Planning your Data Governance: Power BI, PowerPivot or SSAS Tabular?

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Overview

Data Governance

- Organizational BI vs Self-Service BI
- On-Prem vs Cloud

Where can you write DAX?

- Power Pivot
- Power BI
- SSAS Tabular
- Azure Analysis Services

“Data governance is a set of processes that ensures that important data assets are formally managed throughout the enterprise.”

Wikipedia

Data Governance is boring!
It’s all about trade-offs.

Organizational Versus Self-Service

The Self-Service Litmus Test

Accounting

Needs to make her own reports

IT

Gatekeeper of the reports

Self-Service is often code for
“undermining IT authority”

Comparison of Benefits

Self-Service BI	Organizational BI
Report authors closer to the business	Single source of truth
(Theoretically) faster turnaround	Less report bloat
(Potentially) more scalable	Not all users are developers

On Premises Versus Cloud

What is the Cloud?

The cloud, originally, meant nothing

Computing as a commodity

Paying for managed infrastructure

Benefits of Going With the Cloud

On-demand capacity

Focus on core competency

External accessibility

Downsides of Going With the Cloud

Not always cheaper

Data protection laws

Additional latency

The cloud is inevitable.

Cloud Computing: The Big Picture
David Chappell

Cloud Business Intelligence: The Big Picture
Ben Sullins

Tools That Use DAX

Where is DAX Used?

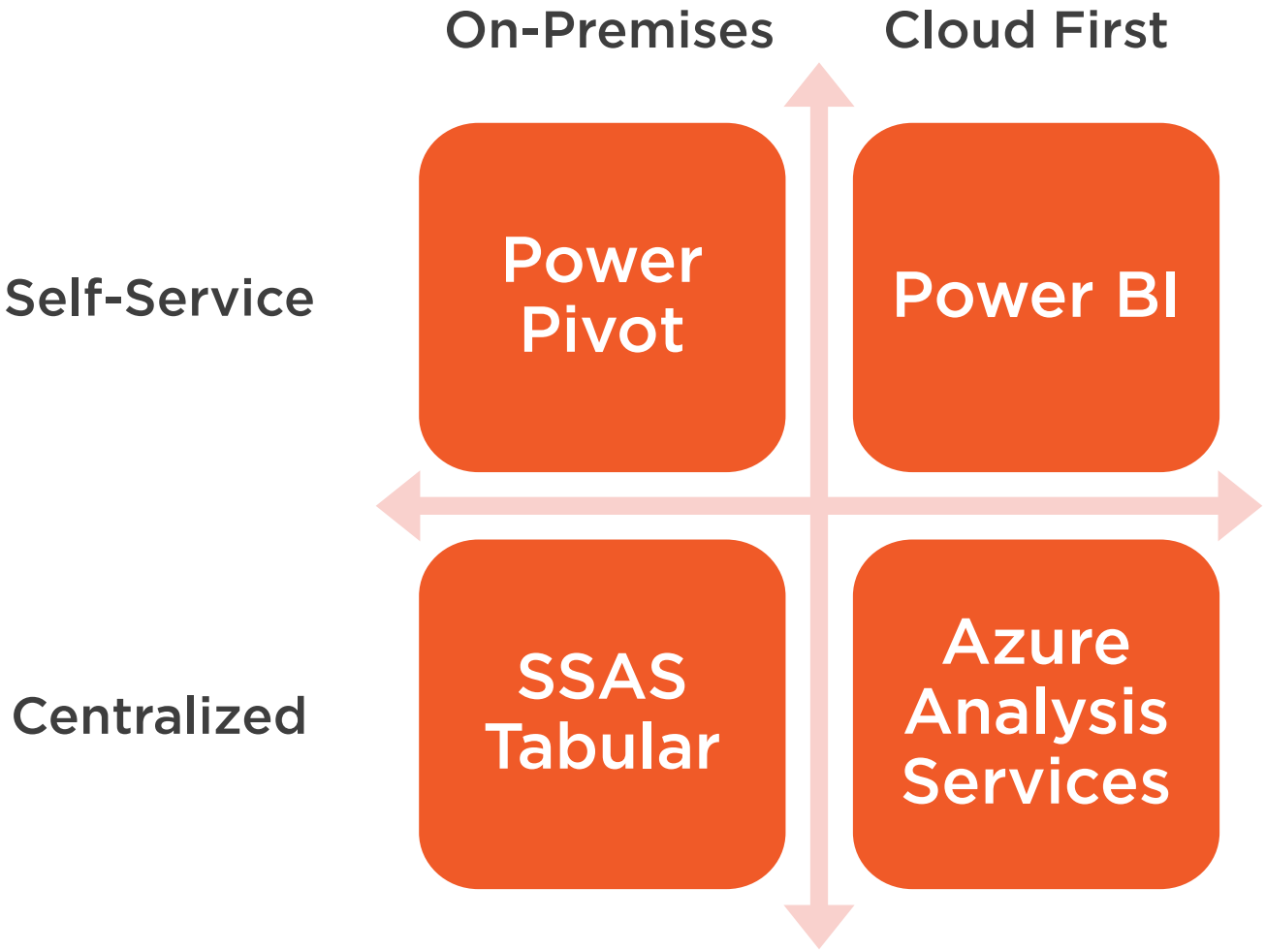
Power Pivot

Power BI

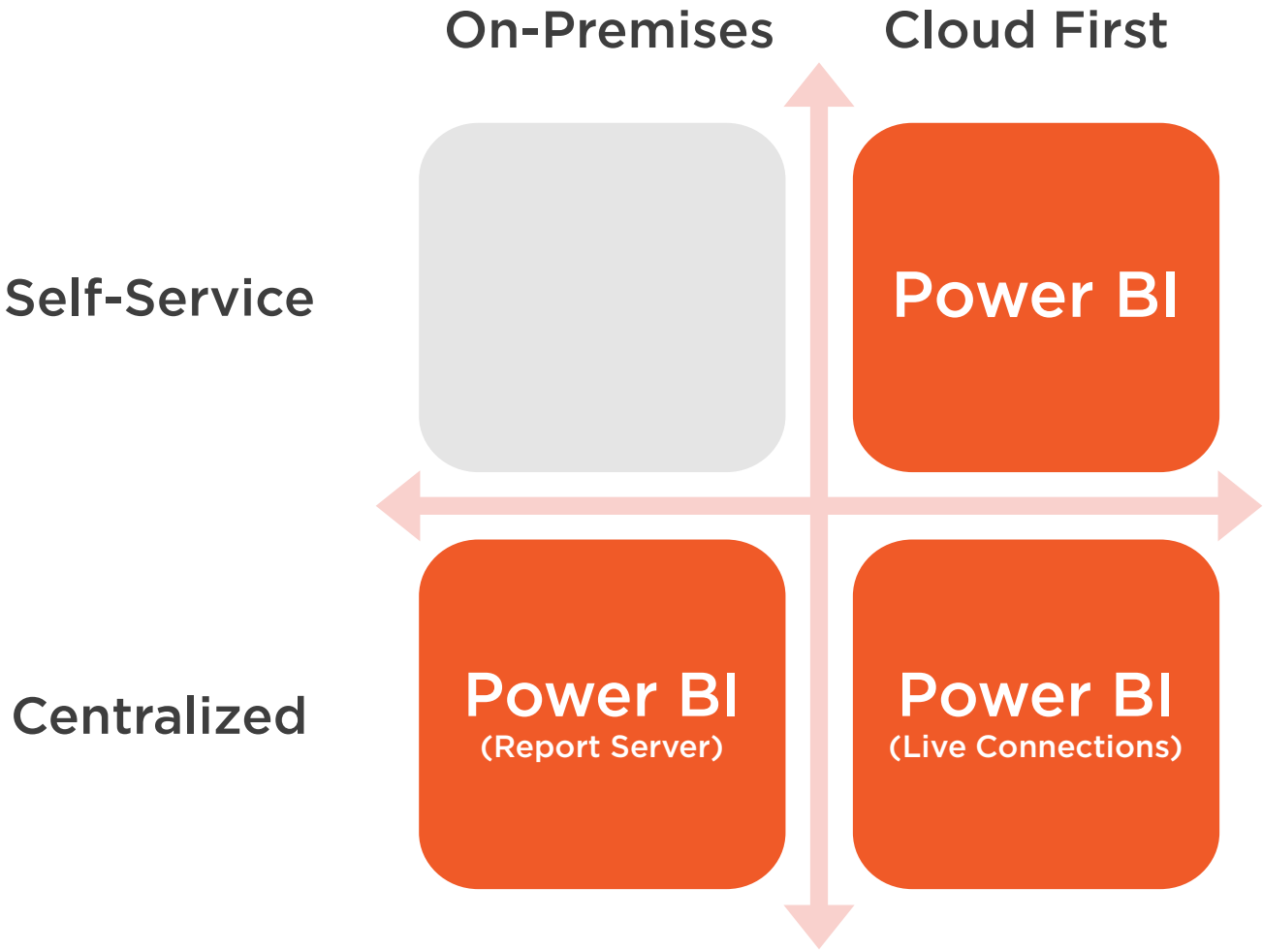
SSAS Tabular

Azure Analysis Services

Mapping Trade-Offs



Where Does Power BI Really Fit?



Pragmatic Self-Service BI with PowerPivot for Excel
Bill Pearson

Organizational BI with SSAS 2012 Tabular – Introduction
Bill Pearson

Leveraging Timely On-Premises Data with Power BI
Eugene Meidinger

Summary

Data Governance is all about trade-offs and processes

How much control is IT willing to give up?

Cloud adds flexibility and focus

Each tool for DAX is a different strategy