3 ways to bring Power BI under Source Control

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Who is this session for?

Power BI Admins

Business Users

Managers

Developers

Business Analysts

Data Consumers

Data Owners

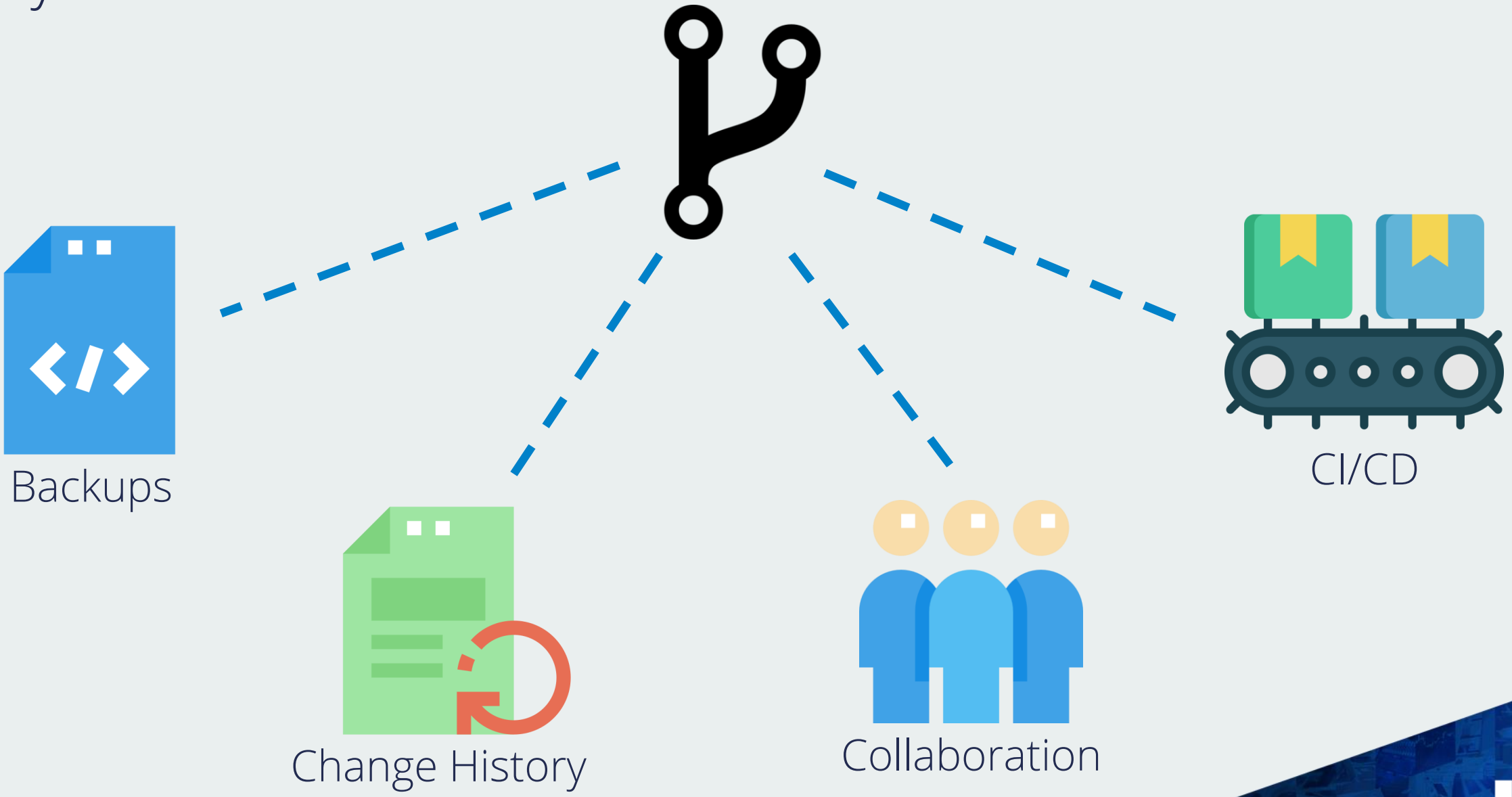
What is Source Control?

Source: XKCD (https://xkcd.com/1597/)

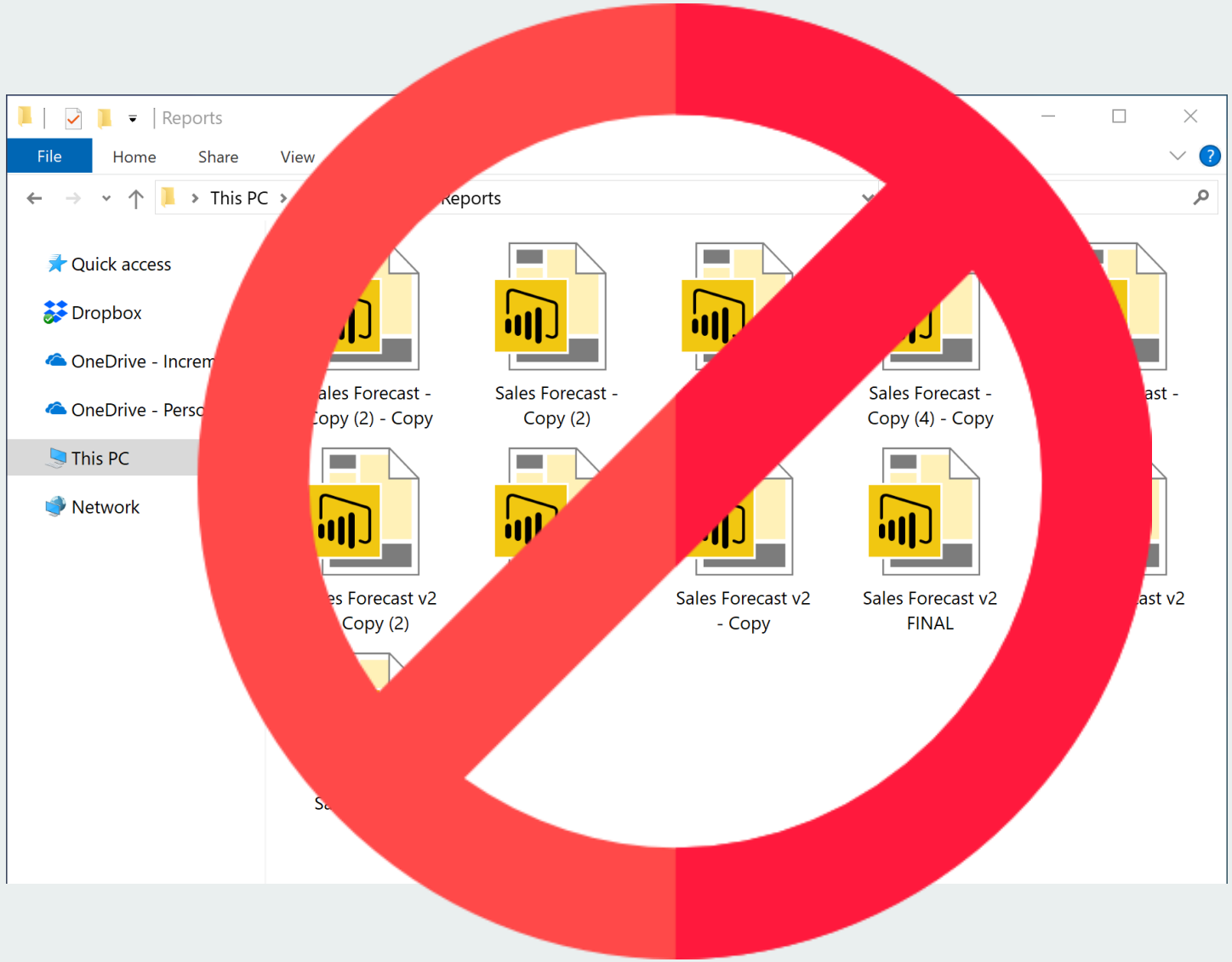
Source Control

also known as revision control or version control, **is the management of changes** to documents, computer programs, large web sites, and other collections of information.

Why should I care?



DIY Source Control



Why it doesn't work with Power BI

Doesn't know or care about Source Control.

Don't have control over all deployed content.

Business Users

Power BI

Developers

No life cycle management tools in Power BI yet

What can we do?

Option 1

Sales Workspace

Marketing Workspace

Finance

My Workspace

... x1000+ ?

Option 2

Deployment Process

How do we do it?

Cloud Storage	Microsoft Flow	PowerShell

Business User → Developer / Programmer

Cloud Storage

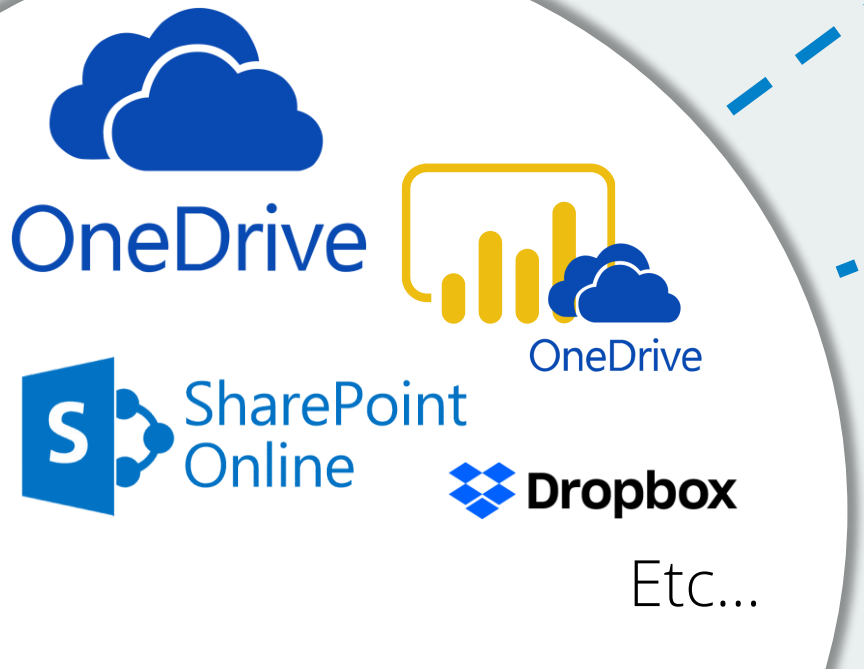
Not real Source Control

File Version History

Backup Silos

Automatic Deployment of Datasets and Reports

*On Power BI Workspace OneDrive. Must be set up manually with v2 workspaces



Cloud Storage Demo

Microsoft Flow Setup

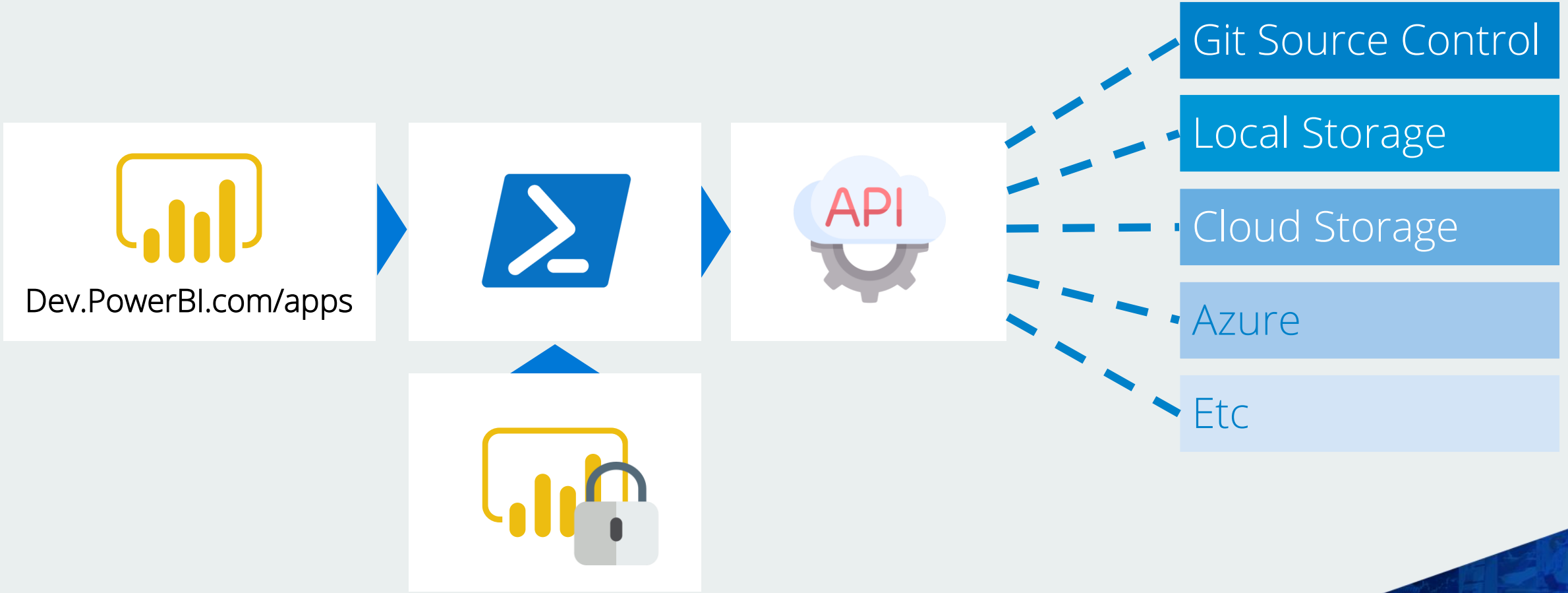
Ida Bergum
https://www.idabergumdata.com/

Using Microsoft Flow

*Works best using a Power BI Administrator

Microsoft Flow Demo

PowerShell


Dev.PowerBI.com/apps
API
Git Source Control
Local Storage
Cloud Storage
Azure
Etc

PowerShell Demo

Cloud Storage

Simple

Easy to Implement

*Power BI integration

Not true Source Control

Not Enterprise solution

Requires user process

Microsoft Flow

Easy to use

Powerful

Many more capabilities

Initial setup difficult

Functional Limitations

Could be easier

PowerShell

Versatile

Most powerful

Full capabilities of API

PS knowledge needed

Power BI Admin perms provide best results

Business User → Developer / Programmer

Cloud Stora

Drop

Simple

Easy to Implemer

*OneDrive integr

Not true Source (

Not Enterprise sc

Requires user pro

Power BI Sentinel

Easy to use

Extensive features

Only way to do Change Tracking

Paid Solution

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Flow

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re capabilities

up difficult

ns

PowerShell

Versatile

Most powerful

Full capabilities of API

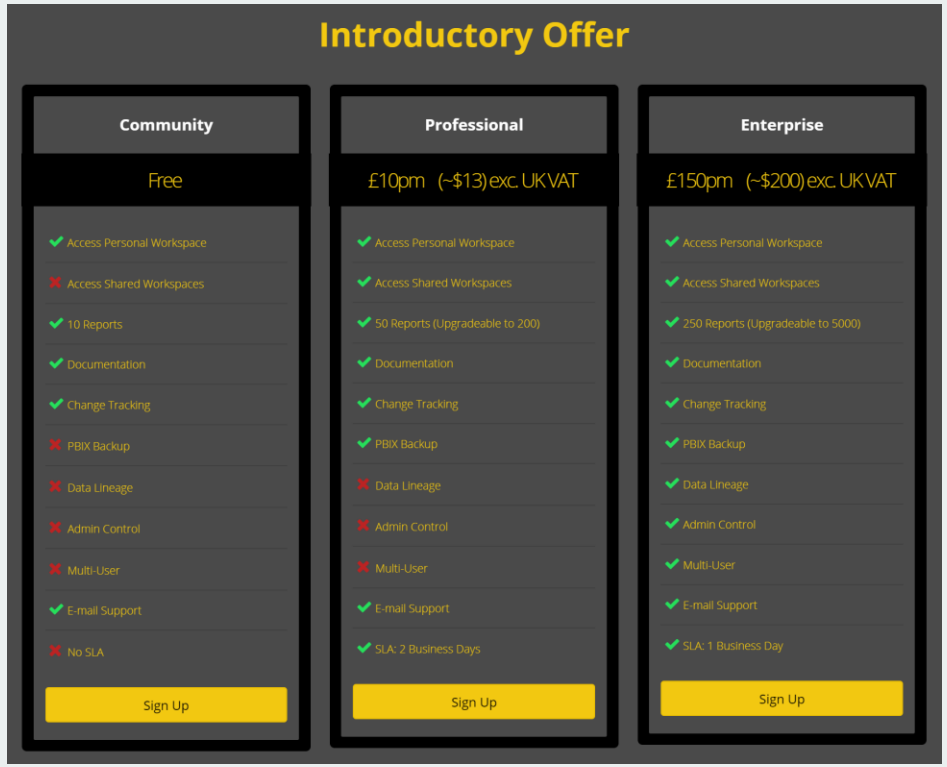
PS knowledge needed

Power BI Admin perms provide best results

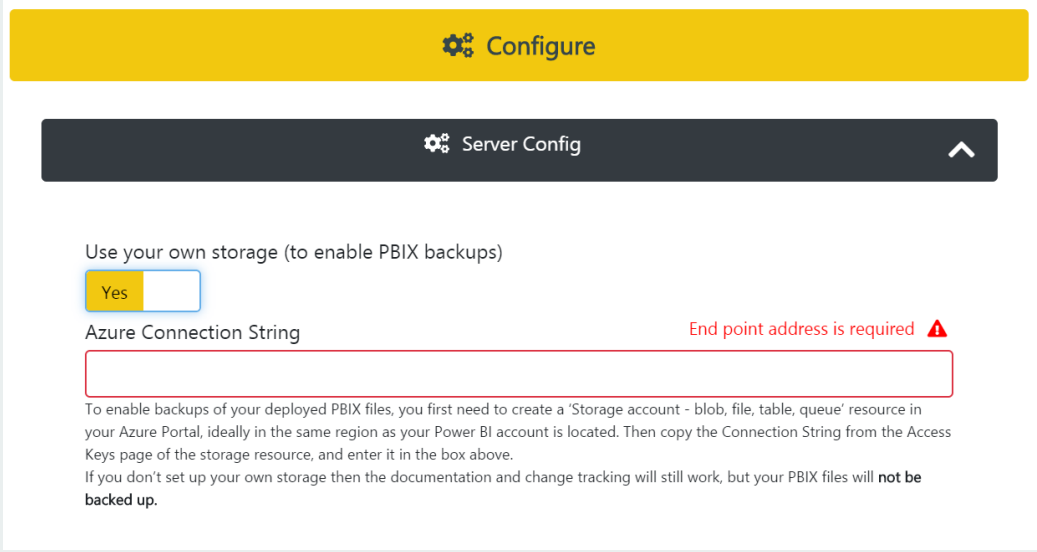
Business User

Developer / Programmer

Power BI Sentinel

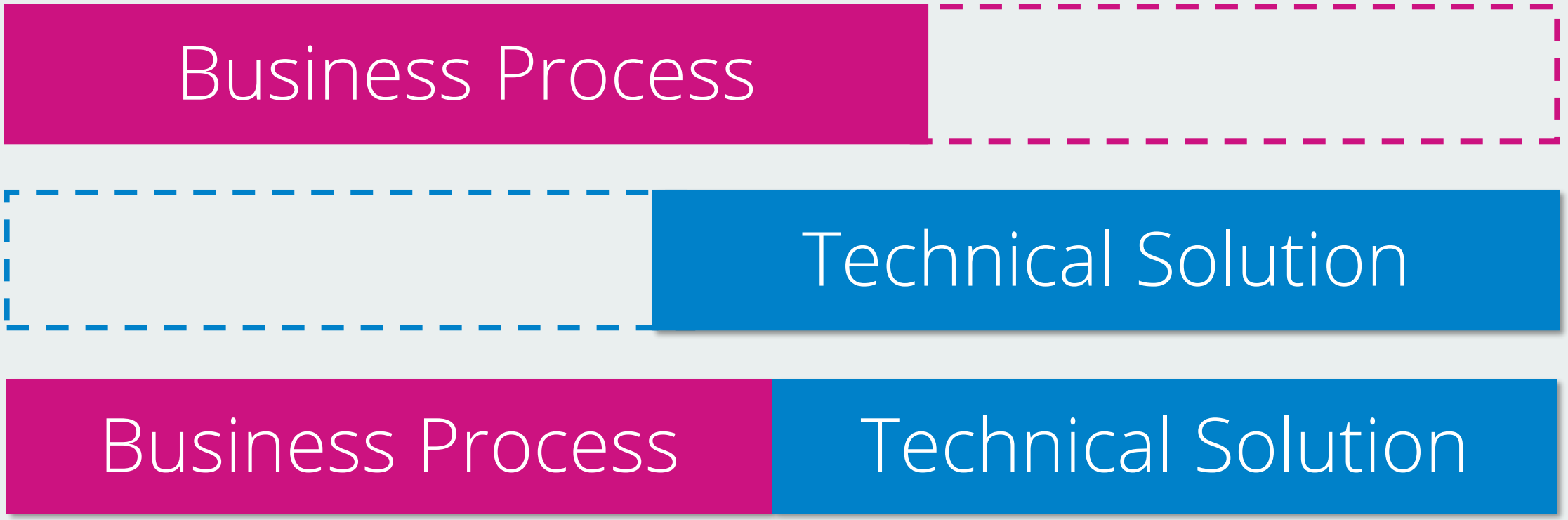


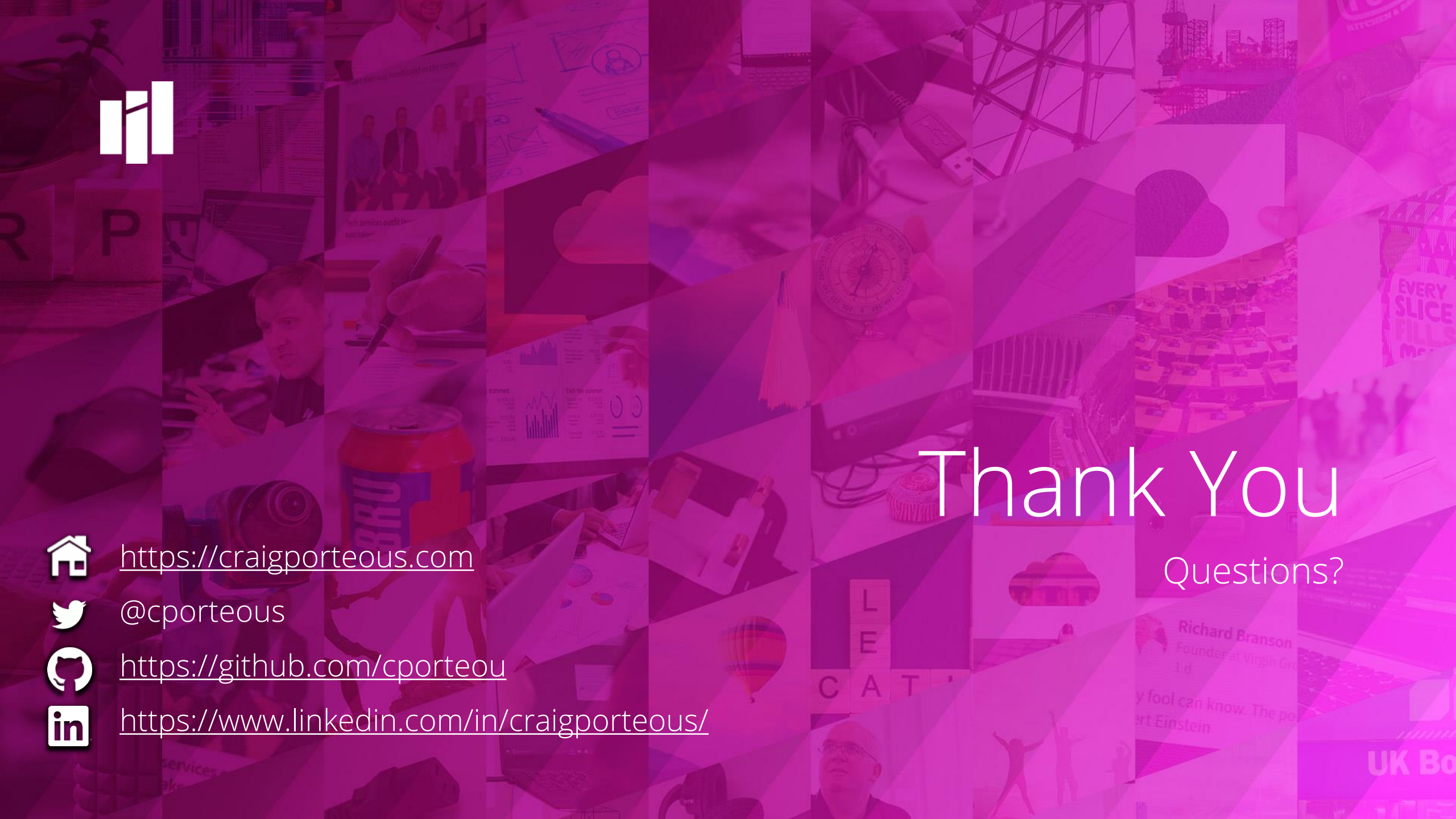
Configuration



Power BI Sentinel Demo

There is no golden bullet





Thank You

Questions?

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