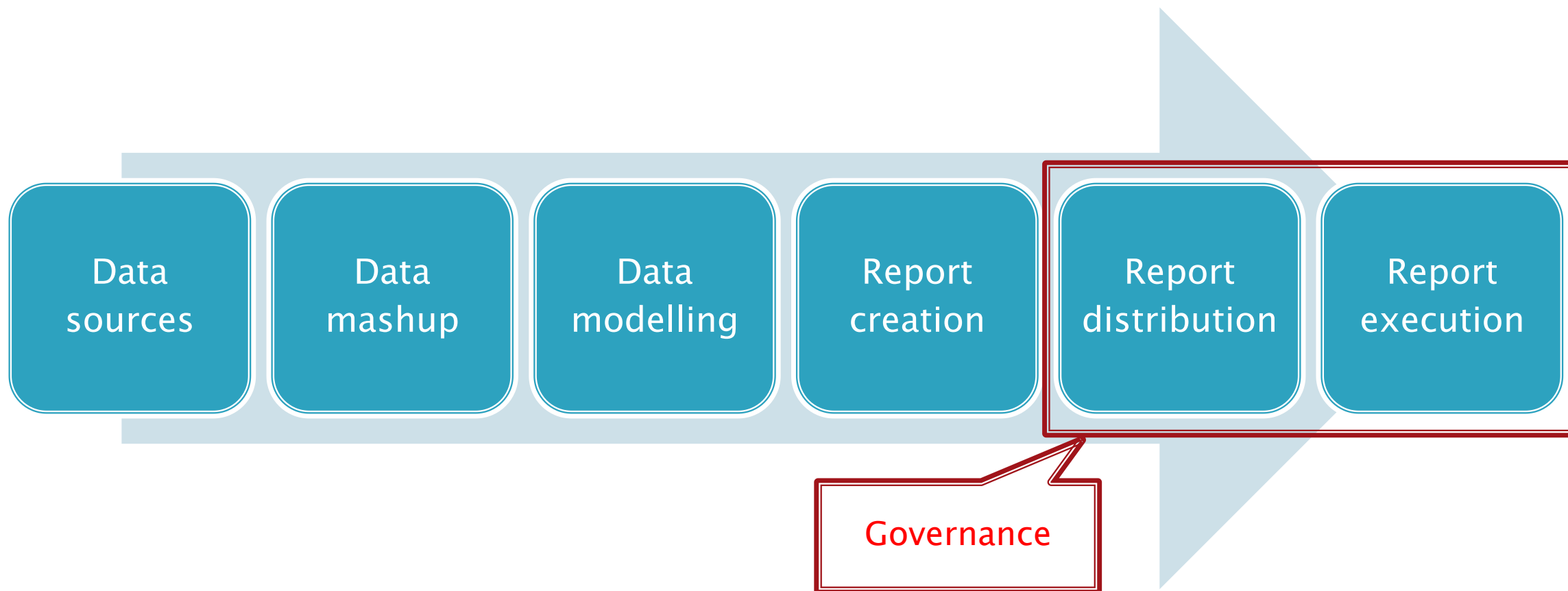


Where can you implement governance?

- ▶ Transfer the ownership
 - Gateway Data Sources
- ▶ Data refresh
 - Gateway Data Sources
- ▶ Service tenant settings
 - Create workspaces
 - Report distribution
 - Export
- ▶ Setup processes
 - Review, test, approval



Service tenant settings



Demo: Tenant settings in the admin portal

- ▶ Governance on
 - Create workspaces
 - Report distribution
 - Export
- ▶ Levels
 - Enabled for the entire organization
 - Disabled for the entire organization
 - Enabled for a subset of the organization
 - Disabled for a subset of the organization



Questions



ORANGEMAN

Usefull ressources



- ▶ Planning a Power BI Enterprise Deployment (whitepaper):
<https://go.microsoft.com/fwlink/?linkid=2057861>
- ▶ Planning Large-Scale Power BI Deployments (video):
<https://www.youtube.com/watch?v=PgS2kuD94xA>
- ▶ Administering Power BI in the admin portal (how-to):
<https://docs.microsoft.com/en-us/power-bi/service-admin-portal>
- ▶ Designing custom navigation for Power BI apps:
<https://powerbi.microsoft.com/en-us/blog/designing-custom-navigation-for-power-bi-apps-is-now-available/>
- ▶ Shared and certified datasets: <https://powerbi.microsoft.com/en-us/blog/heads-up-shared-and-certified-datasets-are-coming-to-power-bi/>

Session Evaluation



Event Evaluation



Sponsored by

infoSupport
Solid Innovator

ilionx
Your partner in digital business

 **VISSER &
VAN BAARS**
THE BI & BIG DATA NETWORK

Motion10

 **dba.nl**
database experts

 **avanade**

 **dbWatch**
DATABASE CONTROL

 **SIGMA DATA**
CONSULTING

axians

melissa
GLOBAL INTELLIGENCE

SentryOne®

 **BI Gorillas**
Business Intelligence, Data Analysis, & Information Management

 **redgate**

TIMEXTENDER

CloseSure^c
ICT - ALL WAYS CONNECTED

Rubicon
Consulting & Technology

VIQTOR DAVIS.
DATA CRAFTSMANSHIP

