

ACCESS AND POWERAPPS

A GROWING RELATIONSHIP

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AccessUsergroups.org Lunchtime 2021-01-26

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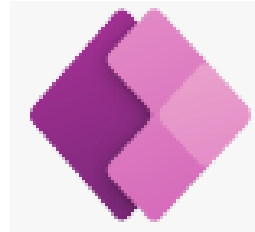
Access developer, MVP
Vienna, Austria, Europe
donkarl.com de, it

Access Developer Conference
AccessDevCon.com en

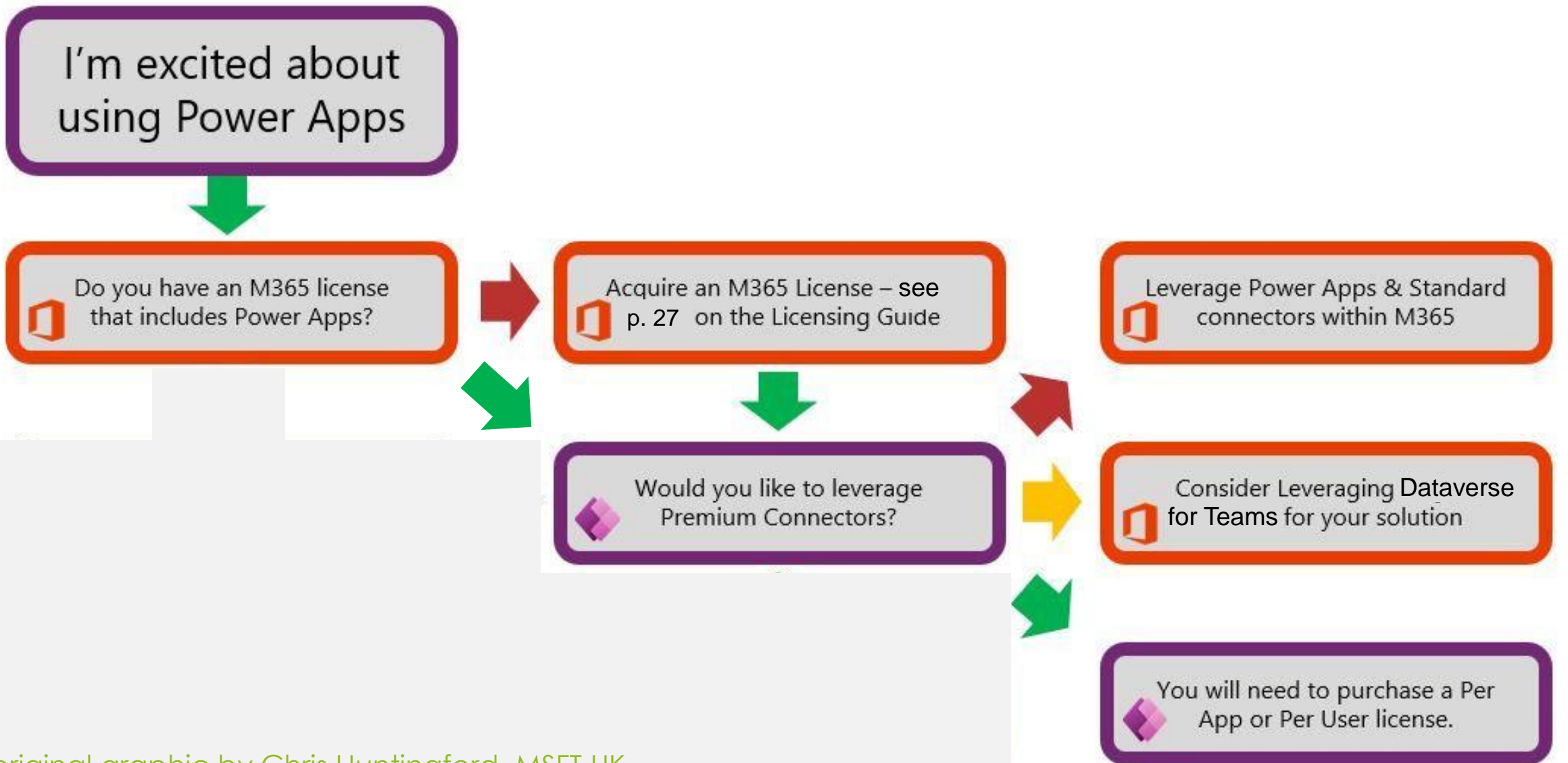
PowerApps
Intermediate level
Access/db view

IN TODAY'S SHOW

- Licensing
- Hybrid app
 - Sharepoint
 - Database use
 - Dev environment
 - ALM, Security
- Dataverse
- SQL Server (Juan Soto)
- Access and PA



LICENSING



LICENSING

[Licensing Guide](#)

[Pricing Website](#)

LICENSING – CONNECTORS

Standard	Premium
Excel	Dataverse
Sharepoint	SQL Server
Power BI	Oracle
Onedrive	MySQL
Bing Maps	Informix
Azure AD	DB2
Edifact	MS Graph Security
Dropbox	Salesforce
Google Drive	SAP
GitHub	Stripe
...	...

(On premise Data Gateway)

LICENSING – FREEBIES

Power App trial account

Per user plan

30 days

Community plan

developer environment

single use, not shareable

size limits e.g. 200 MB database

HYBRIDE APP

Demo

DEVELOPMENT

- ~200 Functions
- Variables and collections
- No real loops
- No real code editor (+/-)
- Debugging
 - Expression bar, viewer for variables/collections, app checker
 - Monitor (dev+users)
 - Connect with Azure Application Insights

ALM

- Environments
- Dataverse Solutions
- Export/Import Apps
 - zip, msapp
- Source code files for Canvas apps (beta)
- ALM basics with Microsoft Power Platform
- Usage Analytics
- Power Apps Admin Center

SECURITY

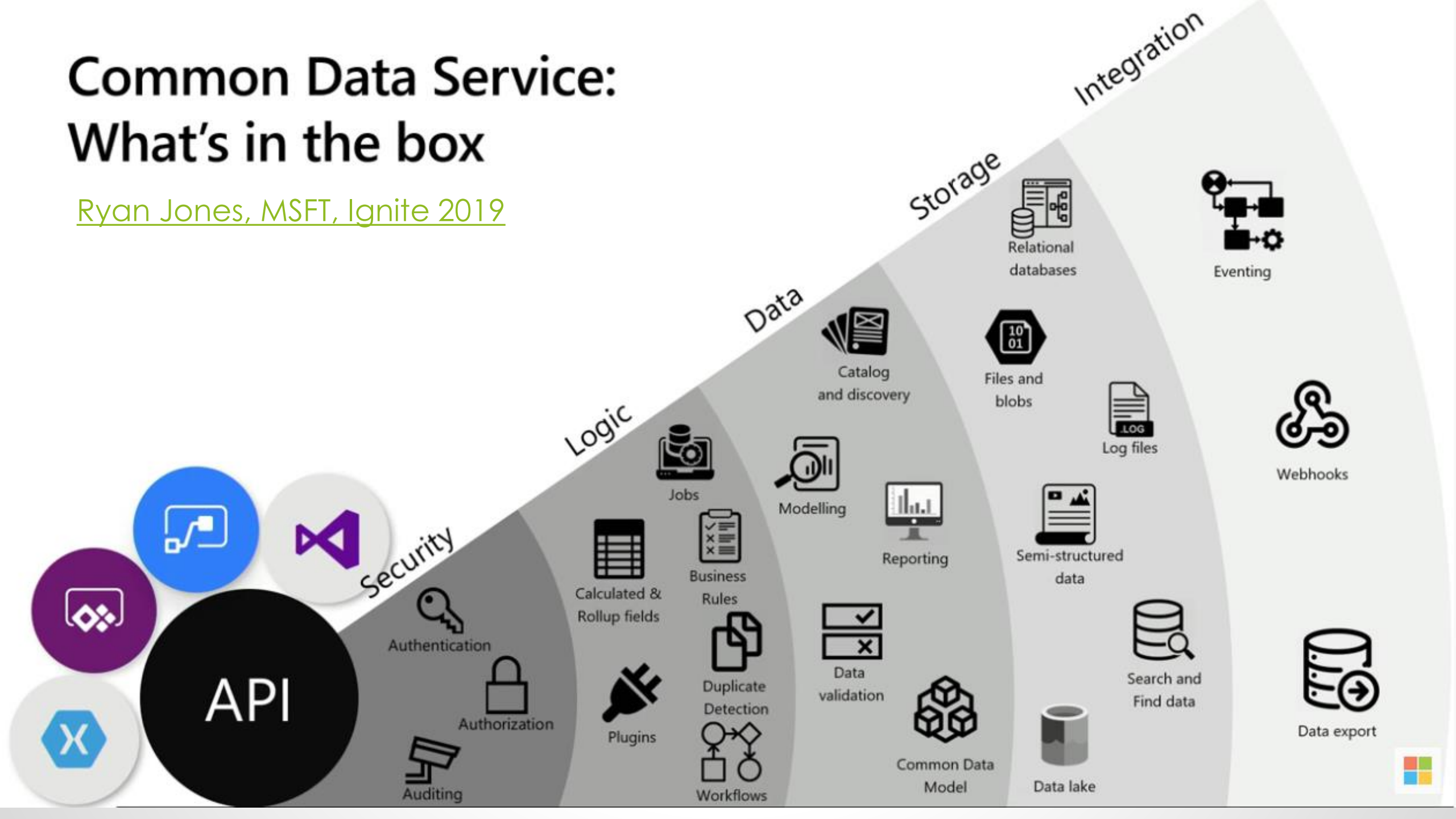
- Azure AD
- Share app
 - M365 tenant users + groups
 - Owner, co-owner, user
 - Guest users – only browser, not mobile
 - Share data
- Control UI and data
 - User().FullName/Email
 - Connectors for Azure AD, Microsoft Graph Security
 - Dataverse security roles

DATAVERSE

Demo

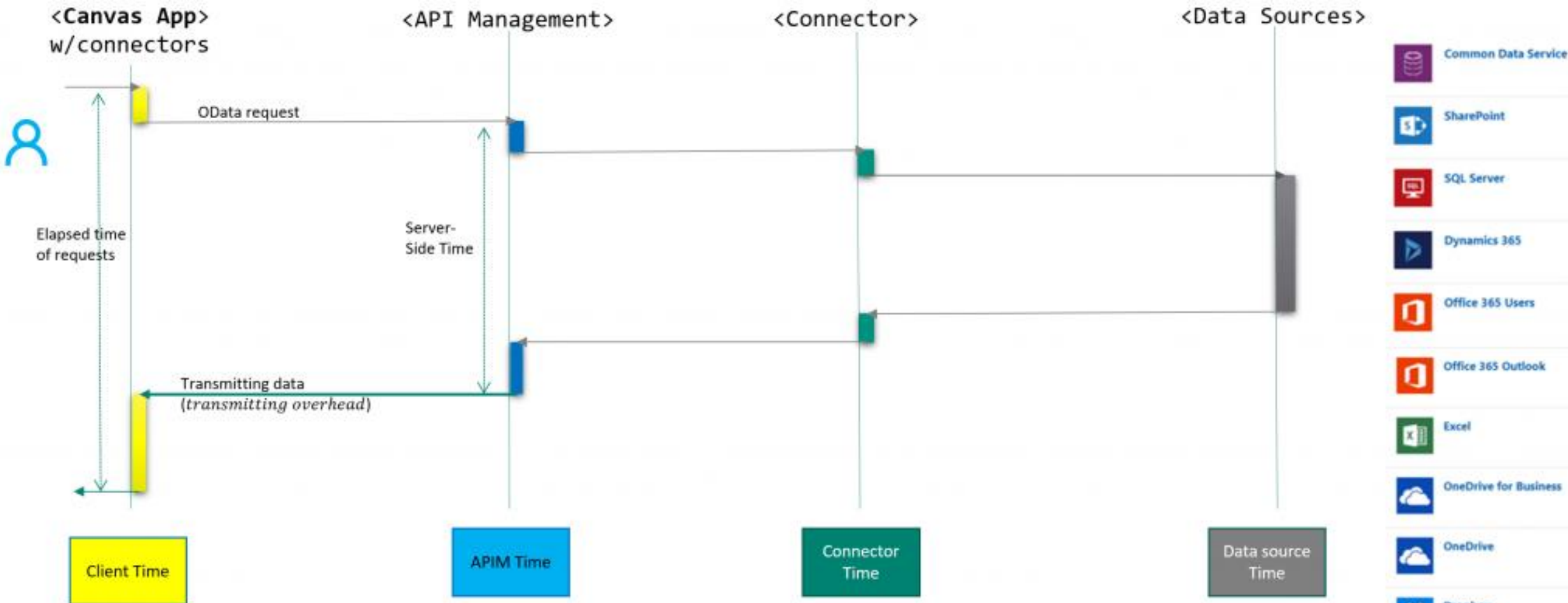
Common Data Service: What's in the box

[Ryan Jones, MSFT, Ignite 2019](#)



PERFORMANCE – CONNECTORS

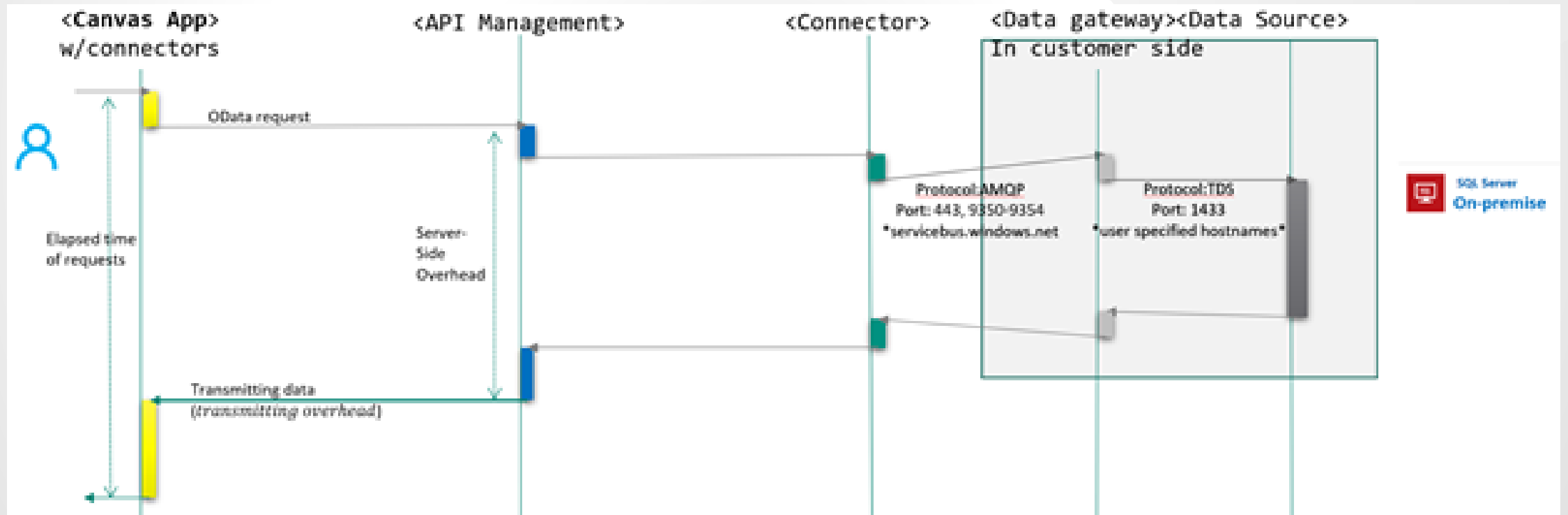
[Microsoft PowerApps blog](#)



$$UX\ timetaken = \sum_{i=1}^n (Layer\ Time) + transmitting\ Time$$

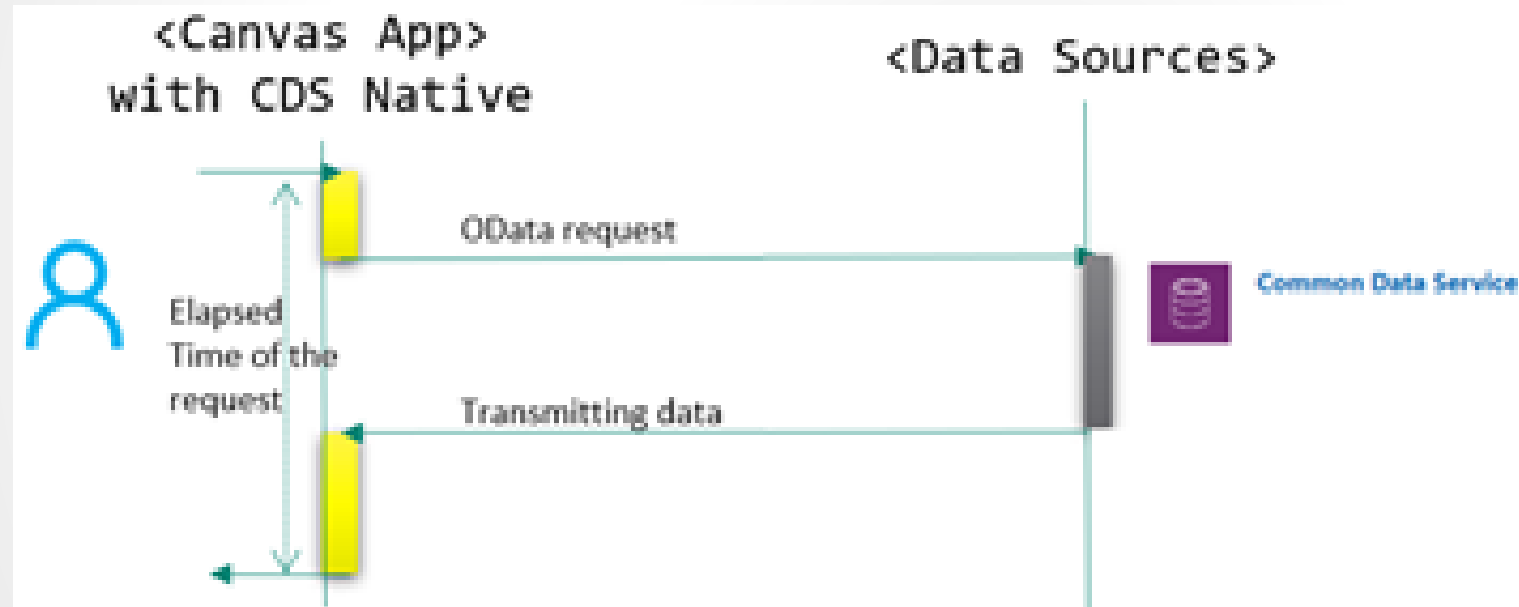
PERFORMANCE – DATA GATEWAY

[Microsoft PowerApps blog](#)



PERFORMANCE – DATAVERSE NATIVE

[Microsoft PowerApps blog](#)



DATAVERSE FOR TEAMS

- No additional cost
- 2 GB ~ 1 Mio records
- Apps accessible in Teams+Teams Mobile
- Dev environment and datatypes reduced
- Differences Dataverse – DfT
- PA and Teams integration
- Create apps in Teams

SQL SERVER

Juan Soto

RESSOURCES

- [Power Apps documentation and learning resources](#)
- [Power Apps Community](#)
- [Microsoft Canvas Power Apps from Zero to Hero](#)
Rory Neary's (MVP) free course with ~240 videos
- Youtube videos of Power Platform MVPs
 - [April Dunnam](#)
 - [Reza Dorrani](#)
 - [Shane Young](#)
 - ...

ACCESS – POWER APPS

Competition	Complementation
young, novice devs, “citizen developer“	hybrid apps
thin clients	Sharepoint, SQL Azure
mobile/tablet first	Dataverse connector <u>planned for 6/2021</u>
modern features: AI, geospatial, barcode, photo, video, Power BI, connectors...	Access developers: extending/modernizing RAD toolset