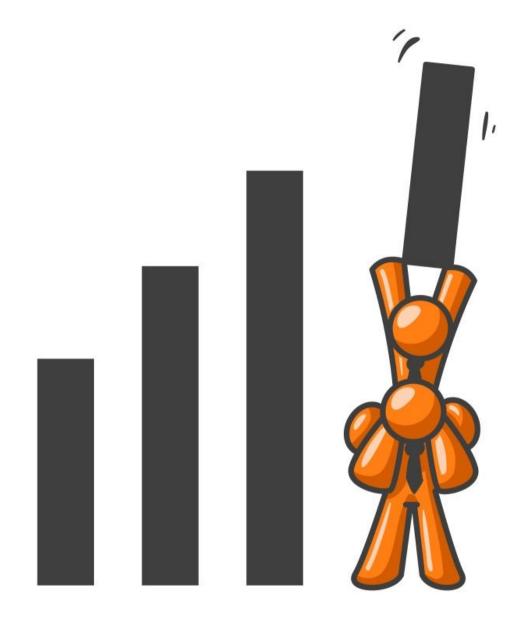
Deploying Power Blin the Enterprise

Just Thorning Blindbæk



Deploying Power BI in the Enterprise





Just Thorning Blindbæk

Founder of MsBIP and Power BI UG Denmark Consultant in justB and trainer at Orange Man 10+ years of experience with Microsoft BI

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BEFORE WE START

Business Users?

IT Professionals?

All in one?





Agenda

- Delivery of Power BI
- Ownership transfer
- Security
- Content workflow
- Governance
- Auditing

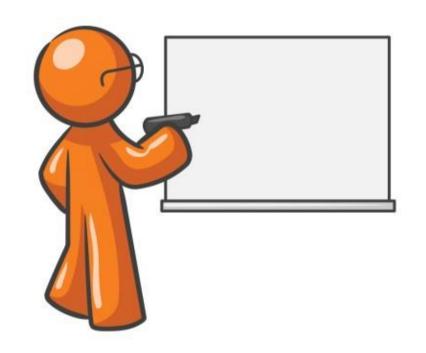


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Delivery of Power Bl

Self-service vs. Corporate Bl



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Delivering Power Bl is not easy



Complete and powerful

self-service BI



Enterprise grade governance and scale





Power BI development: IT vs Business

Data sources

Data mashup

Data modelling

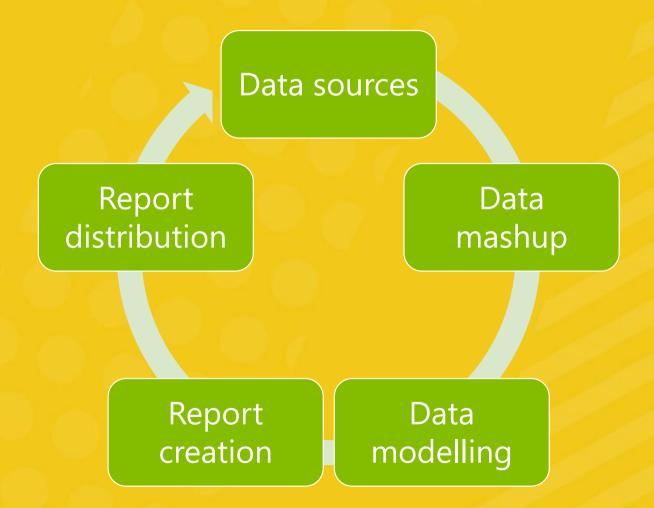
Report creation

Report distribution

Report execution



Power BI development is agile





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:

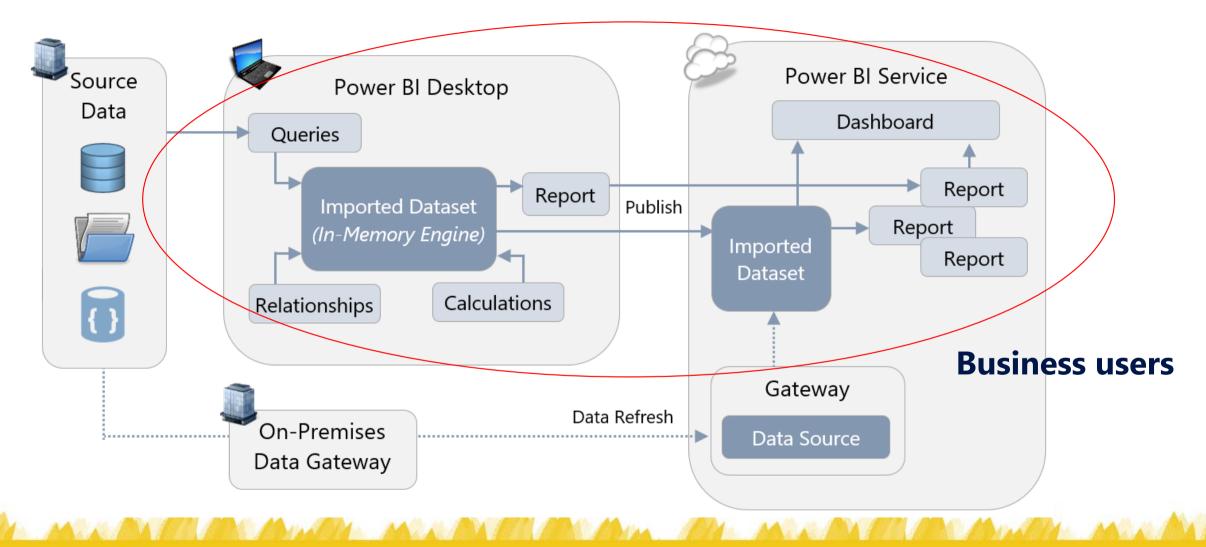
П



Ownership Transfer

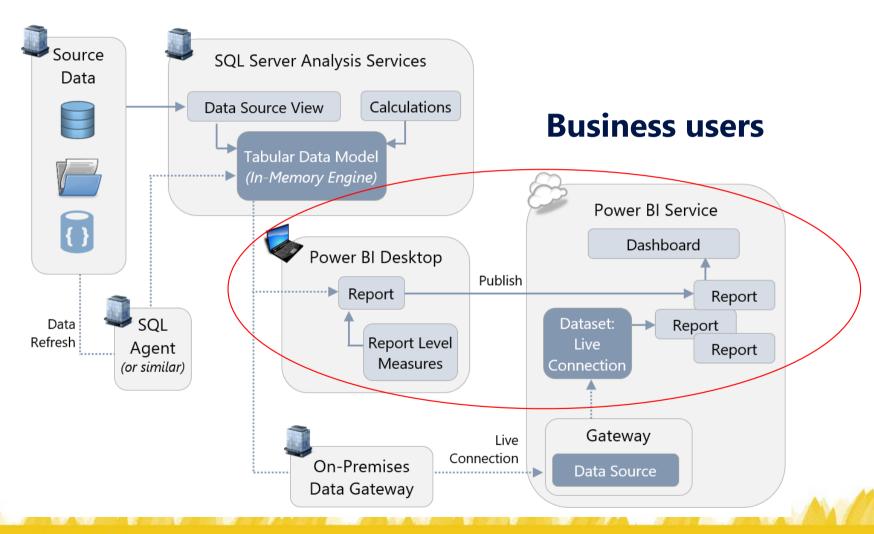
Over time, certain self-service solutions deemed as critical to the business may transfer ownership and maintenance to IT. It's also possible for business users to adopt a prototype created by IT.

Business-Led Self-Service Bl



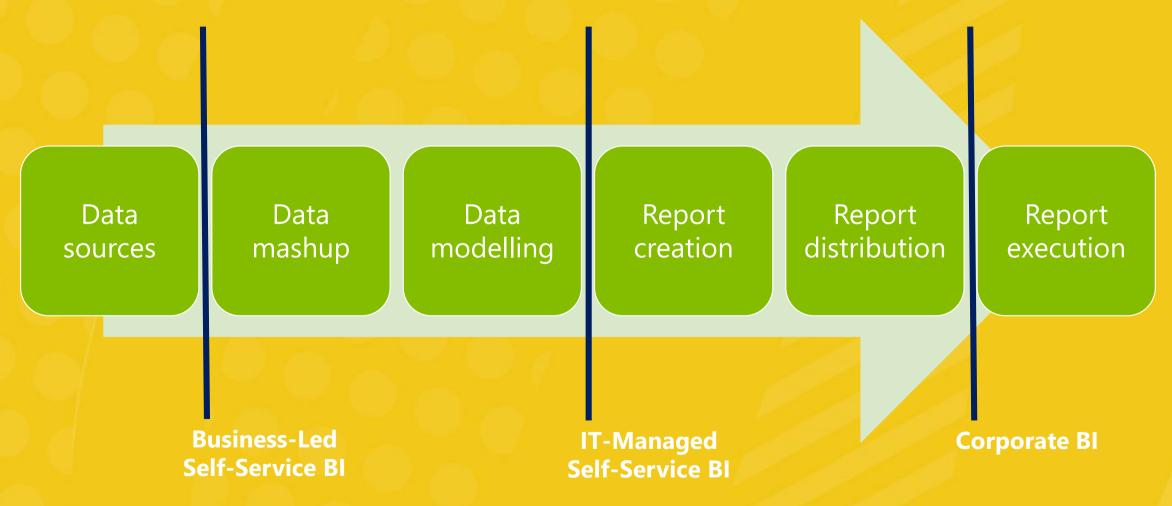


IT-Managed Self-Service Bl





Recap: Power BI Ownership Approaches





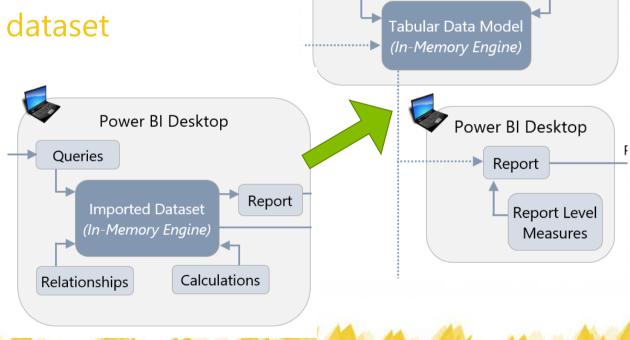
Demo: Ownership transfer

- Let see some Magic!
 - Split the report and dataset
 - Connect more report to the same dataset

Dataset discovery!

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- Between workspaces
- Shared datasets
- Certified datasets





Power BI Desktop

Calculations

Data Source View

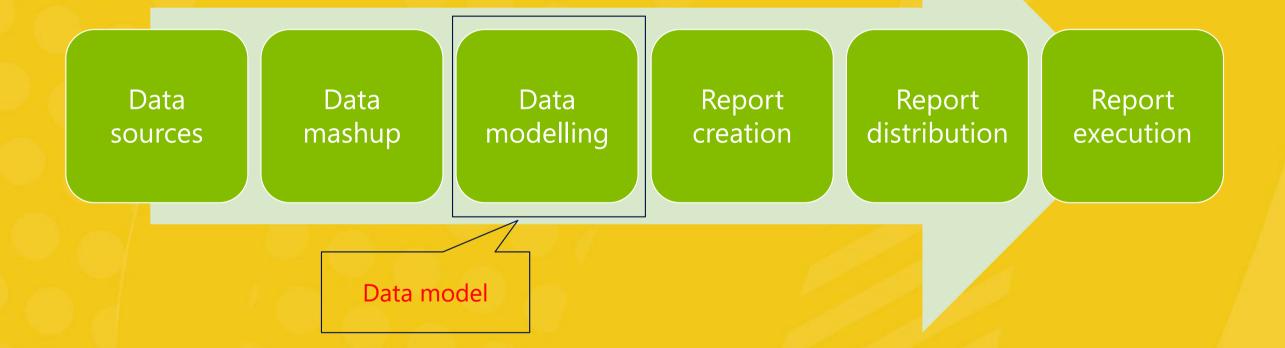
Security

Where and how to set it up?





Where to setup security





Demo: Row Level Security

acceptable the profile receptable the profile the property the profile the profile man belief

- Define roles and rules
- Validate the roles





Content Workflow

Workspaces, Apps, Deployment



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Workspaces – private and app

- Everyone has their own private workspace they can publish to: "My Workspace"
 - Personal usage
 - Testing purposes
- App Workspaces is somewhere report developers can work together on the same business problem

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Apps

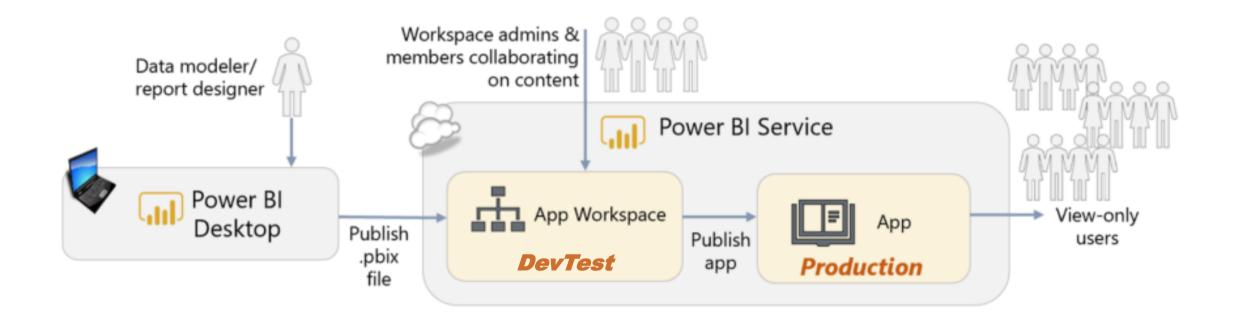
- The contents of App Workspaces can be published as Apps
- Other users can then 'install' the App or have it pushed to them
 - When users install an App they can see the dashboards and reports in there

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- They can interact with slicers
- They cannot edit the reports or dashboards



App deployment process



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Demo: Content Workflow

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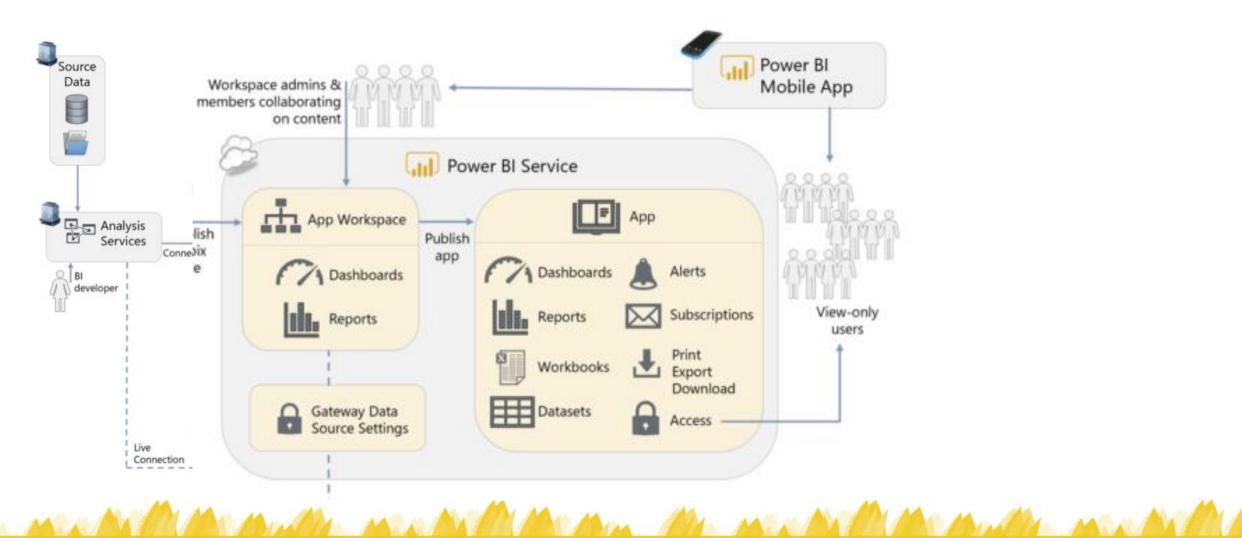
- Create App Workspace
 - New experience preview

- Publish App
 - Setup view/execution security





Full architecture: IT-Managed Self-Service Bl





Governance

What and how?

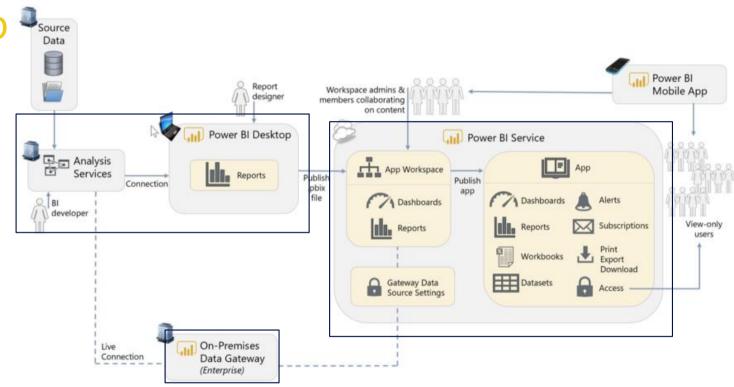




Where can you implement governance?

Willy the profile was been the par the part the was been the profile was been the

- Transfer the ownership Source Data
- Data refresh
- Service tenant settings
 - Admin portal
 - Create App workspaces
 - Deploy Apps
 - Sharing
- Setup processes
 - Review, test, approval





Demo: Tenant settings in the admin portal

- Enabled for the entire organization
- Disabled for the entire organization
- Enabled for a subset of the organization
- Disabled for a subset of the organization





Auditing

Monitoring the usage



Michaelle Markette Markette Markette Markette Markette Markette Markette



Auditing and monitoring

- What are the users doing?
- Report/Dashboard/workspace level
 - Usage Metric Reports
- Tenant level O365 Admin Center
 - Usage Metrics and Audit Logs
 - Adhoc export
 - Extract with Powershell

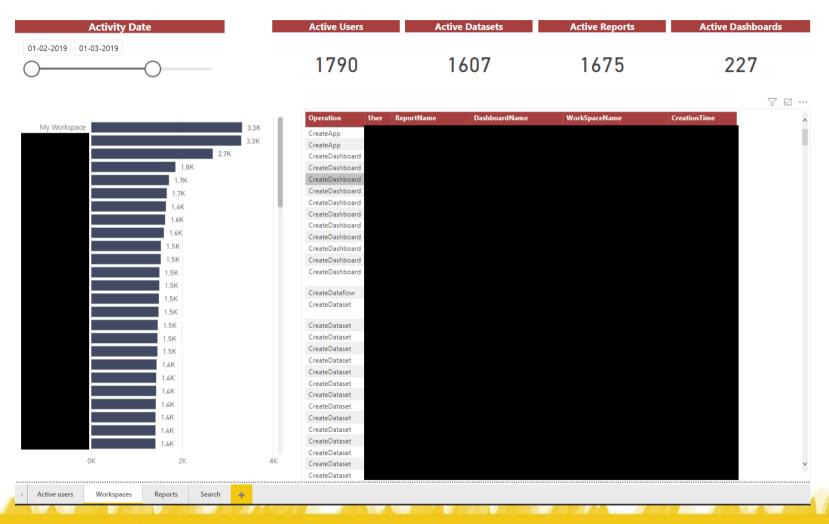
Audit Log activities:

- Viewed
- Created
- Download
- Exported
- Refreshed
- Printed
- Removed
- **.**..

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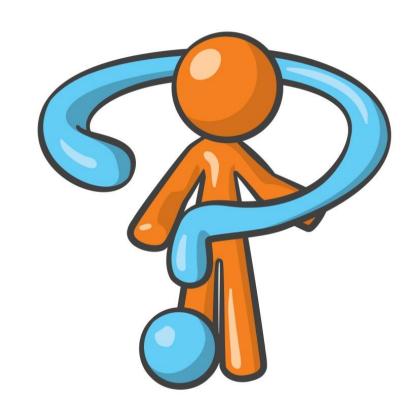
Report created from Audit log data





Questions

????



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Bonus slides



Big news!

Taking transfer ownership to the NEXT level

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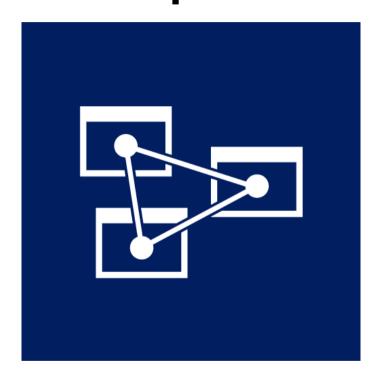


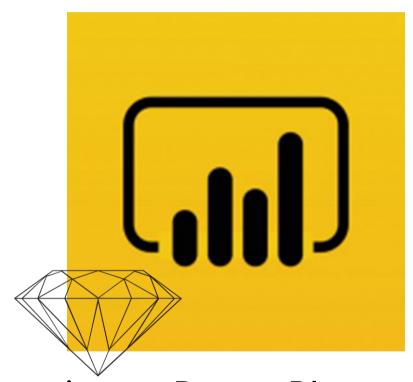
Power BI merging with Azure AS

Enterprise Bl

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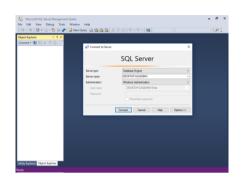


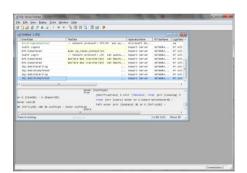


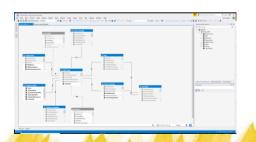
Azure Analysis Servideswer BI Premium Power BI

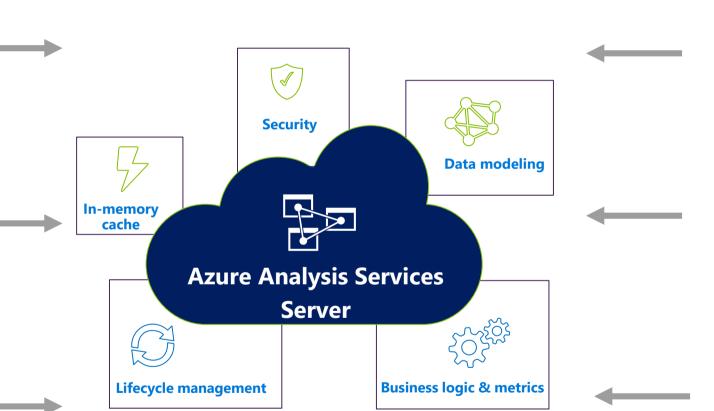


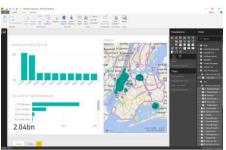
Connectivity: Analysis Services



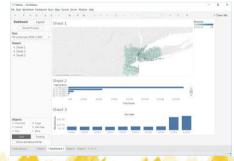






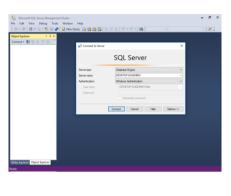


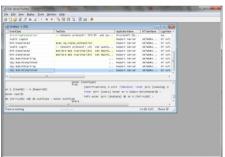


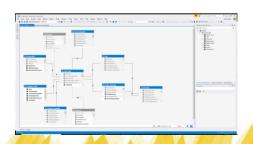


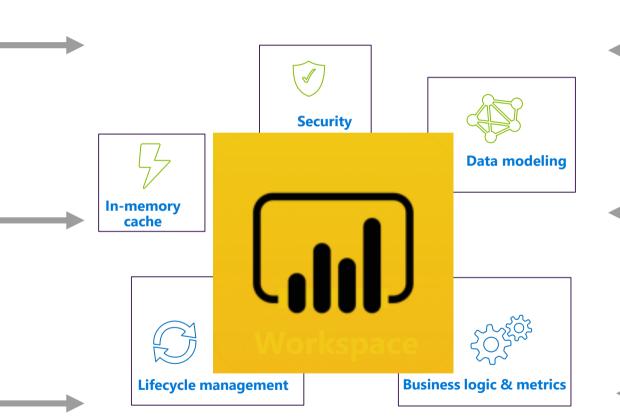


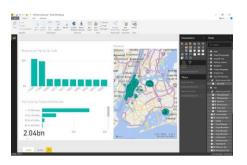
Connectivity: Power Bl



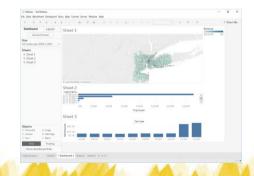






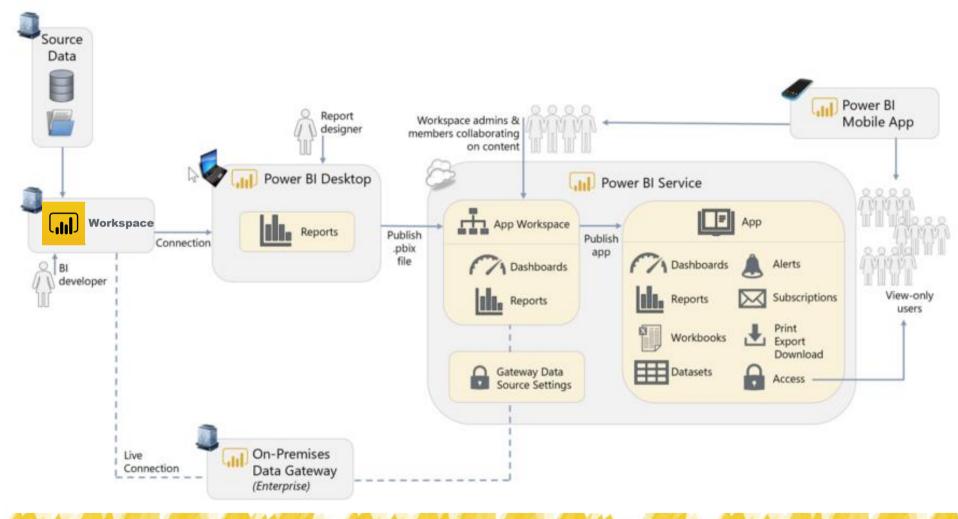








Full architecture: IT-Managed Self-Service Bl





Usefull ressources

- Planning a Power Bl Enterprise Deployment (whitepaper): https://go.microsoft.com/fwlink/?linkid=2057861
- Implement Row-level security (documentation): https://docs.microsoft.com/en-us/power-bi/desktop-rls
- 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
- Build Your Own Power Bl Audit Log (blog): http://radacad.com/build-your-own-power-bi-audit-log-usage-metrics-across-the-entire-tenant

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Service Platform Service Supply Suppl