

Kiitos, thank you our dear sponsors...



INNOFACTOR®

ShareGate:

Hello!



Timo Pertilä Consultant, Microsoft MVP

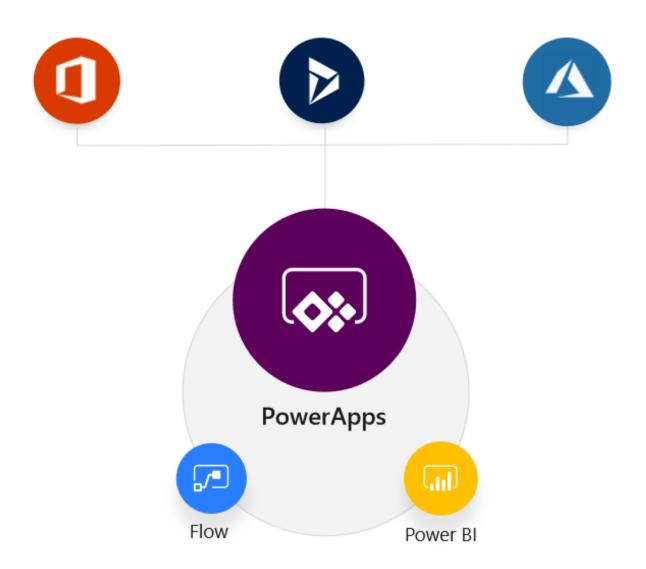
https://timopertila.com https://twitter.com/timopertila

timo.pertila@digitalillustrated.com



The Microsoft Power Platform

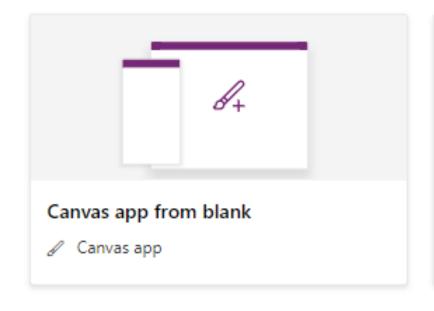
One high productivity platform that spans Office 365, Dynamics 365, and standalone applications

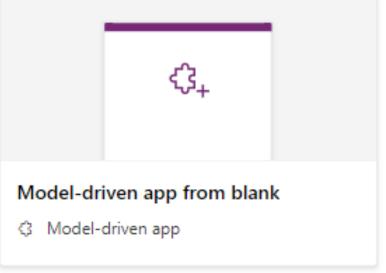


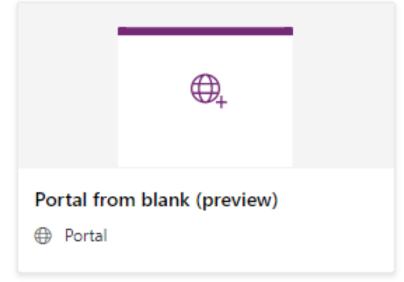


There are actually 3 different kind of PowerApps

Make your own app

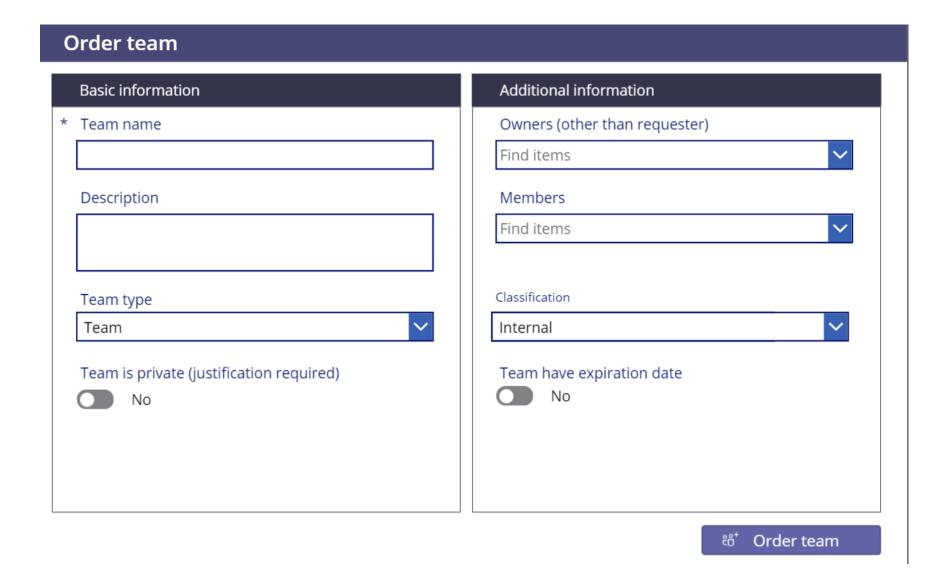








Canvas / Model-driven / Portal PowerApps







Licensing model changes. Again.



Licensing summary (starting from 1.10.2019)

PowerApps plans

PowerApps per app plan



Licensed by app \$10 user/app/month

Allow individual users to run a **single application** for a specific business scenario based on the full capabilities of PowerApps PowerApps per user plan



Licensed by user \$40 user/month

Equip users to run **unlimited applications** based on the full capabilities of PowerApps

Seeded PowerApps



Licensed through Office 365 & Dynamics 365

Extend and customize Office 365 and Dynamics 365



What does it mean in practise?

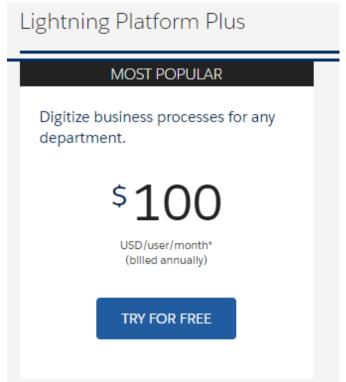
- PowerApps plan required when having
 - Gateway(s)
 - Premium connectors (Azure services, PowerApps notifications, http-requests)
 - Common Data Service
- No sense to use SQL anymore -> go with CDS if you need real DB
- Daily Power Platform API request limit for every user
- Makers and admins don't need any PowerApps plan

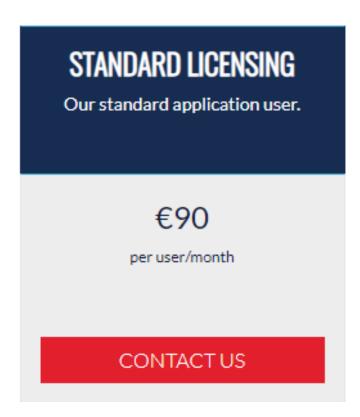


Expensive or not?

Figure 1. Magic Quadrant for Enterprise Low-Code Application Platforms







Source: Gartner (August 2019)





Example: Delegation supported



Give me all stores where location = Helsinki

Here you are. All 5000 stores located in Helsinki



50 000 items

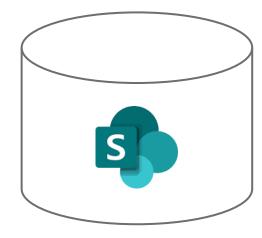


Example: Delegation not supported



Give me all stores location containing string "Helsinki"

Here are 500 first stores. Please find what you want by yourself

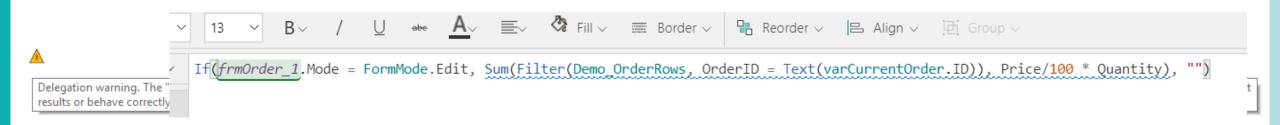


50 000 items



Delegation support depends on used...

- Data source (SharePoint, SQL Server, Dynamics 365, CDS for Apps, Excel, Google Sheet...)
- Function (Filter, Search, LookUp, Sort...)
- Predicates (Not, In, StartsWith, +, -, <, <=, =...)



Read: https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/delegation-overview



Do I have more than 500 items? Ever





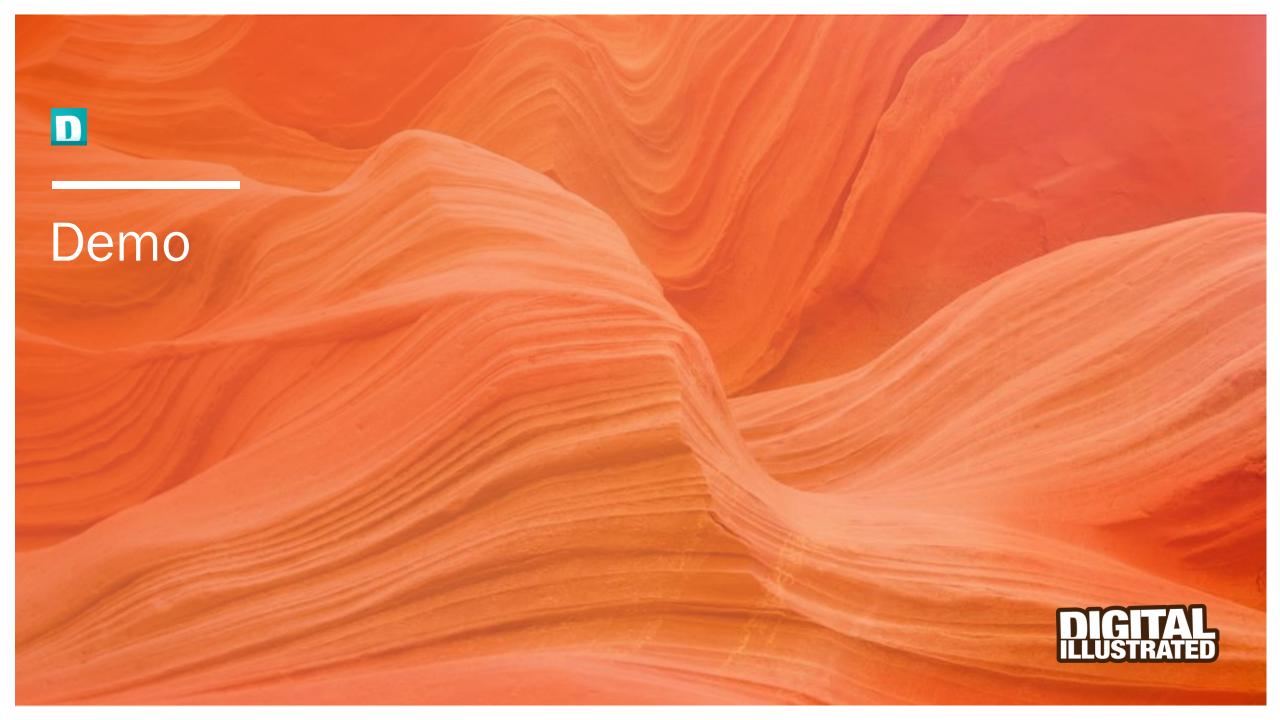
But I have 50 000 items in SharePoint. Can PowerApps handle it?

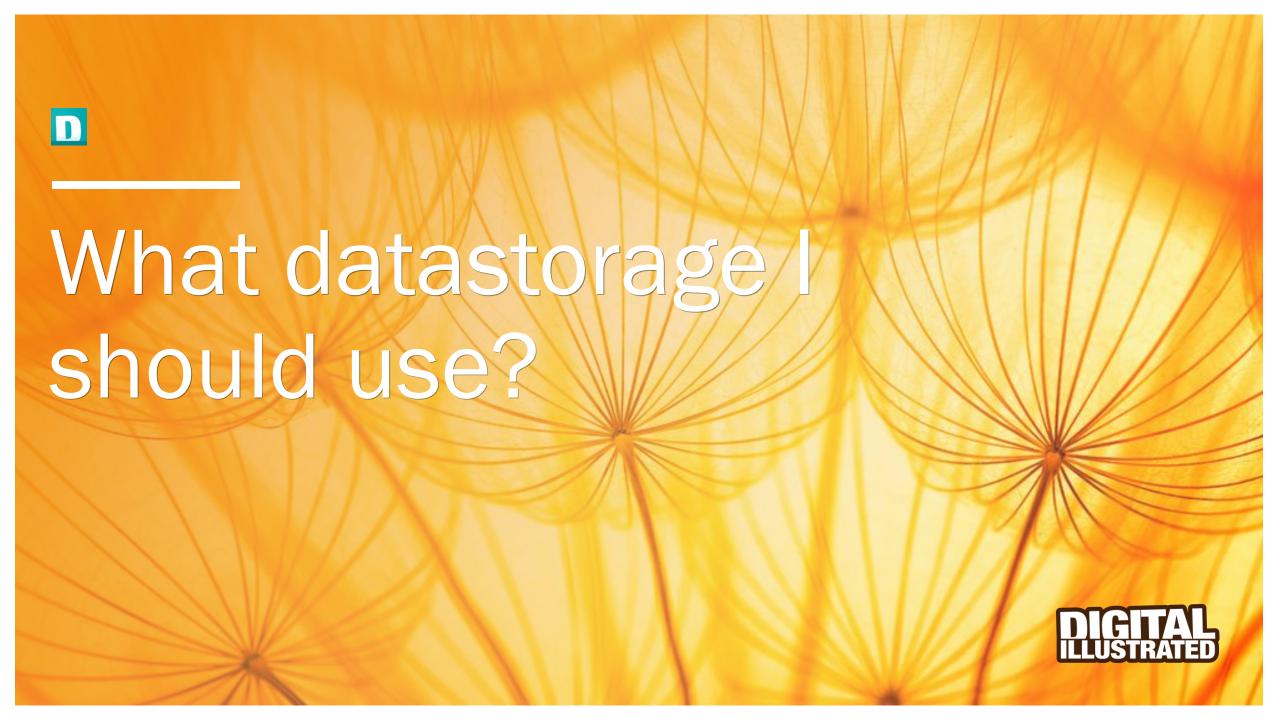


It's all about getting rid of delegation issues

- Filter(AllStores, 'Created By'.Email = User().Email)
- Filter(AllStores, 'Created By'.Email = varCurrentUserEmail)
- Filter(AllStores , Text(ID) = varID)
- Filter(AllStores, ID = Value(varID))
- Filter(AllStores, Created > Today() 7)
- Filter(AllStores, 'Created time as number' > var7DaysAgo)
 20190922 20190921







Top 3 datasource options



SharePoint list

- Familiar for makers
- Easy to build row-level security
- Easy to work with attachments
- Free
- Limited support for delegation



SQL Database (Azure)

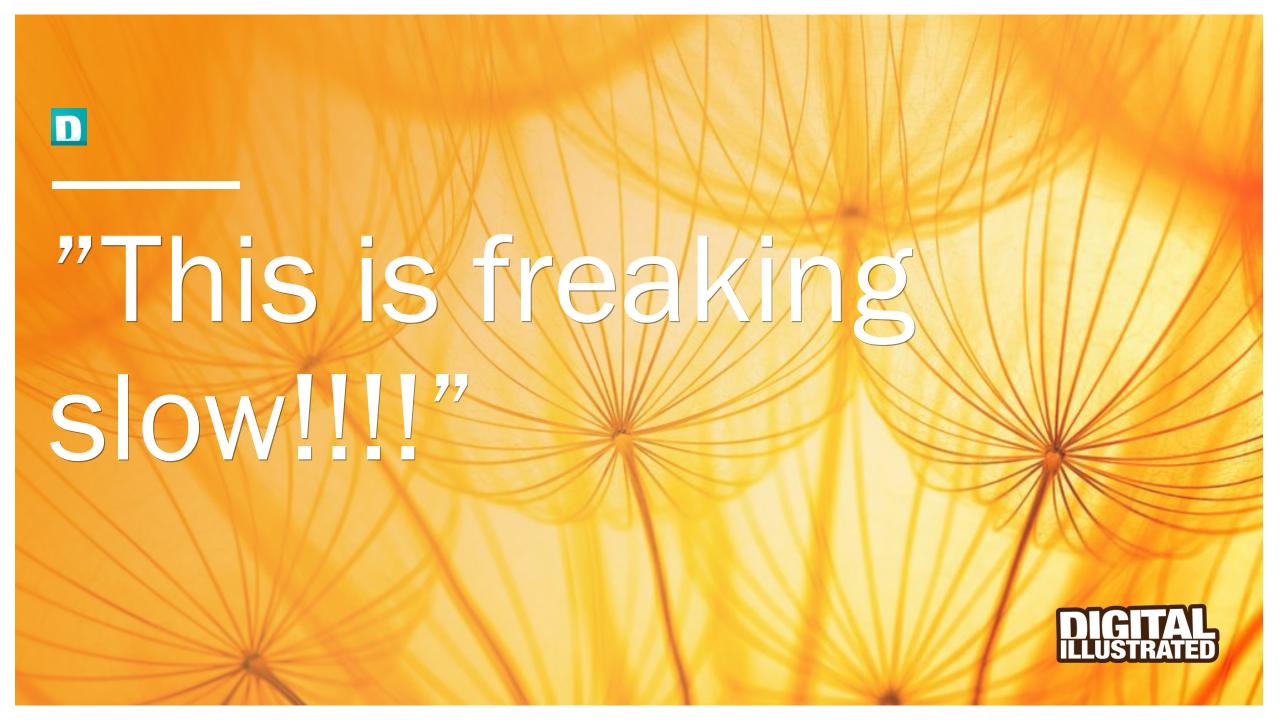
- Search can be delegated
- "unlimited"
- Uses shared connections
- Cheap
- Can be extended with views and stored procedures
- Goodbye citizen developers!



Common Data Service

- Best parts from both SharePoint list and SQL Database
- Not free either cheap





Check & to do

- Minimize stuff loaded on App OnStart
- Use concurrency when loading data
- Avoid dependencies between screens
- Expensive operations located
 - In ForAll
 - In Gallery
- Delegation warnings



Check & to do

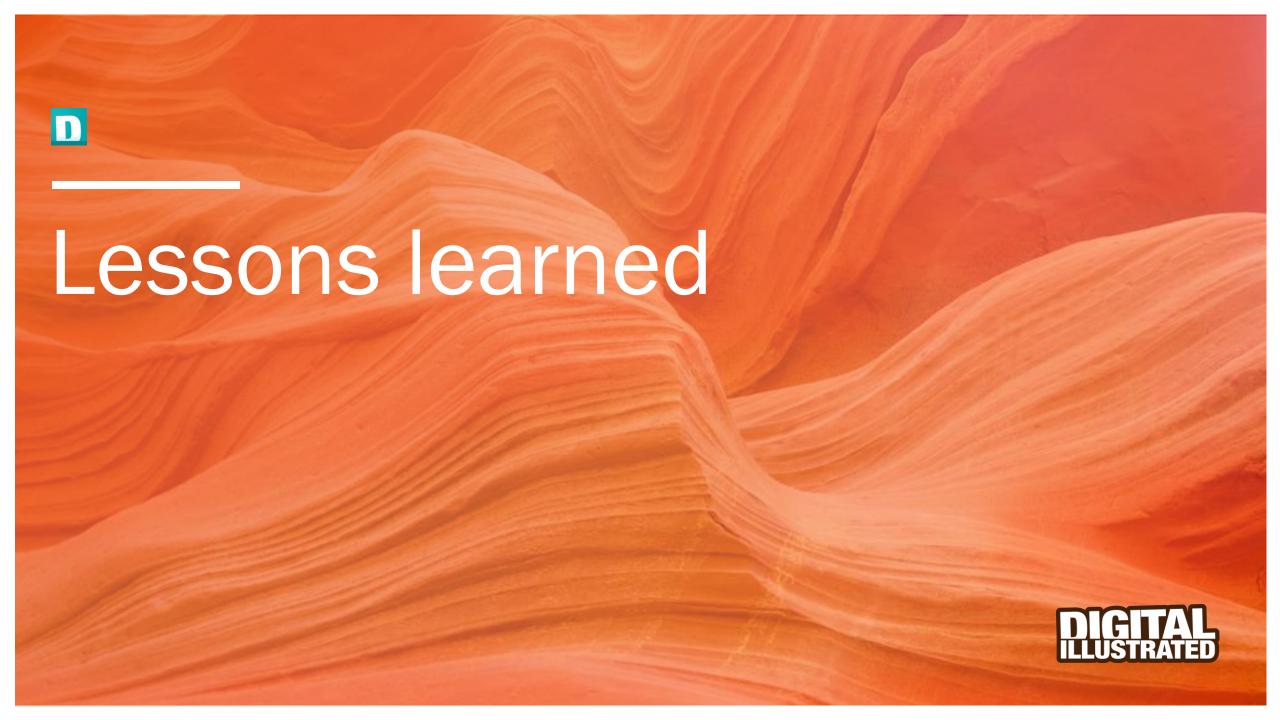
- Save / update several items -> Use Flow
- Use galleries when suitable
- Use components when suitable
- PowerApp might run extremely slow on older mobile phone
 - Reduce number of screens
 - Reduce number of controls



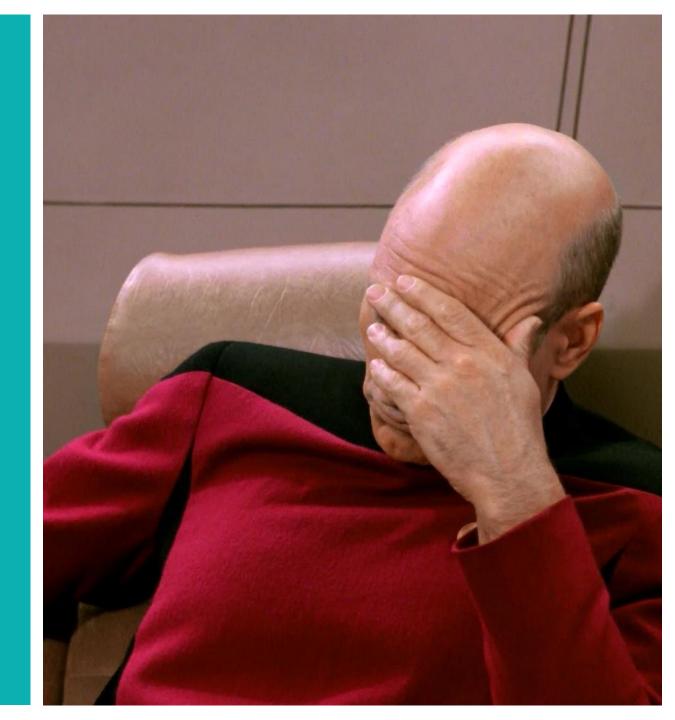


"Yes yes, it **iS** a great tool. But all these PowerApps looks like SH!&#"





1. Don't underestimate SharePoint lists



2. Find out what mobile devices end users use



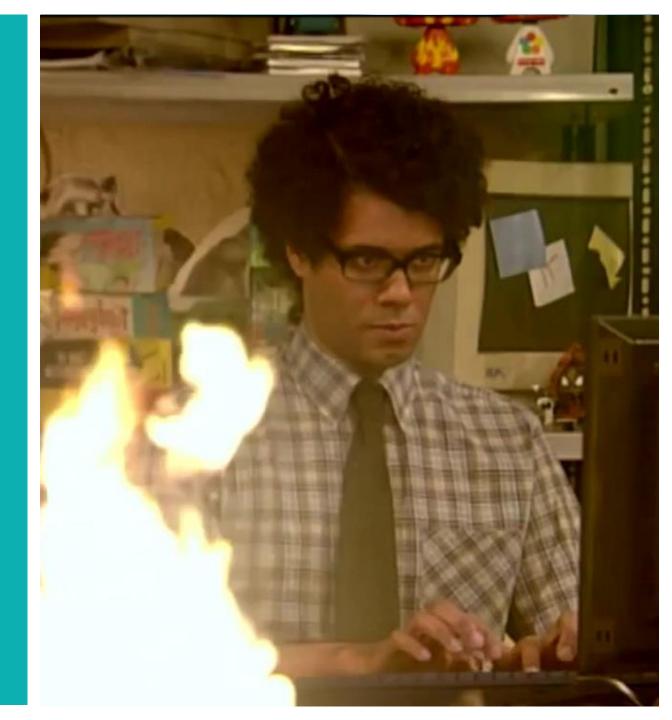




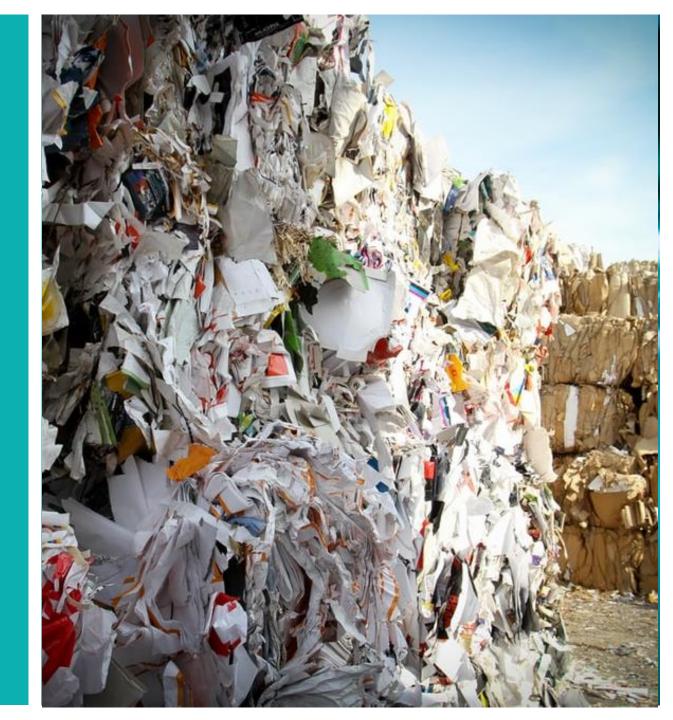
3. Preview is preview



4. Power Platform is much more than mobile app built on top of the SharePoint lists



5. Start planning governance now



Thank You!



Timo Pertilä Consultant, Microsoft MVP

@timopertila https://timopertila.com timo.pertila@digitalillustrated.com



Please give some feedback <3

