A journey from Power Apps to governance (The Power Platform)
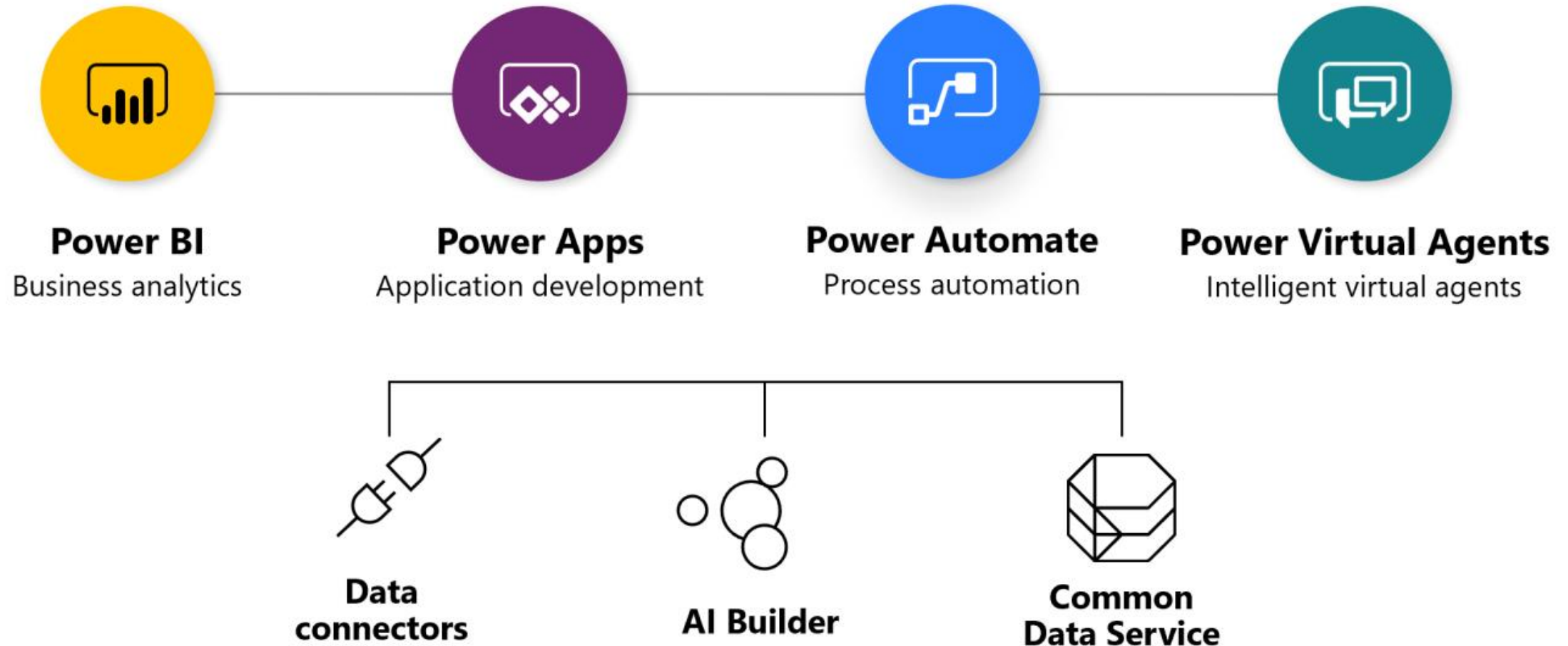
Azure Meetups · 28. August 2020

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Agenda

1. The Power Platform
2. Power Apps & Flow
3. Custom Connectors and Security
4. When to use the Power Platform
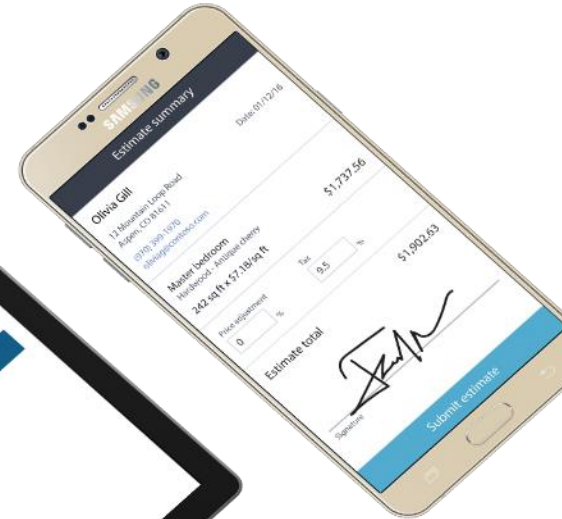5. Power Virtual Agents
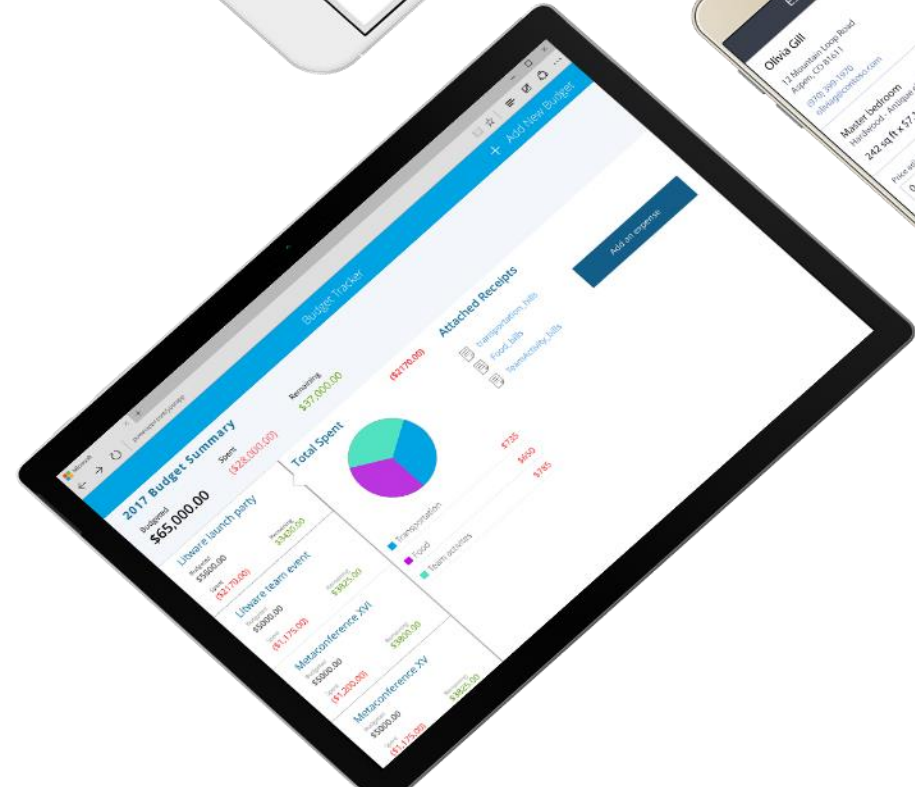6. Governance (PowerShell, CoE)
7. Q & A

Publish apps instantly

Get apps to your team when and where they're needed, whether that's on the web, Windows, iOS or Android.

No app store required for your apps!
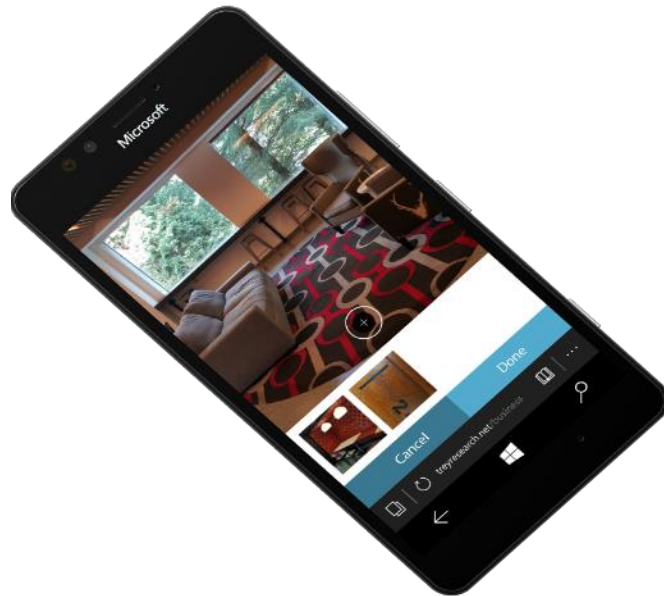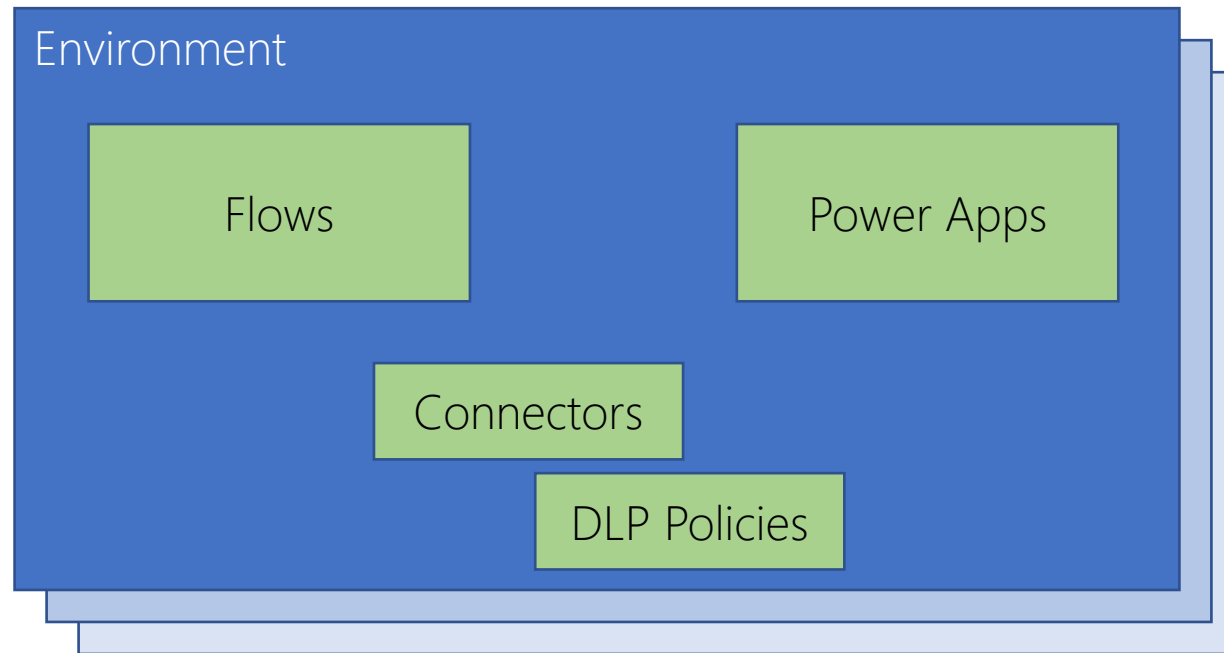
PPAC

The new admin portal

Power Apps & Flow

Types and samples of no code / low code / citizen development projects

Device Order App

- Your buying department wants a process for users to order new hardware

- Only specific hardware shall be shown

- The manager shall approve or deny the request

- The sender shall get informed
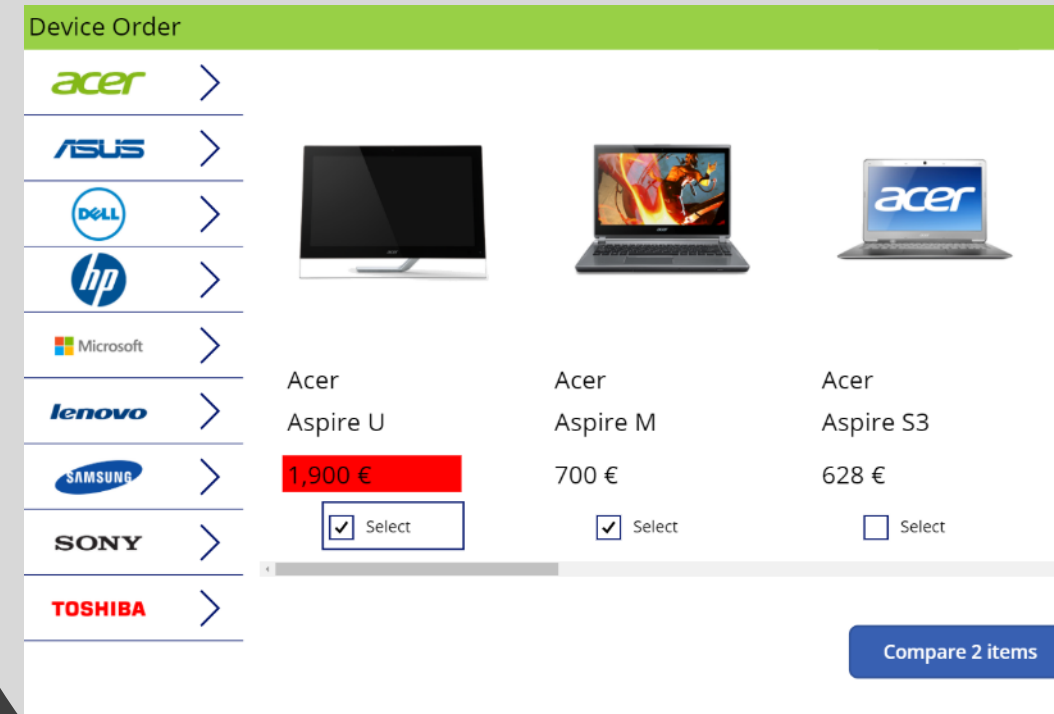
Custom Connectors

Connect your custom data sources

Custom Service APIs

REST APIs used to connect with 3rd party services

Authentication supports Basic Auth and OAuth 2.0.

Register the custom API using Swagger definition.

Use the function in PowerApps or Flow like any other function

When to use Power Apps & Co

Access
Work account or MSA
Every user must have a license

Standard Connectors
SharePoint, OneDrive, Excel, Outlook, Azure AD, etc.
Records < 500

Simple apps
Not too much screens & controls
Not too complex: dependencies …
Offline scenarios!

Guidance
Support your users with rules, training & best practices

When NOT to use Power Apps & Co

Access

External users
No license

Premium Connectors (key users)

HTTP, Azure SQL, SAP, Custom Connectors, Third party,...
Records > 500

Complex apps

Many screens & controls
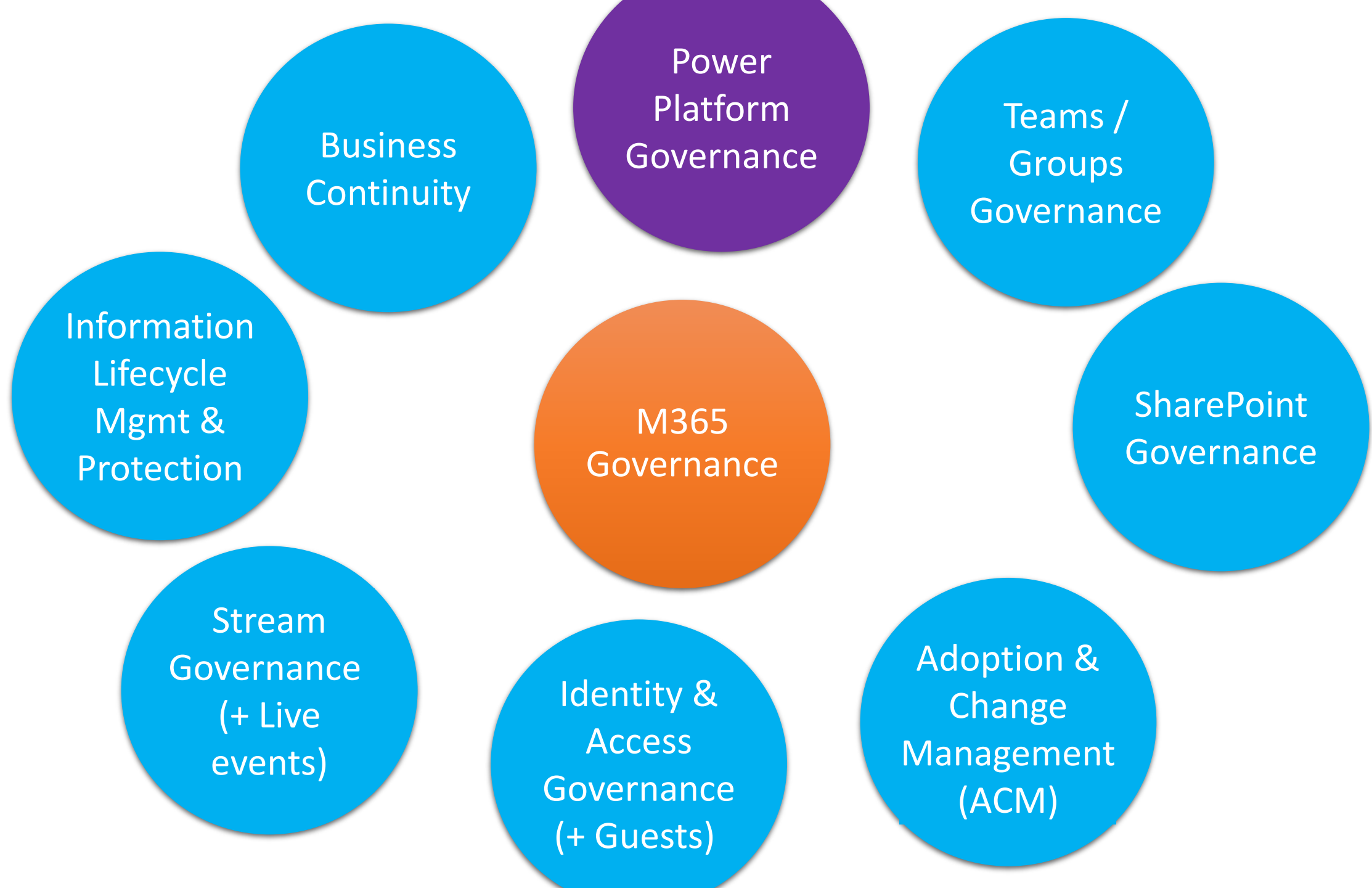Dependencies, Permissions

Performance

Power Apps are no native apps...

Power Virtual Agents

"Develop" your own bot with no code

What is IT governance?

"IT Governance is a process used to monitor and control key information technology capability decisions - in an attempt - to ensure the delivery of value to key stakeholders in an organization."

Best Practices

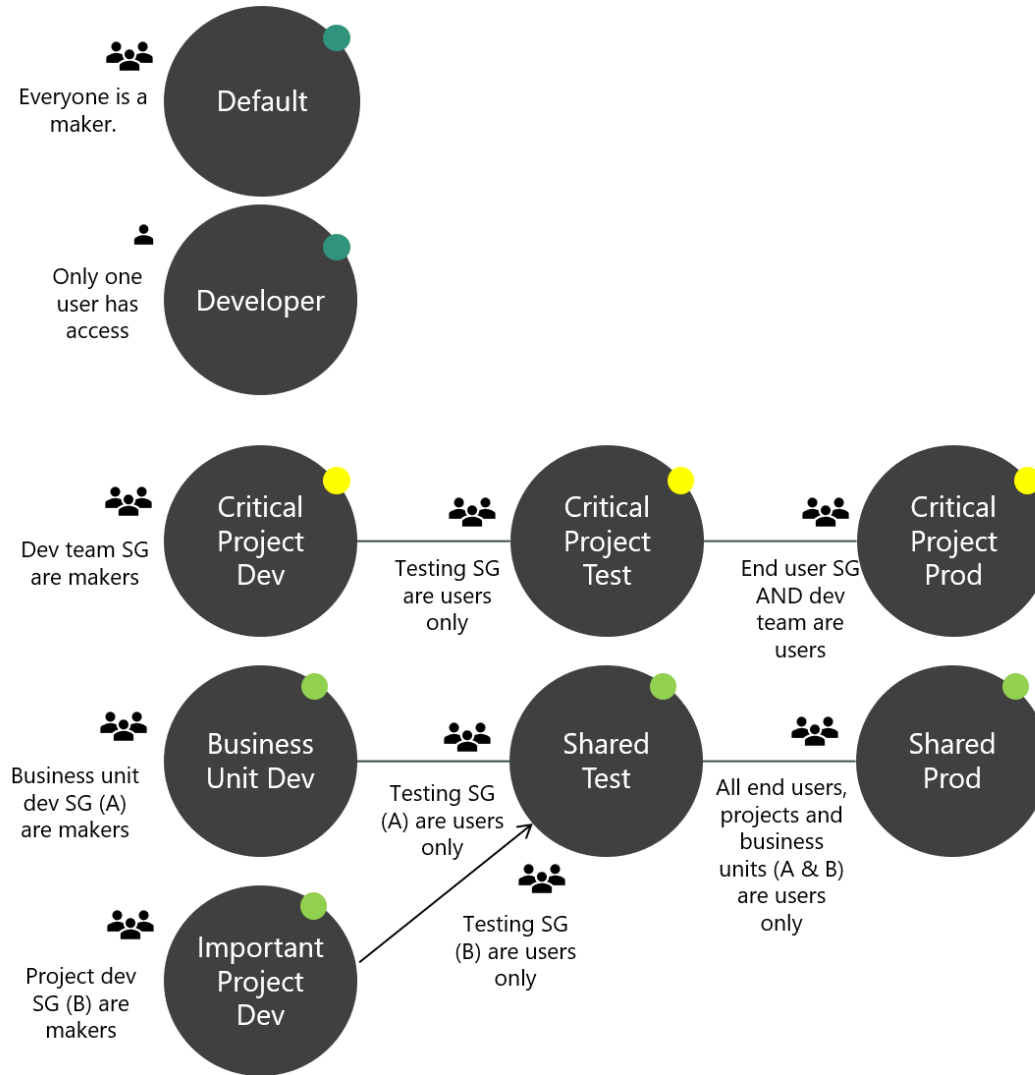|	
Environments Strategy	Types of Environments Dev / Test / Production Segregation
Policies for Connectors	Data Allowed / Blocked Standard / Premium
Activity Logs and Analytics	Usage Analysis
Automatic Audit processes	Outdated / Orphaned Flows and Apps App Classification
Makers Onboarding	Trainings & Templates

Example environment strategy diagram

Everyone is a maker.

Default

Only one user has access

Developer

Dev team SG are makers

Critical Project Dev

Testing SG are users only

Critical Project Test

End user SG AND dev team are users

Critical Project Prod

Business unit dev SG (A) are makers

Business Unit Dev

Testing SG (A) are users only

Shared Test

All end users, projects and business units (A & B) are users only

Shared Prod

Project dev SG (B) are makers

Important Project Dev

Testing SG (B) are users only

Communicate with everyone that **Default** is not for development of critical apps.

Developer environments are completely locked for any other user except the user who subscribed to the community plan. Applications can be moved out of the environment if needed.

Dedicated dev/test/prod environments for each critical application. Developers have Environment Maker access in the dev environment, but only user access in test and prod. End users only have end user access to the production solution so no one can modify the applications.

Shared test/prod environments for important but medium complex apps can be shared between multiple projects or business units.
Individual projects and business units should always have their own development environment to protect data. End users only have basic user access to solutions and data in production environments.

- 🟡 Critical project
- 🟢 Individual project
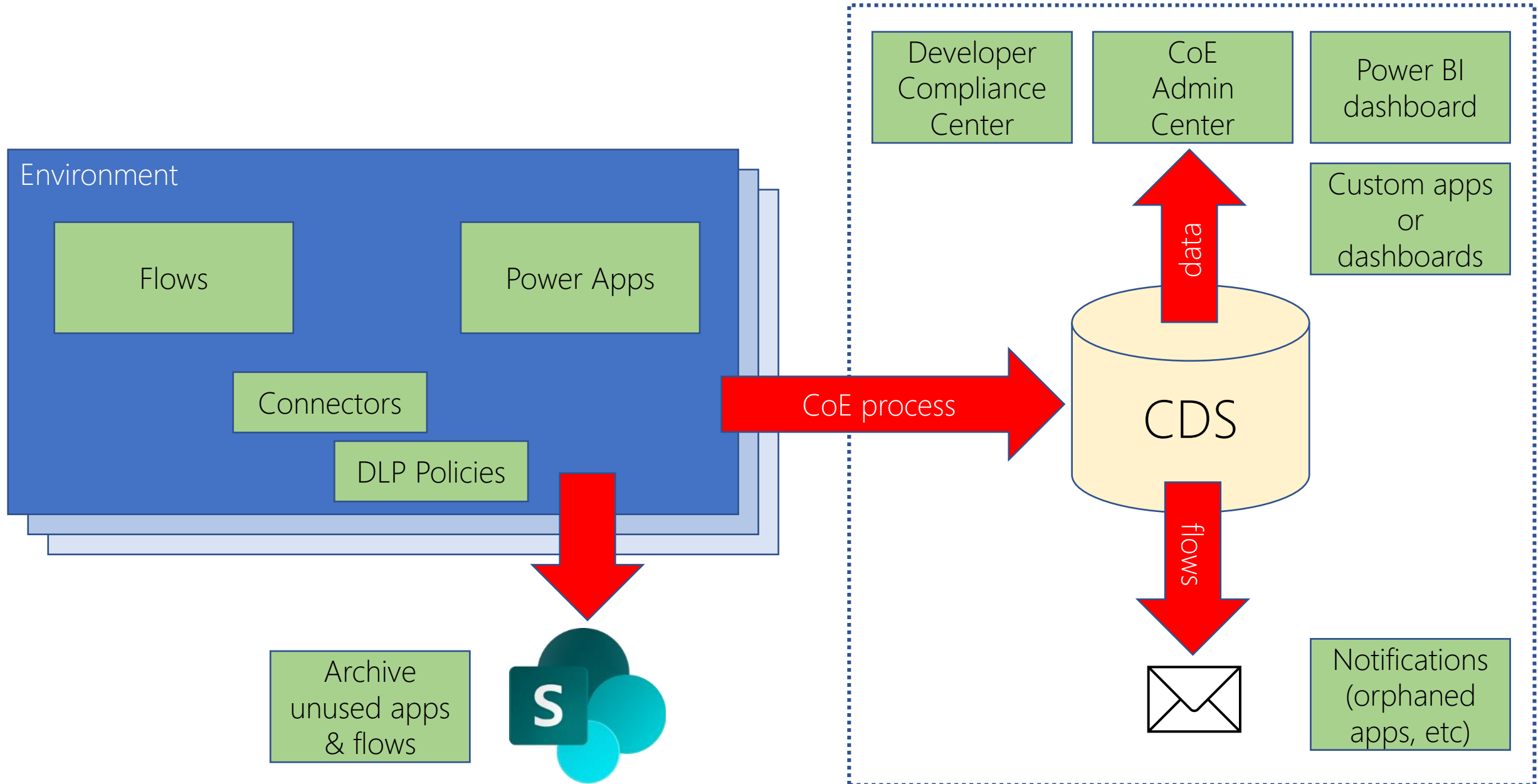- 🔵 Personal productivity apps

SG = Security Group

Managing environments and apps with PowerShell

Automation of the Power Platform

Center of Excellence (CoE)

Microsoft Add-On for governance of the Power Platform
Components of the starter kit …

CoE Architecture

Environment

Flows

Power Apps

Connectors

DLP Policies

CoE process

CDS

data

flows

Archive unused apps & flows

Developer Compliance Center

CoE Admin Center

Power BI dashboard

Custom apps or dashboards

Notifications (orphaned apps, etc)

IT Governance in the Power Platform

Develop a governance strategy (environments, policies...)
Install the CoE (reserve some time...)
Monitor & React (operations...)
Give guidelines & train your users (support your users...)

Summary
A journey from Power Apps to governance

- The Power Platform: Power Apps & Flow
- Custom Connectors
- When to use what
- Power Virtual Agents
- Develop a governance strategy (PowerShell, CoE)

Thank you!

Check it out!

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https://github.com/tonipohl/PowerPlatformGovernance