



3* ways to bring Power BI under Source Control

Craig Porteous



<https://craigporteous.com>



@cporteous

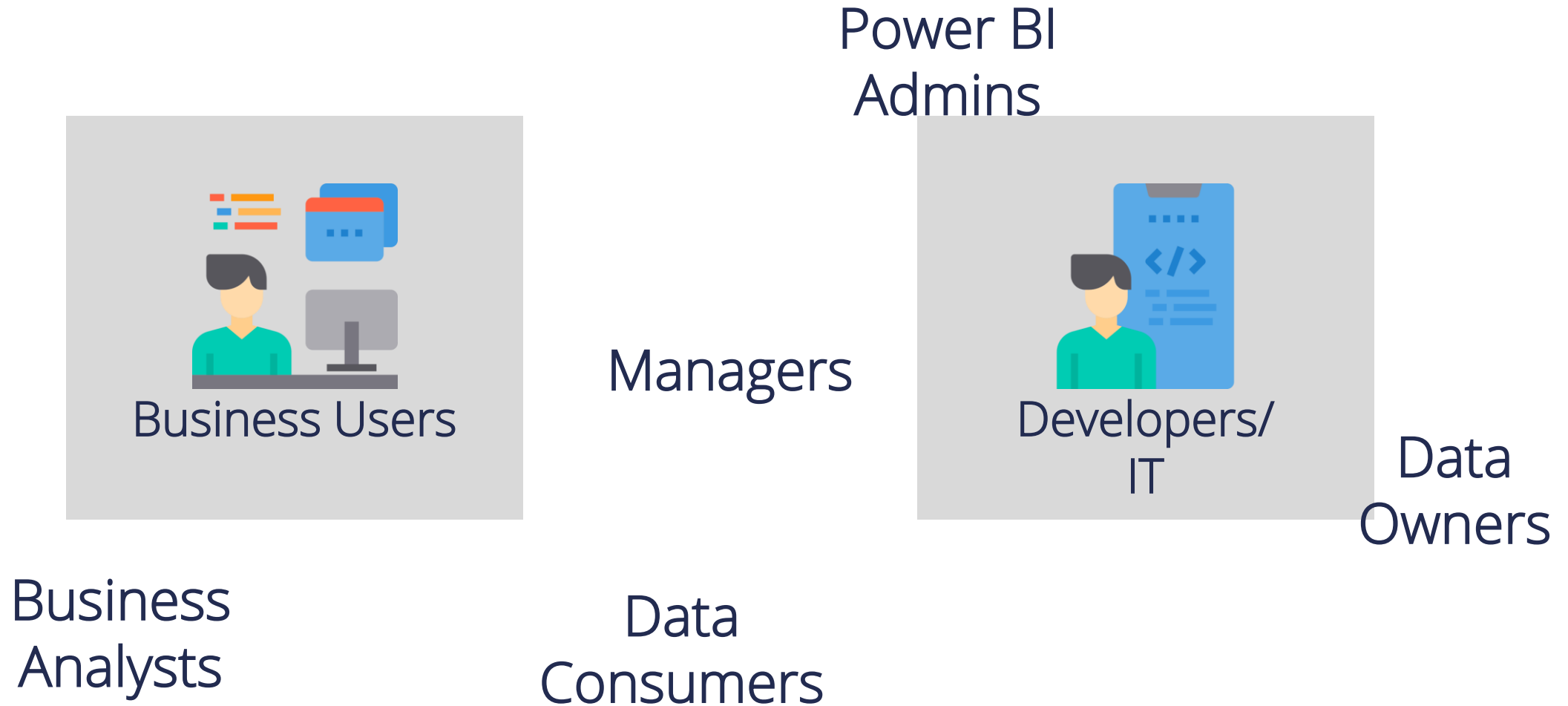


<https://github.com/cporteuou>



<https://www.linkedin.com/in/craigporteous/>

Who is this session for?



- What is Source Control?
- Why is it relevant?
- How does it work with Power BI?
- What are the options?

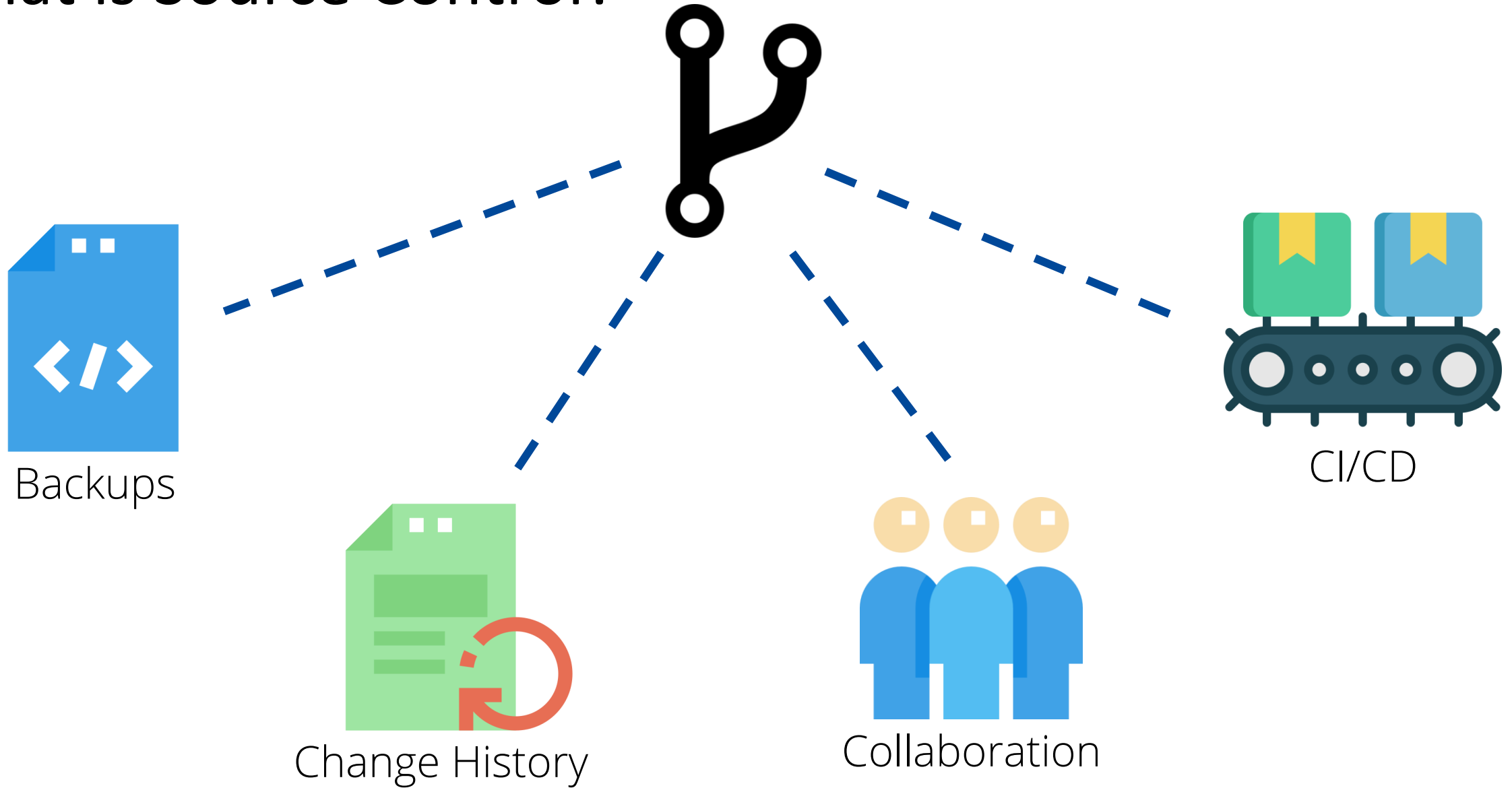
What is Source Control?



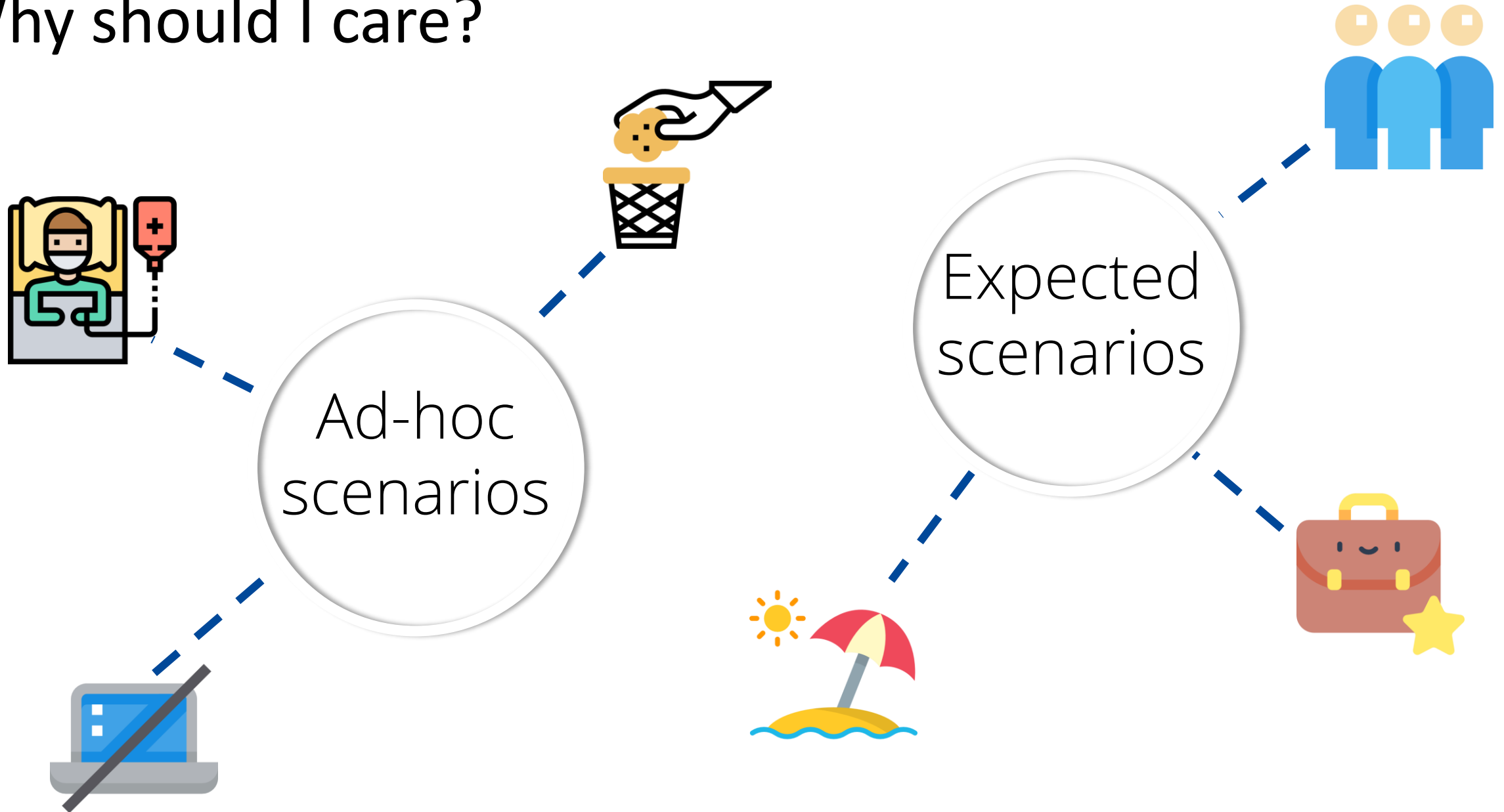
Also known as revision control or version control, is **the management of changes** to documents, computer programs, large websites, and other collections of information.



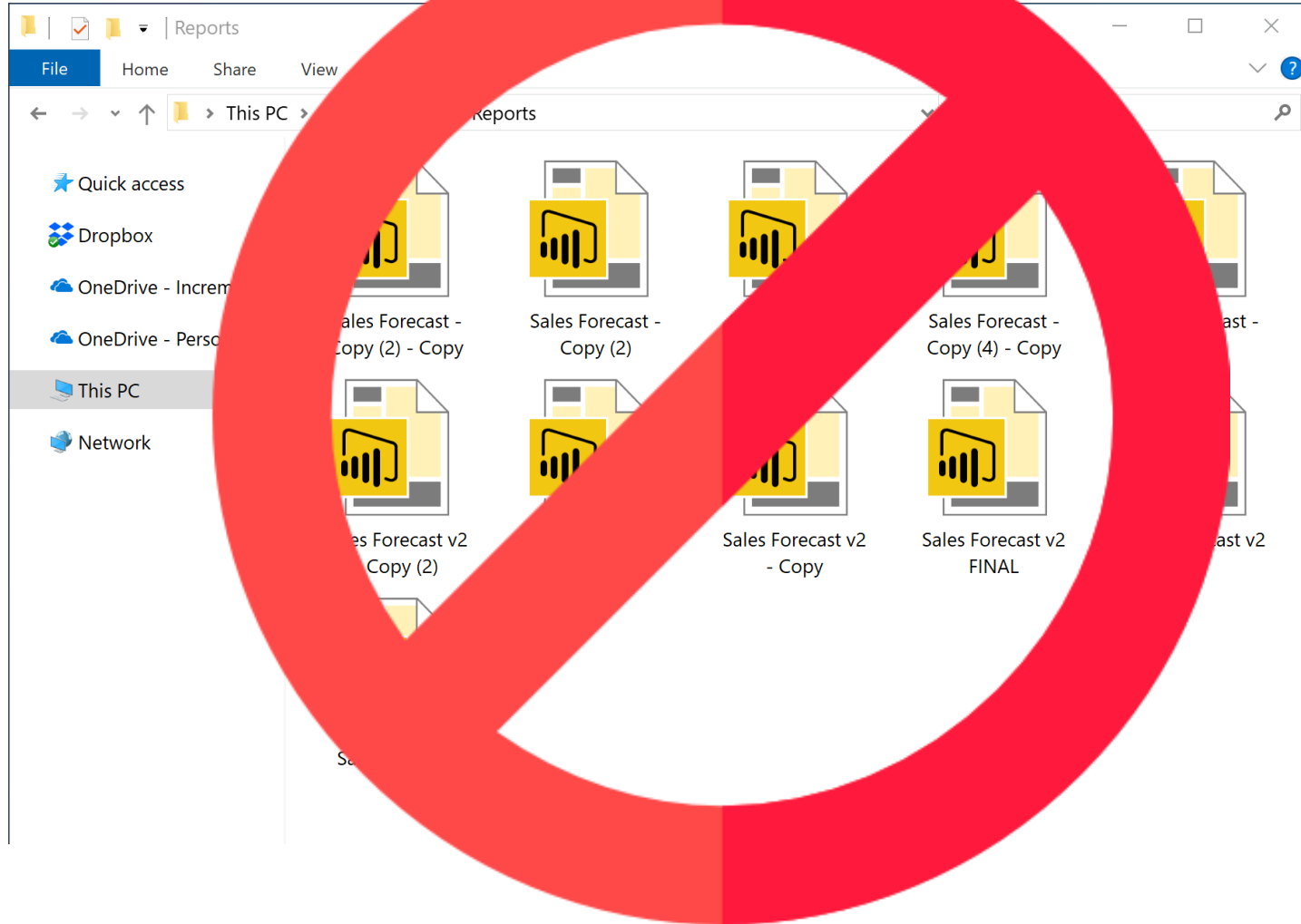
What is Source Control?



Why should I care?



DIY Source Control





Power BI Under Source Control

Why it doesn't work with Power BI

May not know or care about Source Control.



Business Users



Power BI

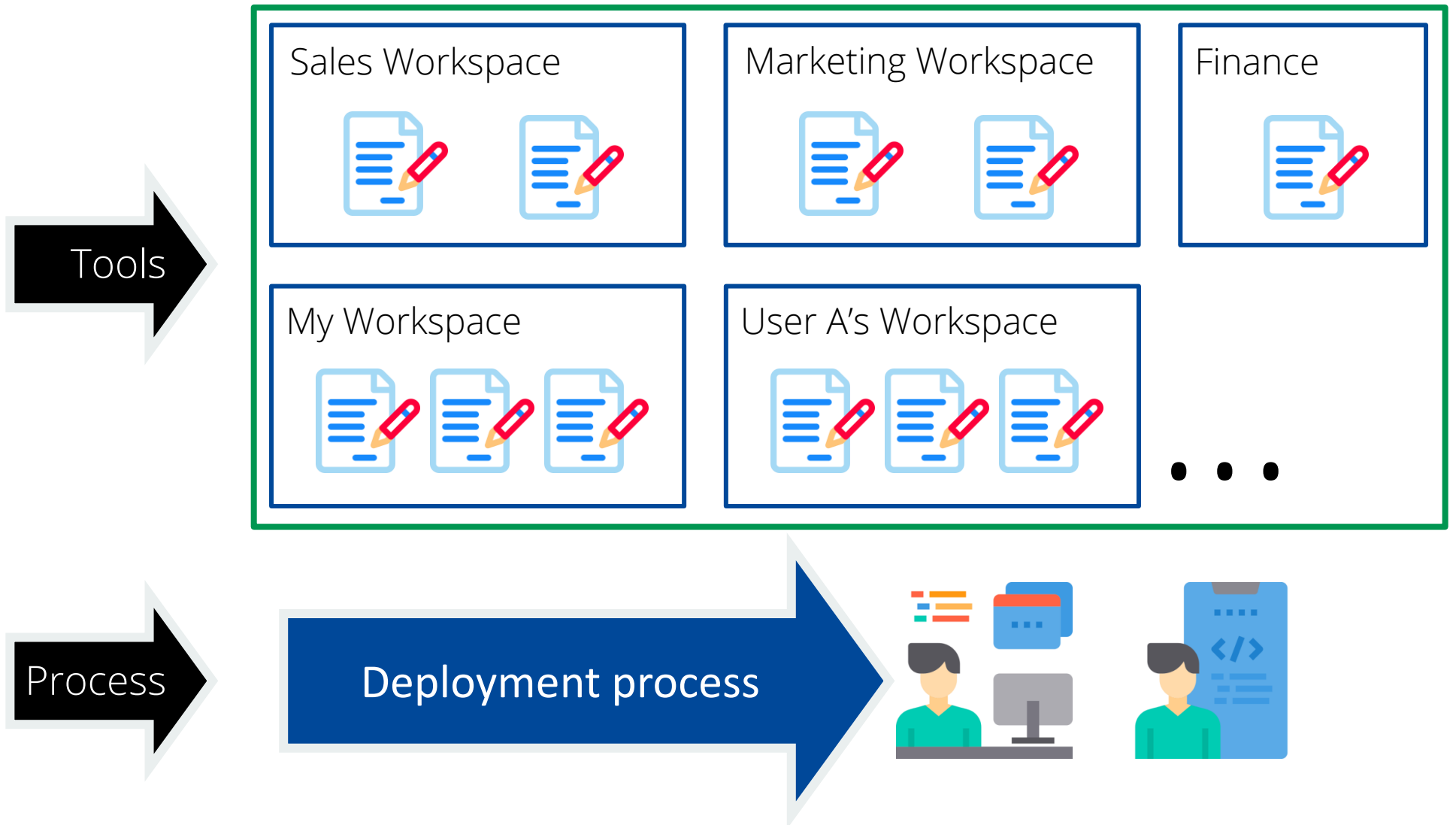


Developers/
IT

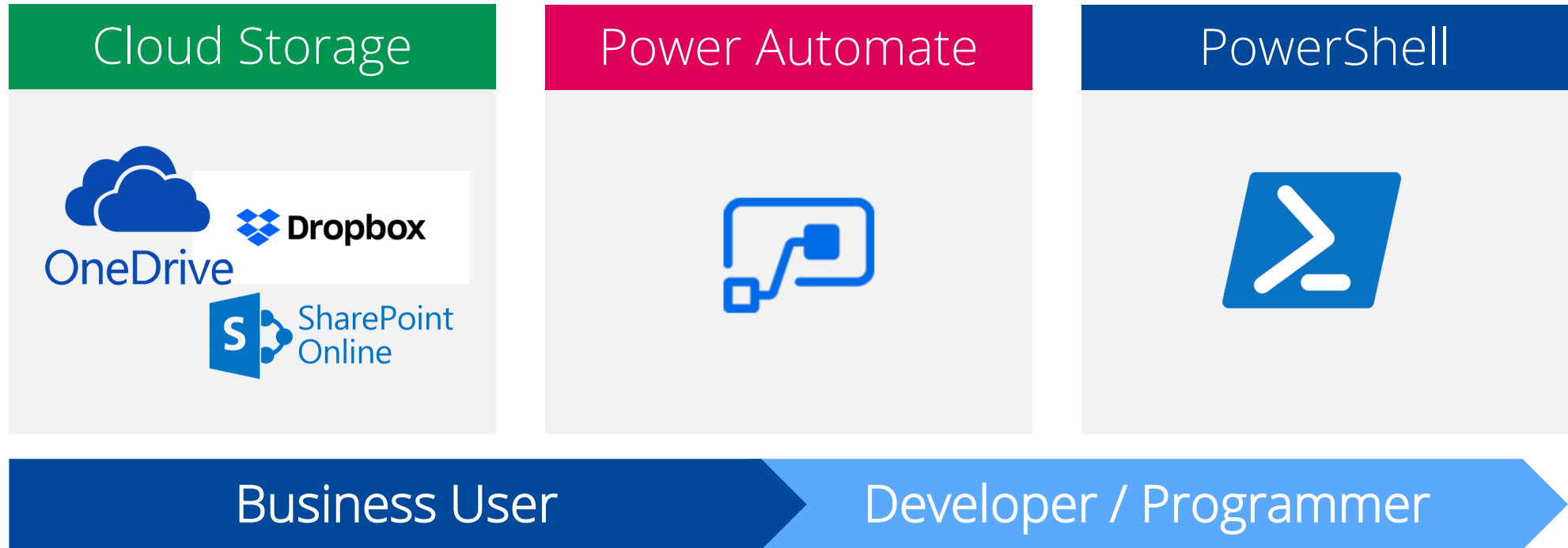
Don't have control over all deployed content.

No source control
management
built-in

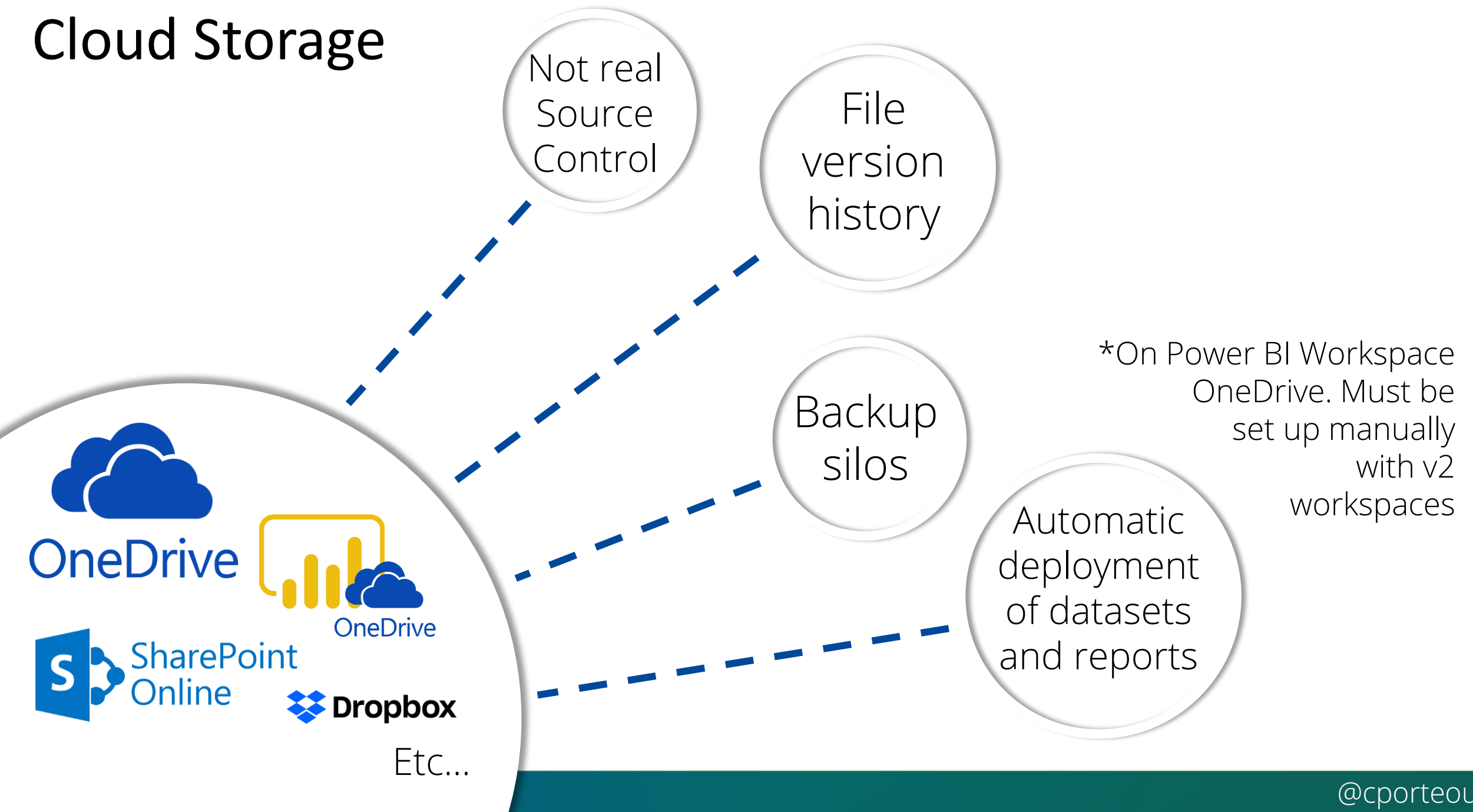
What can we do?



How do we do it?



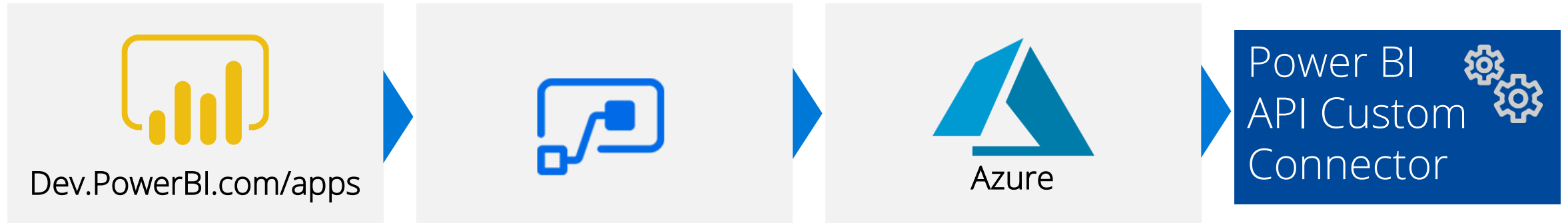
Cloud Storage





Cloud Storage Demo

Microsoft Power Automate Setup



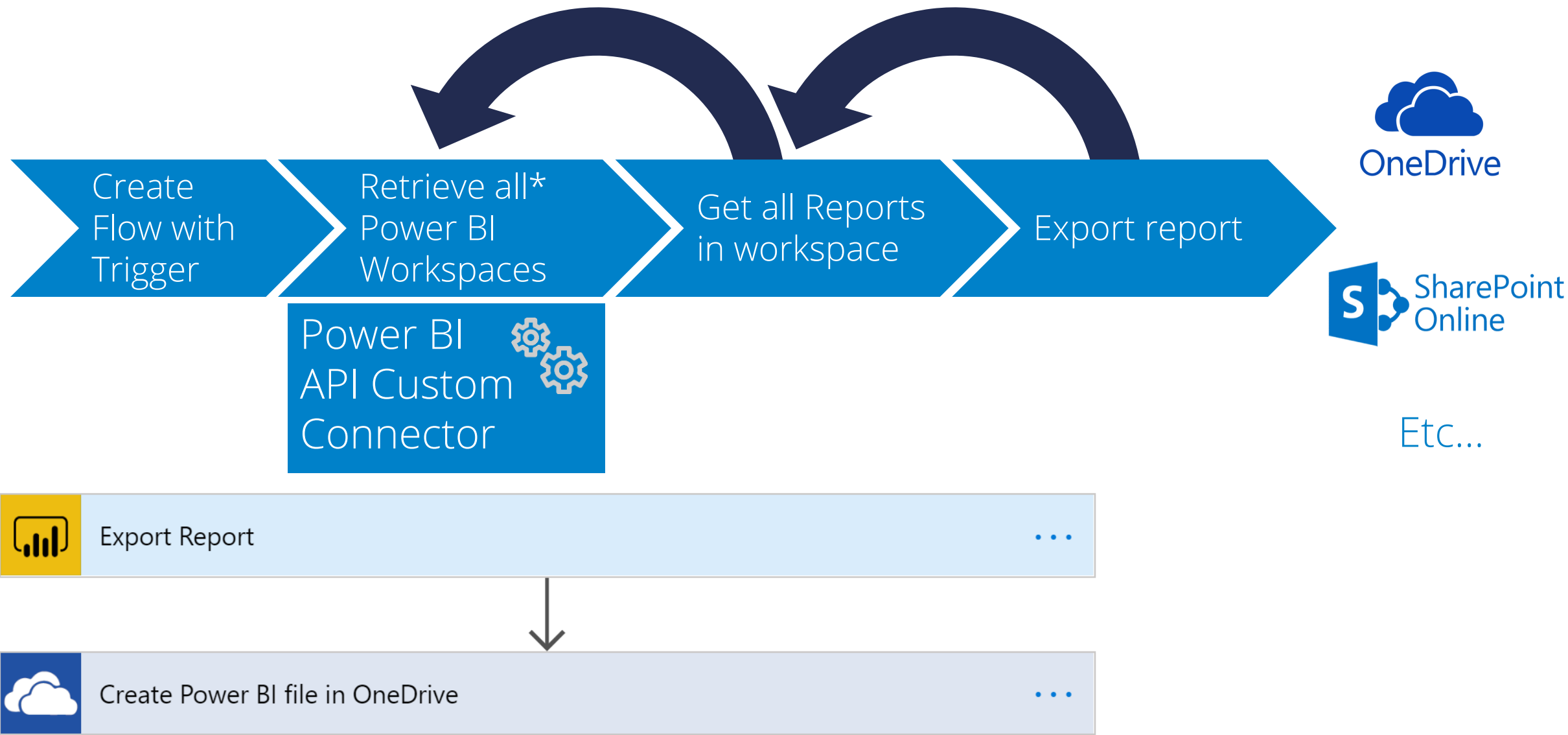
Flow Custom Connector:

Ida Bergum

<https://www.idabergumdata.com/>

Using Power Automate

*Works best using a Power BI Administrator





Power Automate Demo

At scale

*Must use a Power BI Administrator

...  x1000+ ?



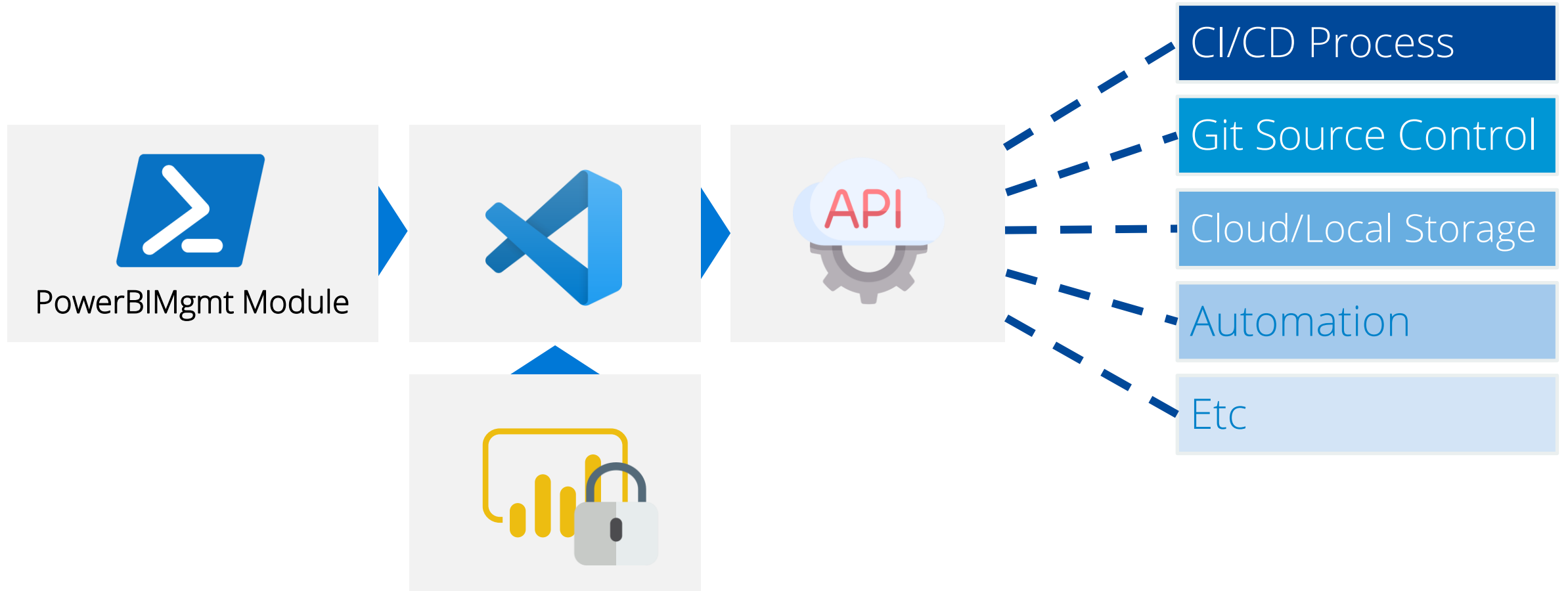
Steve Howard - Microsoft Flow with O365 Mgmt API Webhook

<http://angryanalyticsblog.azurewebsites.net/index.php/2019/06/01/power-bi-governance-approve-reject-all-dataset-creation-in-your-tenant/>



Power Automate Webhook Demo

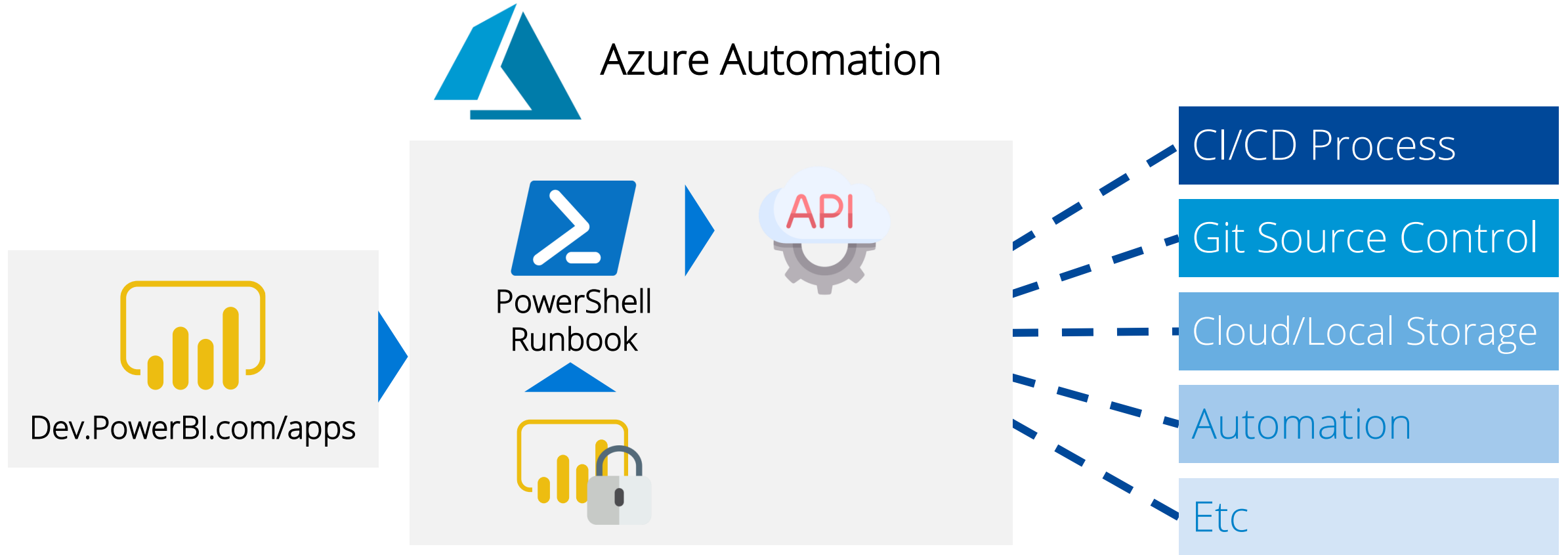
PowerShell





PowerShell Demo

Automating PowerShell



Craig Porteous – REST API Automation with PowerShell and Azure <https://craigporteous.com/rest-api-automation-with-powershell-in-azure/>

Cloud Storage



Simple

Easy to implement

*Power BI integration

Not true Source Control

Not Enterprise solution

Requires user process

Power Automate



Easy to use

Powerful

Many more capabilities

Initial setup difficult

Load restrictions

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

Power BI Sentinel

Power BI
Sentinel

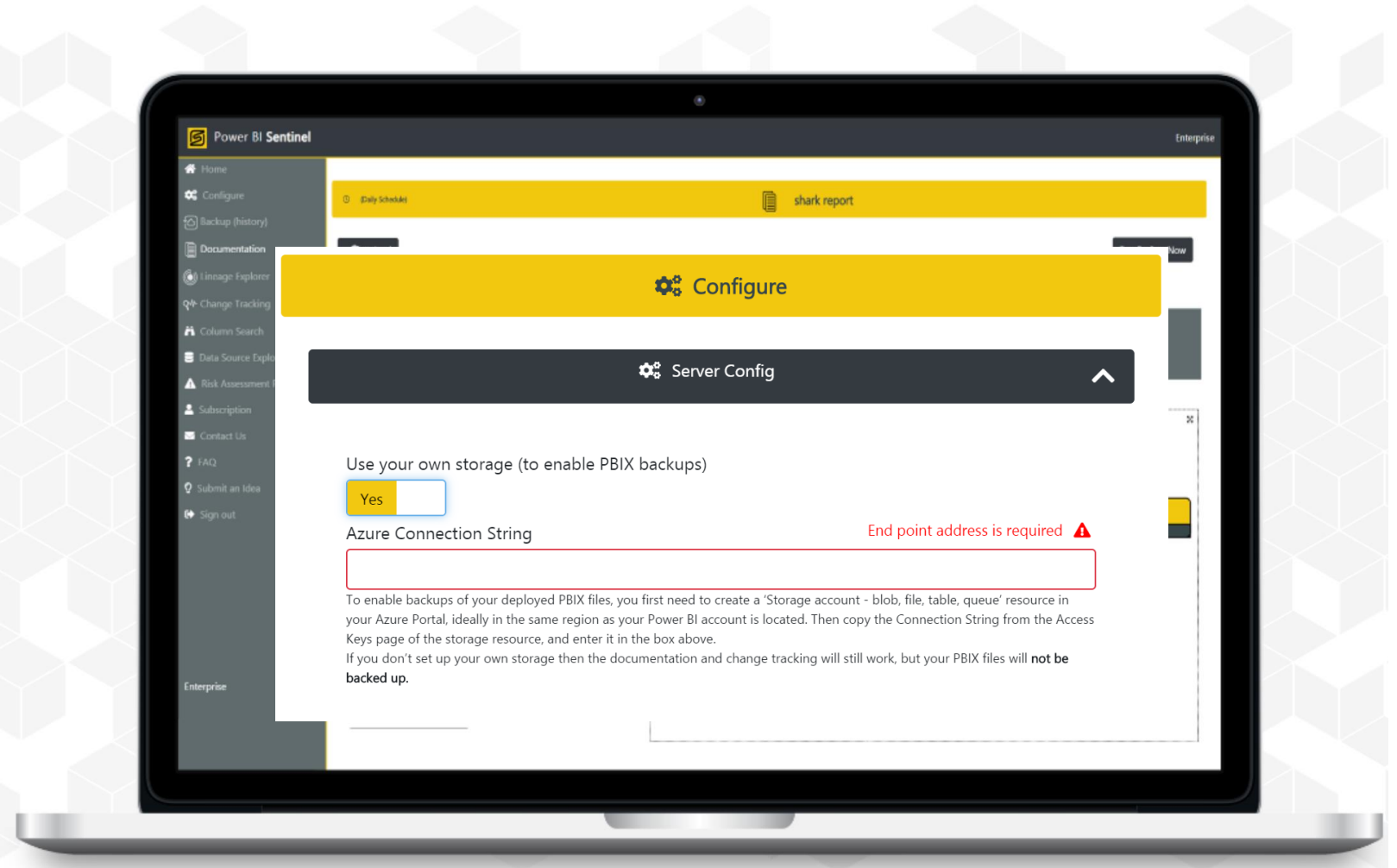


Easy to use

Extensive features

Only way to do
change tracking

Paid solution



There is no golden bullet

Business Process

Technical Solution

Business Process

Technical Solution

Thank You



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<https://github.com/cporteous>



<https://www.linkedin.com/in/craigporteous/>