



PASS
SUMMIT 2016

10 Amazing Things About Power BI

You Don't Know

Reza Rad, Consultant, RADACAD





Please silence
cell phones

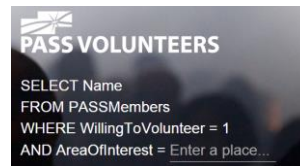
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**Golden
Retriever?**



**Gets along with just about everyone, strong
& active, gentle & eager to please**

What-Dog.net?

Reza Rad

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Microsoft Data Platform MVP
Author of SQL Server and BI books
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Agenda

Real-time Dashboard

Mobile Reports

Power Query Structured Column

DAX Calculated Tables

Custom Visuals

Maps in Power BI

Dynamic Row Level Security

Scalability with SSAS Live Connection

Content Packs

Power BI Embedded

1- Real-time Dashboard

Hey Cortana!

IOT

Azure Stream Analytics

REST API

PubNub

2- Mobile Reports

Tips and Tricks

3- Power Query Structured Column

Power Query Beyond Limits

<https://www.opm.gov/policy-data-oversight/snow-dismissal-procedures/federal-holidays>

4- DAX Calculated Tables

Scenarios to Use

- Role Playing Dimension
- Sub-Tables (top 10 customers....)

5- Custom Visuals



6- Maps in Power BI

Different approaches

- Map
- Filled Map
- Shape Map
- Custom Visuals
- ArcGIS

7- Dynamic Row Level Security

Security on the Data Level (different from sharing)

Using *USERNAME()* DAX function

8- Live SSAS Connection

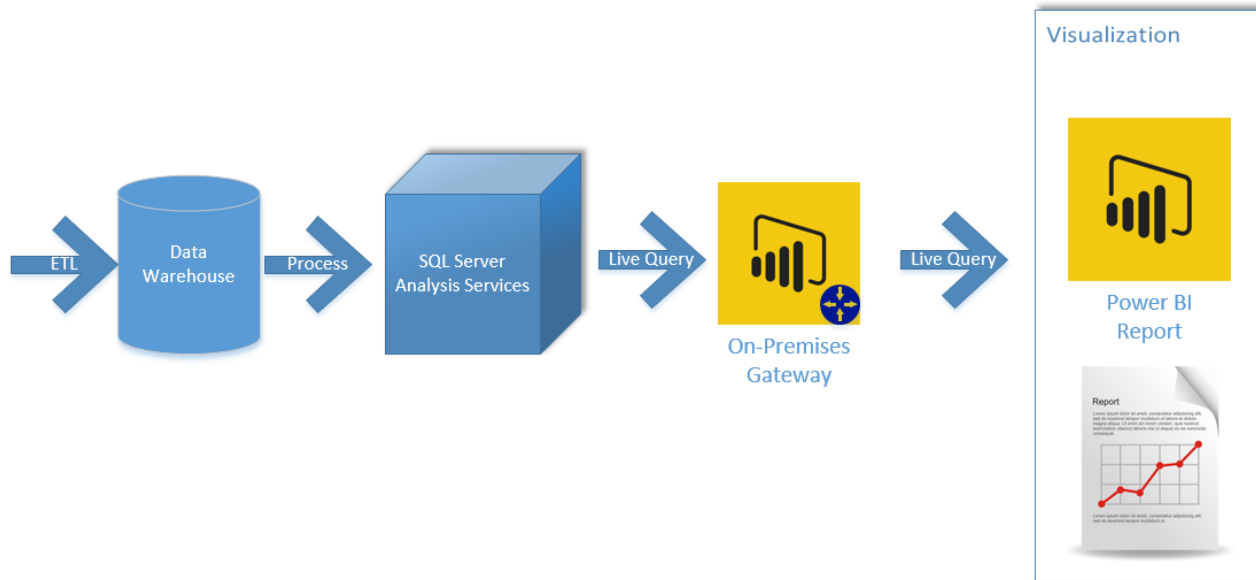
On-premises Gateway

Security (RLS)

DAX

Scalability

Enterprise – Large Scale – On Premises

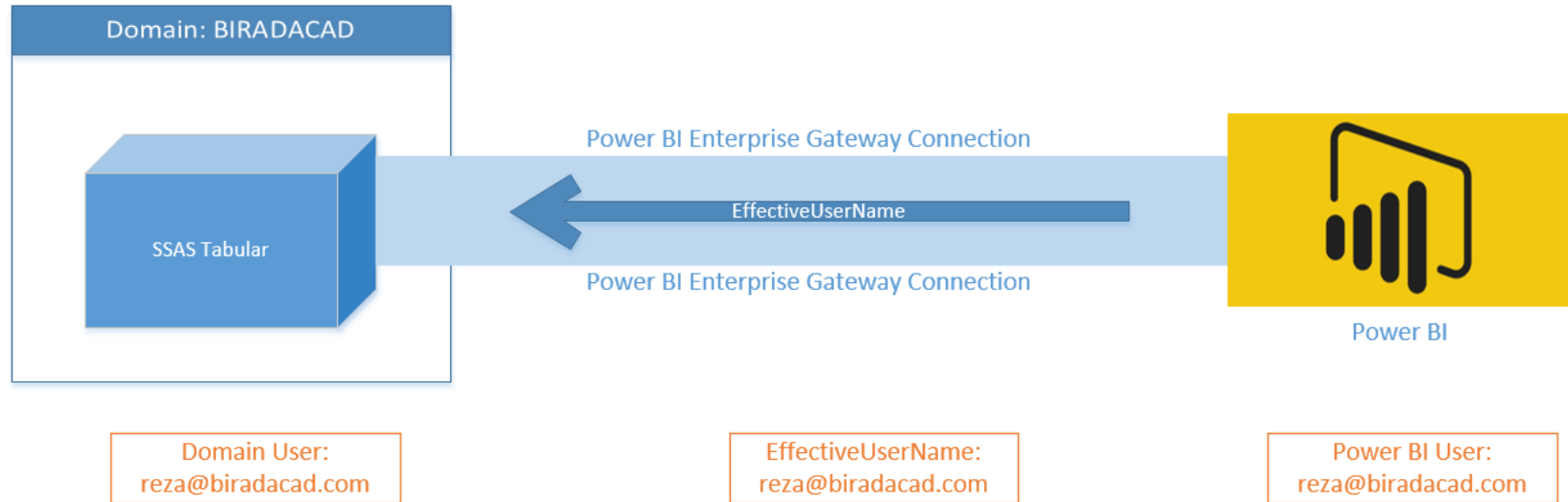


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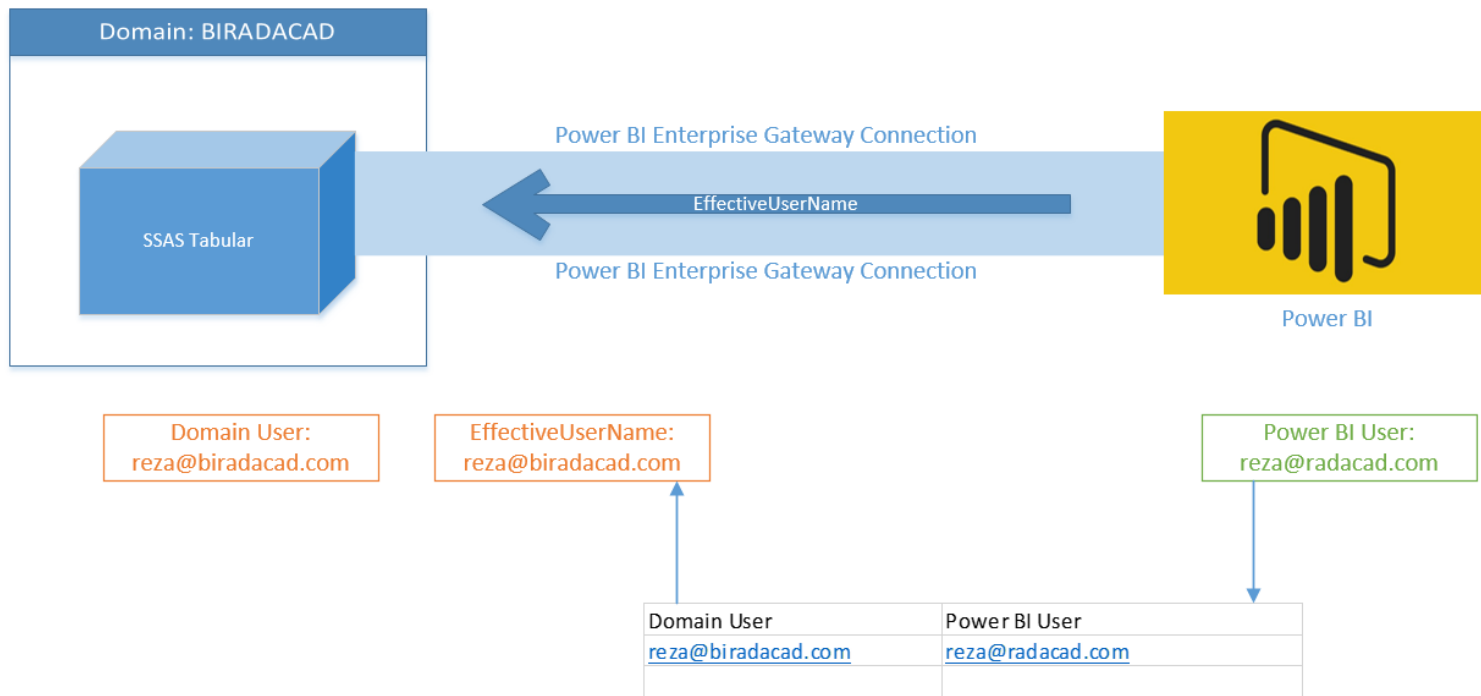


<http://www.radacad.com>

How on-premises gateway works?



UPN Mapping, Effective User Name



9- Governance with Content Pack

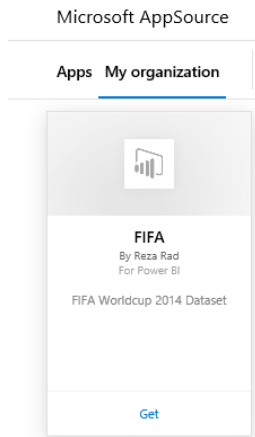
Two types of Content Pack

- Organizational
- Service

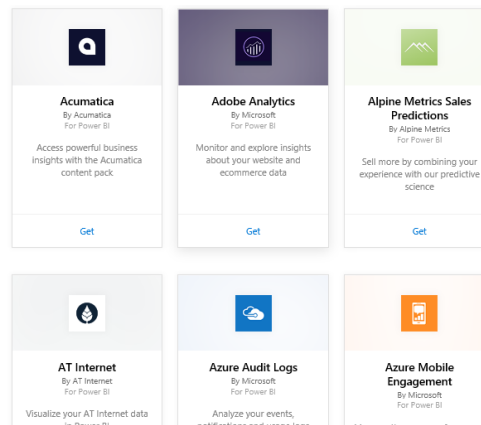
Sharing

Two types of Content Pack

Organizational



Service



Organizational Content Pack

Share multiple Dashboards, Reports, Datasets in your organization

Users will have read-only access

*Power BI Pro is required

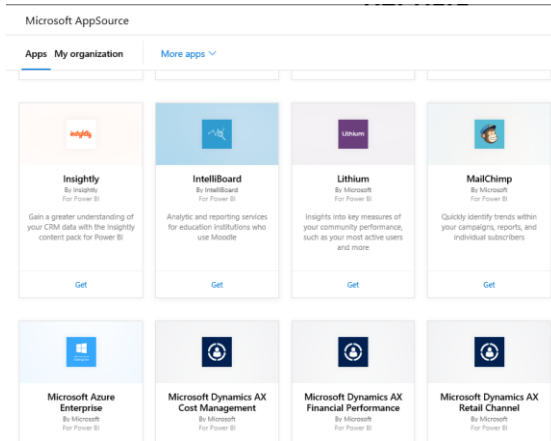
Keep control on the source of truth

Users can customize their own copy of the data

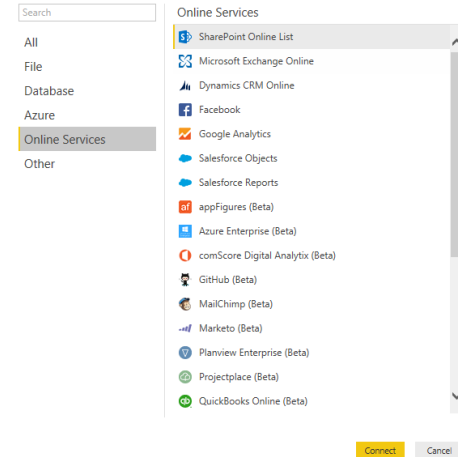
You manage the refresh

Centralized Access Control (Update, Remove)

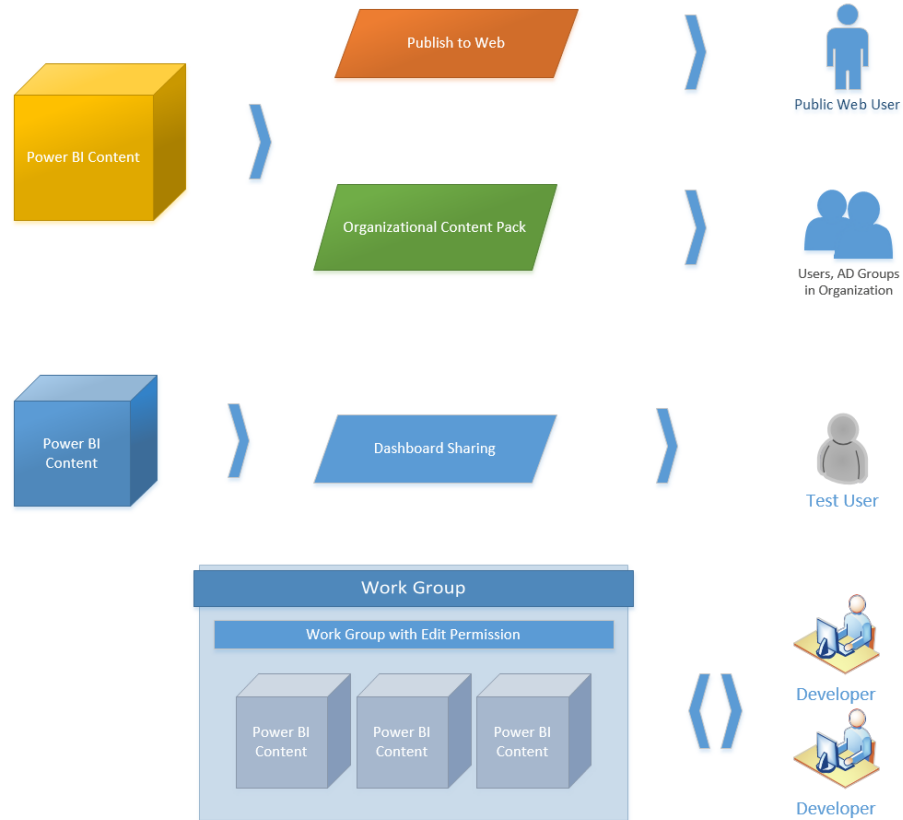
Service Content Pack vs Data Source



Get Data



Sharing



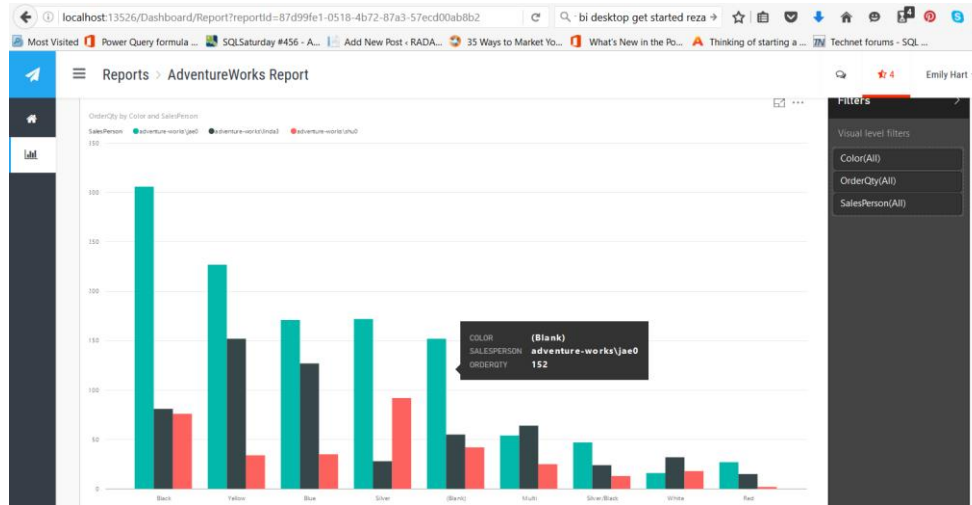
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Power BI Embedded

Bring the Power into Your Application



Summary

1. Real-time Dashboard
2. Mobile Reports
3. Power Query Custom Function
4. DAX Calculated Tables
5. Custom Visuals
6. Maps in Power BI
7. Dynamic Row Level Security
8. Live SSAS Connection
9. Content Packs
10. Power BI Embedded

References to Study More

Power BI from Rookie to Rock Star book: FREE

<http://www.radacad.com/online-book-power-bi-from-rookie-to-rockstar>

Power BI Blog:

<https://powerbi.microsoft.com/en-us/blog/>

Power BI Community:

<http://community.powerbi.com/>

Power BI Self-Paced Training Course/Videos:

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