



# TIMO PERTILÄ

Consultant, Microsoft MVP

Digital Illustrated



https://timopertila.com



@timopertila



timopertila

Nerd, father, husband, runner, does someone read these?





#### Gold sponsors











Silver sponsors









#### Bronze-sponsors



#### Collaborate



















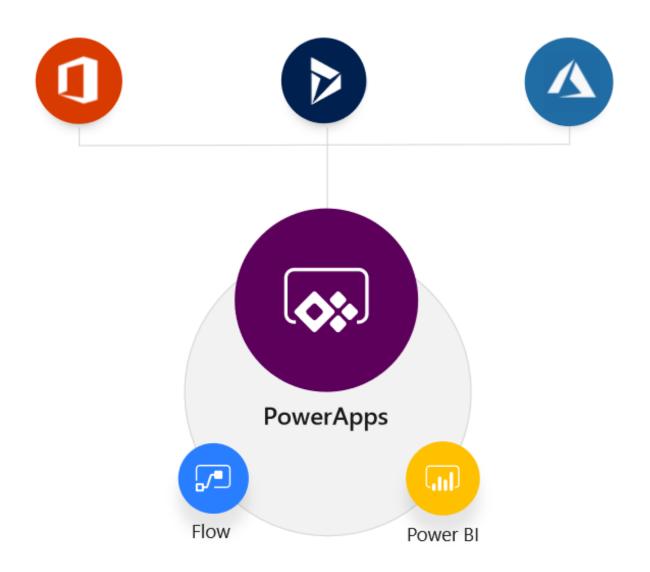




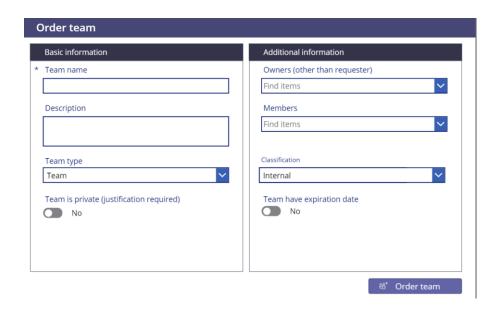


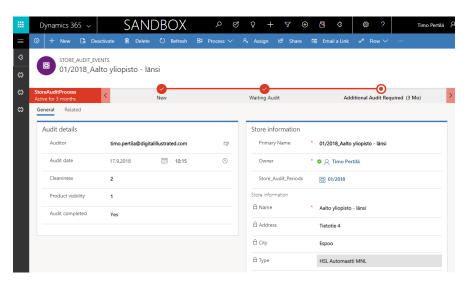
# The Microsoft Power Platform

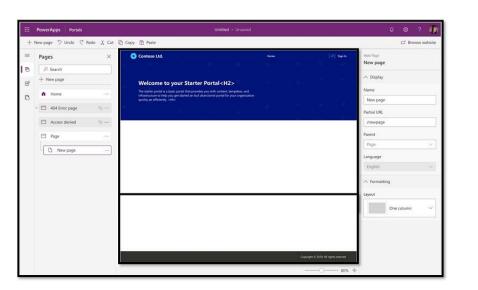
One high productivity platform that spans Office 365, Dynamics 365, and standalone applications



Canvas / Model-driven / Portals



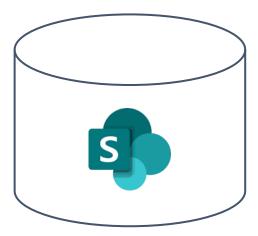












# Example: Delegation supported



Give me all stores where location = Madrid (filter)

Here are all 5000 stores located in Madrid

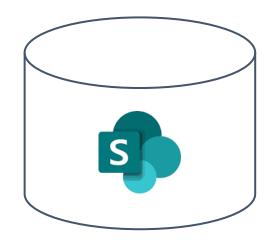


# Example: Delegation not supported



Give me all stores located in Madrid (search)

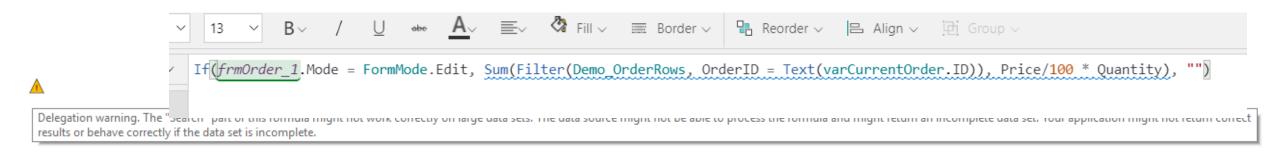
Here are 500 first stores. Please find what you want by yourself!



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, Sum...)
- **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



# It's all about getting rid of delegation issues

- Filter(Stores, Status.Value = "Waiting for audit") ×
- Filter(Stores, Status = "Waiting for audit") ✓
- Filter(Stores, Text(ID) = gallery.Selected.ID) X
- Filter(Stores, ID = Value(gallery.Selected.ID))
- Filter(Stores, 'Created By'.Email = User().Email) X
- Filter(Stores, emailOfCreatedBy = varCurrentUserEmail)
- Filter(Stores, Created > Today() 7) ×
- Filter(Stores, CreatedAsNumber > 20190622 -7) ✓





# Top 3 datasource options



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



- **Search** can be delegated
- "unlimited"
- All users uses same login account
- Cheap
- Can be extended with views and stored procedures
- Goodbye citizen developers



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



## Shortly

- If you can (afford) -> CDS for Apps
- If you need search and you have more than 500 items -> SQL
- If you have huge amount of items -> SQL
- All the rest -> SharePoint

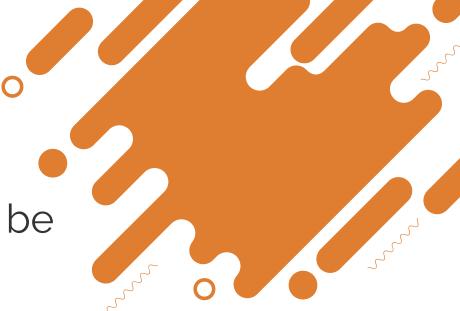






#### Remember

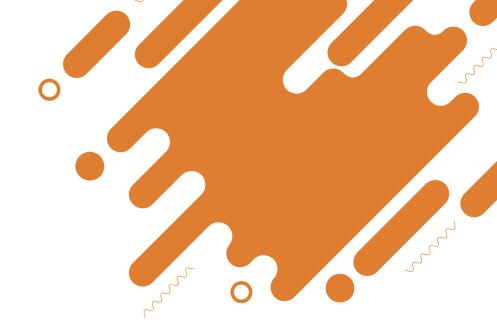
- PowerApp on older mobile phone can be extremely slow
- Reduce number of screens
- Reduce number of controls
- Check expensive operations located in
- ForAll loops
- Galleries
- Check delegation warnings





#### Remember also...

- Saving / updating several items -> Do it with Flow
- Use concurrency on App OnStart
- Use galleries when suitable
- Use components when suitable











### 1. Don't underestimate SharePoint lists





### 2. Don't overestimate SQL databases





### 3. Find out mobile devices end users have





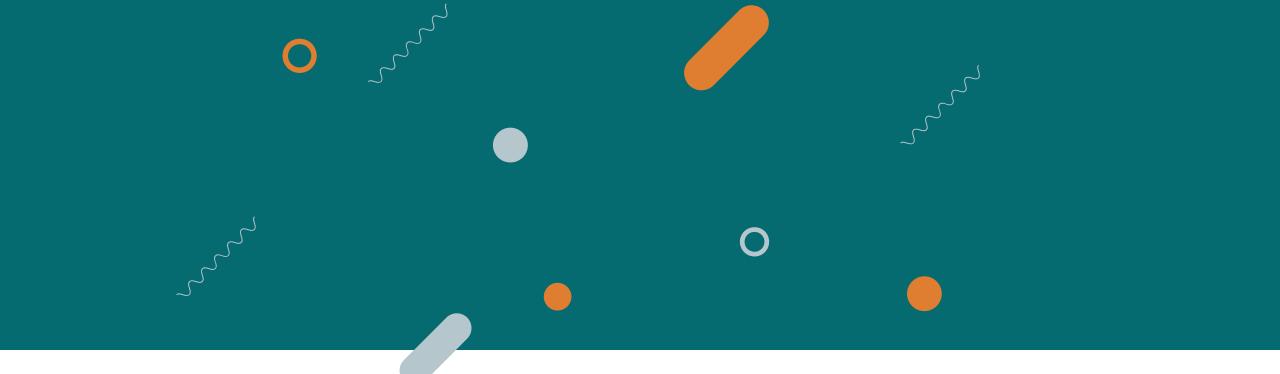
# 4. Preview means preview





# 5. Start planning governance now





### Thank You!









#### **Community Events** Looking for a local group to discuss Microsoft's products and services? Check out the events being organized in your city by Community Event Leaders. Get involved >



#### File name character limit?

badgerbear in Microsoft Teams 11 hours ago

Does anyone know the character limit for file names in Teams? I read somewhere that it's 150 characters and that includes the file path but when I tested it, it seemed closer to 160.

adam deltinger replied to badgerbear on 06-02-2019

Yup, just too early (4)

#### **Cannot change Profile Picture on Teams**

Elissa Wang in Microsoft Teams on 01-11-2017

I asked T-bot on how to change your profile picture on teams but when I went to my profile, it doesn't give me the option to "change picture". It just says my name and my status.

is there a newer version I need to install?

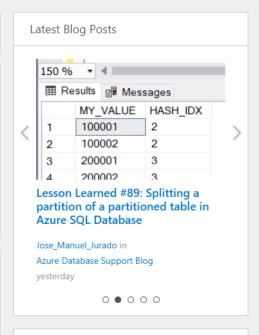


@scotta81 try to reconnect to Teams or restart it? It can take a while for your picture appear on in Teams client.

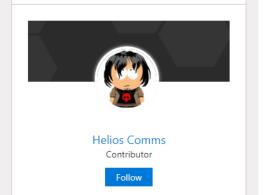
#### Buying Office 365 sub from Microsoft vs a Microsoft Partner seller of off...

Stewart9 in Office 365 9 hours ago

Is there any reason not to buy an Office 365 Subscription from a Microsoft Partner instead of buying an Office 365 subscription direct from Microsoft? For example, Senetic is selling Office 365 Business Essentials for \$4.32/Month (\$48.96/annual) as oppose... Read More



#### Member Of The Week



# Microsoft Tech Community

techcommunity.microsoft.com

One Microsoft community for IT Pros and tech enthusiasts to learn from experts on Microsoft products

Trusted resource for news, best practices and answers from Microsoft product teams and MVPs

Join today! It's free - sign in with your Microsoft Account.



### Raffle

Please, fill your SP & Office 365 Saturday Madrid passport if you want to participate.

You can win one of these gifts:



























plain concepts





raona





















#### Pasaporte / Passport

If you want to participate in the final raffle, you must get the signature of our Platinum, Gold and Silver sponsors in their stand. Once you have all the signatures, complete the poll about the sessions and give us this sheet at 06:20 PM in the Auditorium room.

東京'токюта	raona	encamina PIENSA EN COLORES	everis	RICOH imagine. change.
plain concepts	каве	au  au  au	intelequia SOFTMAKE SOLUTIONS	NECSIA Digital Transformation

My name is: Odor

My e-mail: Odor@winterfell.com

Por favor, puntúa las sesiones en el campo gris con números desde 1 (muy mal) a 10 (gran sesión). Please, rate sessions in the greyed field with numbers from 1 (too bad) to 10 (great session).

Please, rate sessions in the <b>greyed field</b> with numbers from 1 (too bad) to 10 (great session).											
\	9:25 AM -	SPFx Ninja Next		Productividad		Personalización		Lleva tus			
1	10:20 AM	Level: Beyond		basada en Al		de Modern Sites:		aplicaciones de			
1		SharePoint				rápido,		PowerApps a			
						moderno y		otro nivel			
		40				extensible con					
		10				Site Scripts &					
						Site Designs					
_	10:25 AM -	Es el momento,		Detección y		Using		I developed a			
	11:20 AM	empieza a		Protección contra		Automation in		SharePoint			
		desarrollar para		Amenazas		Office 365		Framework			
		Microsoft Teams		Avanzadas con				solution, what			
				Office 365 ATP				to do next and			
						<b>9</b>		how to install it			
								by code?			
	12:20 PM -	Working with		El nombre del		Project Online		How to get			
	12:55 PM	SharePoint REST		juego es		REST API made		authentication			
		APIs -		Integración,		easy with		out of the way			
				Integración,		SharePoint		quickly			
				Integración		Framework and					
		8				PnPis					
	01:20 PM -	El futuro de Office		Forjado a		WOW your		SecOps or			
	02:15 PM	365 en 2020: la		SharePoint, tu		coworkers with		Dev/SysOps			
		INNOVACIÓN		seguridad de		awesome		tools - Azure			
				acero		looking lists:		Policy and			
						conditional		Resource Graph			
						formatting in					
						SharePoint					

# Office 365 for IT Pros

Get a 20 % discount buying the book here:

https://gumroad.com/l/0365IT/ Spoisgreat

### Office 365 for IT Pros

#### Written by Tony Redmond with Paul Robichaux,

Juan Carlos González, Brian Reid, Ståle Hansen, Jussi Roine, and Gustavo Velez.

Technical Editor: Vasil Michev





#### Gold sponsors











Silver sponsors









#### Bronze-sponsors



#### Collaborate























