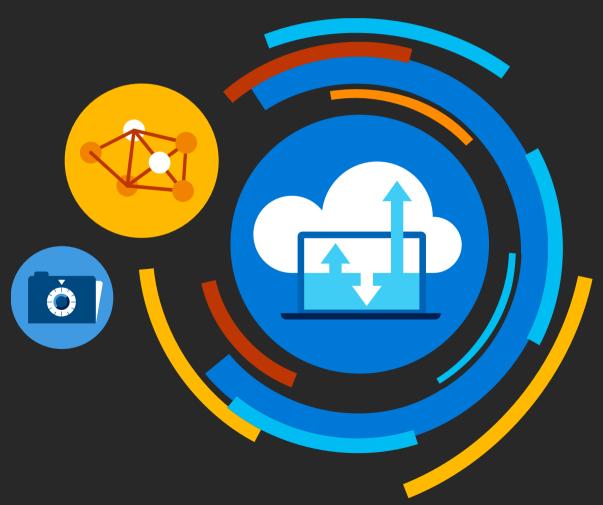


# POWER PLATFORM FOR TEAMS - WELCOME TO MICROSOFT DATAVERSE

Marco Rocca



# Who I'm....

Marco Rocca CSA Modern Workplace @Microsoft Italy

I SharePoint (since 2008)

Focusing On Power Platform

- Power Apps
- Power Automate
- Power Virtual Agents





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# Agenda

- How to work in a different way...
- Introducing Microsoft Dataverse (for Teams)
- Power Apps in Teams
- Power Automate and Virtual Agents in Teams
- Extend Dataverse for Teams
- Q&A

How to work in a different way....

# How Organizations worked in the past

#### Disconnected

Remote Teams and Locations

### Outdated

Legacy tools, apps and devices

### Fragmented

Fragmented systems and manual repetitive tasks

### At Risk

Growing security and compliance challenges



# Create a completely different way for work

Integrate business processes and Line of Business apps

Automate repetitive tasks

Access the partner apps you already use and love

Communicate and collaborate

All in a single hub

**Microsoft Teams is the HUB** 



## Microsoft Power Platform

#### The world's most complete set of integrated, low-code development tools



Power Apps for web and mobile application development



Power Automate for process or workflow automation



Power Virtual Agents for chatbots and conversational agents

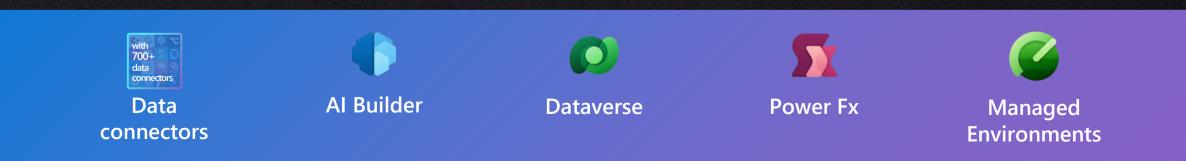


Power Pages for building secure, data-centric business websites



**Power BI** 

for data exploration, analytics and reporting

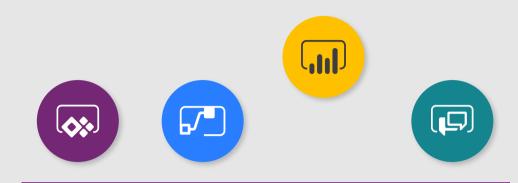


## Today we are in this situation....



**Microsoft Teams** Platform for teamwork

Chat, collaboration, meetings, calling, and app integrations for **75M + daily active users** and **200M + meeting participants** in a single day, generating **>4.1B meeting minutes** 



**Microsoft Power Platform** Low-code business applications

Used by **97% of the Fortune 500** to accelerate internal app development and empower citizen developers to build custom line of business solutions.

### Introduction to Microsoft Dataverse (for Teams)

# What is Dataverse

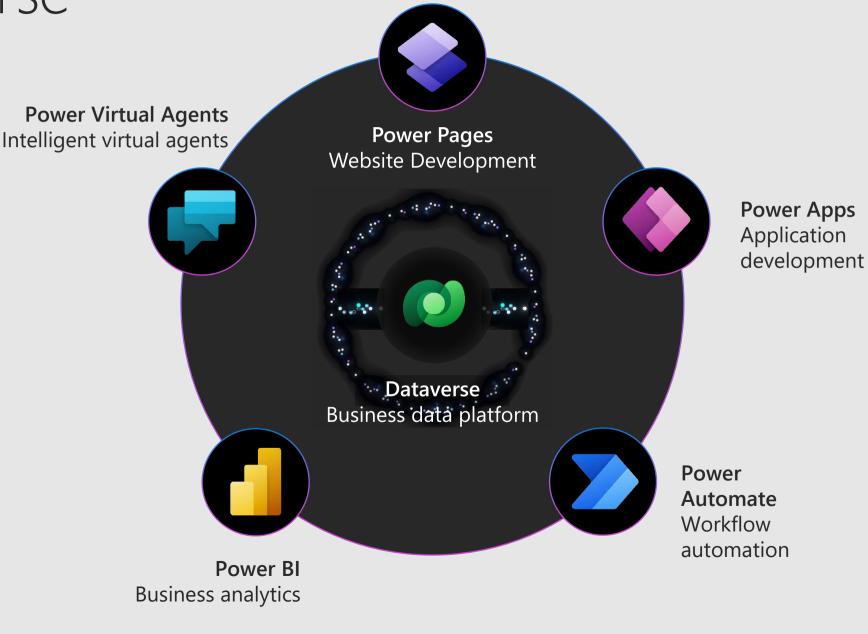
**Dataverse** is a relational database for Power Platform

Dataverse securely stores and manages data used by business apps

Custom data are stored within set of tables

A table is a set of rows and columns

Standard and custom entities and columns



### **Reasons why Enterprises decide for Dataverse**



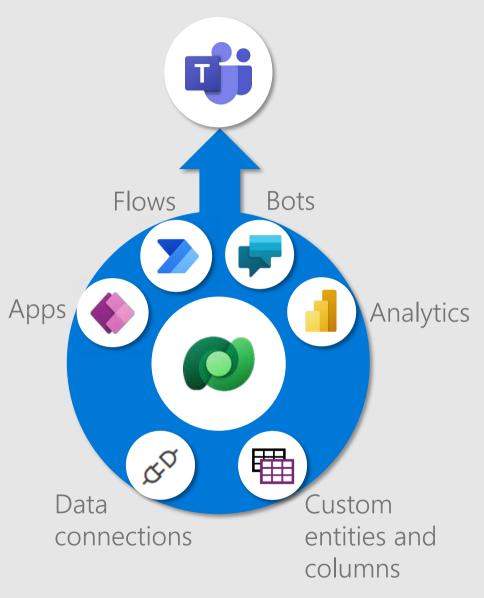
# What is Dataverse for Teams

A new built-in low-code data platform for **Microsoft Teams** 

Subset of Dataverse capabilities

Included in most Teams licenses

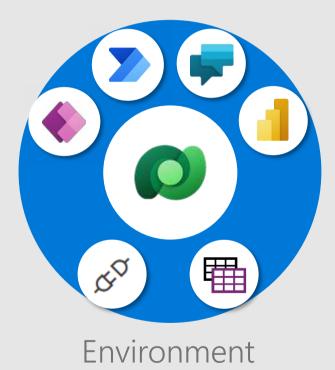
Allows building of apps, automation, chatbots within Microsoft Teams



# What is a Dataverse for Teams Environment

- A **container** for the Dataverse for Teams data, apps, flows and bots
- It is automatically created for the team when an app or a bot is created within it
- One Environment for each Teams

Dataverse for Teams environment and its contents will be **removed** if the team expires or is deleted



## Monitoring Capacity & Resources in Admin Center

	e first person to create an app in this team. We'll need to do some setting up, so ime will be a little longer than usual.	
elect a	team for this app	
	team for this app here your app will live. Team members can't see it until you publish it.	

In **Dataverse for Teams** a new environment is created for each Team the first time an application associated to that Team is created

+ Ne	w 🖔 Refresh						✓ Search	
New env	vironment D4T Example has been successfully created.							×
Envir	onments							*
	Environment	Туре	State	Region	Created on $\downarrow$	Created by		
	D4T Example	Microsoft Teams	Ready	United States	04/06/2021 1:39 PM	Marco Rocca		

## Monitoring Capacity & Resources in Admin Center

ams Add-ons Trial	
ronments are using storage capacity. Their usage doesn't	count toward your org's Dataverse usage. <u>Learn more</u>
	<sup>⊅</sup> Search
Capacity used	
512 MB of 2 GB 25% used	
	ironments are using storage capacity. Their usage doesn't o Capacity used

#### Environments > Project Oakdale Introduction > Power Apps

- View Power Apps details and manage them across your org. Learn more
- Export assigned user licenses using PowerShell command. Learn more

1 Name	Modified	Owner	Туре
SampleApp	··· 4 mo ago	Marco Rocca	Canvas
> Manage initiatives	··· 3 d ago	Marco Rocca	Canvas
<ul> <li>Manage bulletins</li> </ul>	··· 10 h ago	Marco Rocca	Canvas
> Team Initiatives	··· 3 d ago	Marco Rocca	Canvas
ManageProducts	··· 2 wk ago	Marco Rocca	Canvas
> ProvisioningApp	··· 3 d ago	Marco Rocca	Canvas
d Bulletins	··· 10 h ago	Marco Rocca	Canvas
ShowVideo	··· 1 mo ago	Marco Rocca	Canvas

Power Platform Admin Center enable you to check Capacity used by Dataverse for Teams Environment.

You are also enabled to view all apps and flows that are included in Dataverse for Teams Environment.

#### Use new "Tenant Analytics"!

Unit	Service limit
Dataverse for Teams environments	5 environments, + 1 additional environment for every 20 eligible Microsoft 365 user licenses. Should more instances be needed, consider deleting unused environments or upgrading environments to Dataverse. Customers with more than 200,000 eligible Microsoft 365 seats should contact their Microsoft representative.
Max Dataverse for Teams environment storage per tenant	10 GB + Dataverse for Teams environments × 2 GB (up to a maximum of 19.5 TB). The 2 GB storage limit can't be extended further. Should more storage be needed, consider upgrading environments to Dataverse.

## Demo: Power Platform Admin Portal

## Dataverse for Teams VS Dataverse

Environment lifecycle	Dataverse for Teams	Dataverse
Environments	1 per Team	Unlimited
Maximum size	1 million rows or 2 GB	4 TB or more
Upgrade to Dataverse	Yes	N/A

Feature	Dataverse for Teams	Dataverse
Basic data types	Yes	Yes
Advanced data types (customer, multiple transaction currencies)	No	Yes
Relational storage	Yes	Yes
Non-relational storage (logs)	No	Yes
Managed data lake	No	Yes
File and image support	Yes	Yes
Find, filter, sort	Yes	Yes
Advanced and Dataverse search	No	Yes
Mobile offline	No	Yes

Integration feature	Dataverse for Teams	Dataverse
Power Automate	Yes	Yes
Azure Synapse Link for Dataverse	No	Yes
Data Export Service	No	Yes
Events to Azure Event Hubs	No	Yes
Events to Azure Service Bus	No	Yes
Webhooks	No	Yes
Server-side sync	No	Yes
SQL Server Management Studio	No	Yes

Area	Feature	Dataverse for Teams	Dataverse
Business intelligence	Data visualization	Yes	Yes
	Paginated reports (SQL Server Reporting Services)	No	Yes
Professional developer	API access	No	Yes
	Plug-ins	No	Yes
	Power Apps component framework	No	Yes

# Built in Security & Governance

Dataverse for Teams is enterprise grade and designed to work within Teams.

Focused on Teams, it aligns with the core roles identified in that environment, e.g. Owners, Members, and Guests.

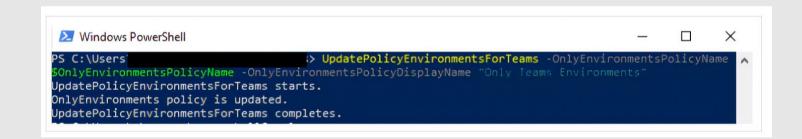
Access to the environment is restricted just to the Teams owners, members and guests

Ability to assign different security role to Teams Owners and Members.

Security feature	Dataverse for Teams	Dataverse
Admin roles	System Administrator and System Customizer	System Administrator and System Customizer and other service admin roles. More information: Use service admin roles to manage your tenant
User roles	Team owners, members, and guests	Several standard security roles and custom roles can also be created. More information: Security roles and privileges
Activity logging	No	Yes
Auditing	No	Yes
Business units	One	Unlimited
Customer-managed environment encryption key	No	Yes
Field-level security	No	Yes
Hierarchical security	No	Yes
Record sharing	No	Yes

## Applying a DLP policy to all Dataverse for Teams environments

Microsoft offers a solution that applies a data loss prevention policy (DLP) to all Teams environments within a tenant, allowing you to better control your organization's data without hindering your ability to create low-code and no-code solutions within Teams.



We recommend to use this under a scheduled script to ensure that the DLP policy will always apply to the most recent list of Teams environments.

If a Teams environment is created after this script is run, it will not be governed by the policy until the policy's environments are updated

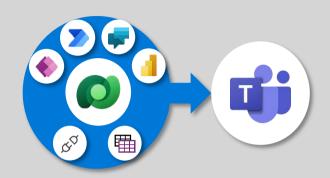
## Move customizations between environments

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Microsoft Dataverse for Teams provides a simplified way to transport customizations between Dataverse for Teams environments.

Additionally, customizations can also be moved between Dataverse and Dataverse for Teams environments.

# Conclusion....D4Teams when & why



For use in Teams only

Relational data storage within a Team

1 Dataverse for Teams environment per Team (max environments: 5 default + 1 per 20 users) Up to 2 GB data storage per team

Permissions inherited from the Team

Capacity add-ons are not available



For building larger scale applications

Larger datasets, data lake, offline data, data integrations

Unlimited number of environments

Up to 4 TB of data storage

Rich access control and auditing capabilities Capacity add-ons available

## Power Apps in Teams

# Overview of Power Apps in Teams



Embedded Power Apps studio in Teams



Simplify work and increase productivity



Easy way to create, edit and publish app within Teams



Build apps based on custom data tables that are Teamsspecific and scenario-specific



Ability to share apps with the other team



# Pre-Built App Templates in Teams



Pre-built apps designed for Teams



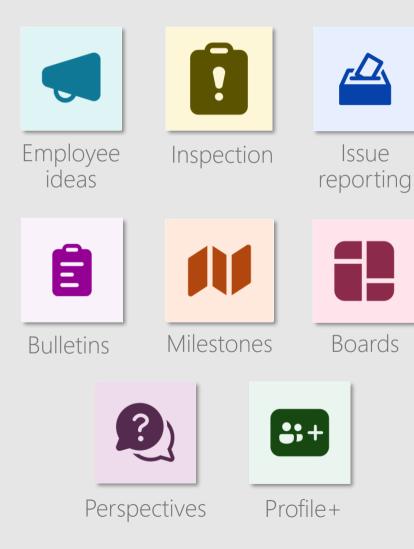
Easy to modify to meet specific business needs



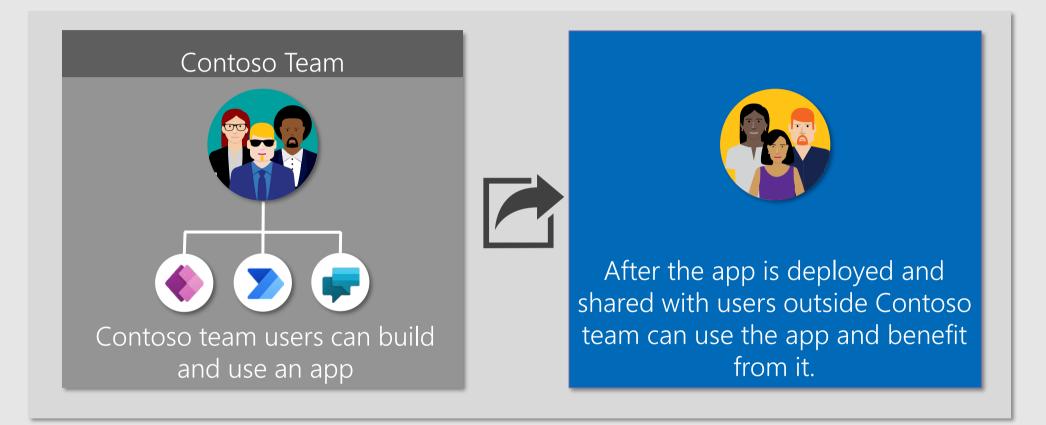
Easy to discover in the Teams App store



Some app templates are available on GitHub



# Broad App Distribution

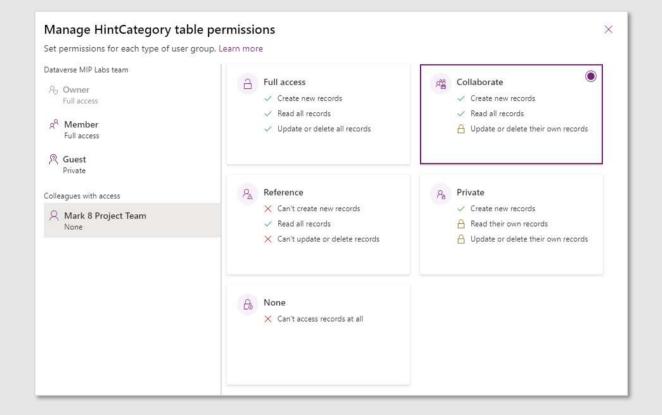


#### You can share Power Apps beyond a team

# Share App with colleagues – Table permissions

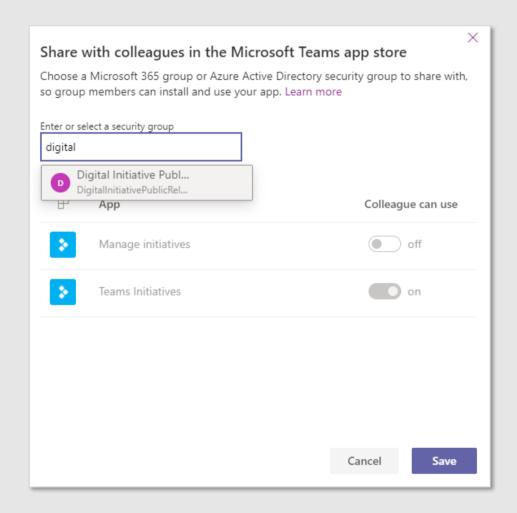
By default, Colleagues with access role has No access to your Dataverse for Teams tables

With Broad app distribution you can provide users outside your team permissions to access the tables via your app



# Share App with colleagues

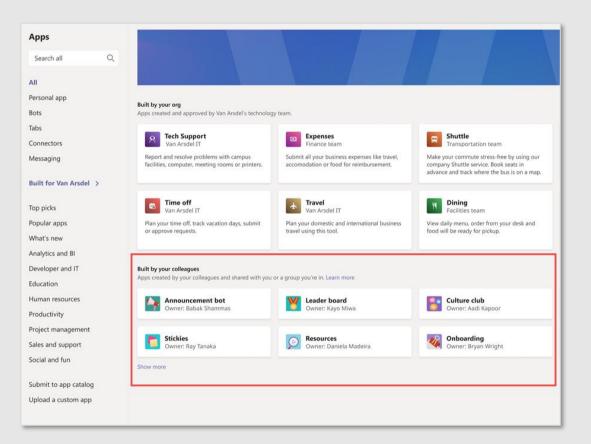
- You can share apps with a security group or a security-enabled Microsoft 365 group
- You can share apps to a group with less than 10,000 members
- Group members can install and use your app



# Built by your colleagues

Team owners can choose to share apps with other colleagues that don't belong to the development team

Apps appear in the "Built by your colleagues" category in Teams App store



Demo: Power Apps in Teams

## Power Automate and Virtual Agents in Teams

## Overview of Power Automate in Teams

With Power Automate's integration to Dataverse for Teams, users can easily add automation to apps built with Dataverse for Teams

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# Overview of Power Virtual Agents in Teams

Power Virtual Agents is a low-code / no-code, guided graphical interface that allows easy creation of chatbots by users of Microsoft Teams

- Chatbots in Teams to help employees with common issues and answer common questions
  - Chatbots in Teams are transforming how organizations engage with their employees

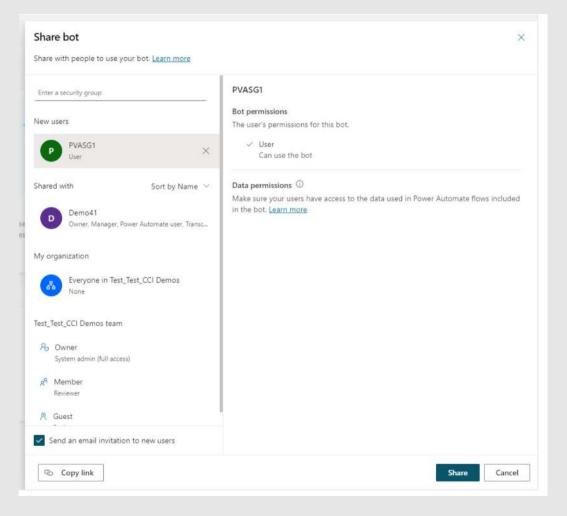


# Share BOT with your Teams or Organization

You could choose to share with your bot with your team to use

You can only share a bot with security groups. You cannot share with individual users directly.

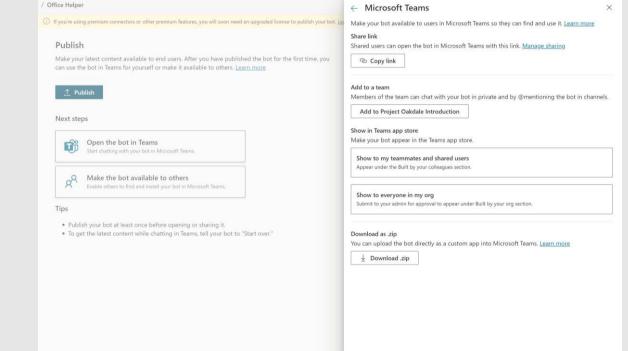
You can manage individual user access by adding or removing users from the security group.



# Share BOT with your Teams or Organization

You could choose to share with your bot with your organization, require admin approval

$\leftarrow$ Show in Teams app store for org	×
Get your bot ready	
Admins can feature your bot prominently as an app in the Built by your org section of Microsof Teams, pre-install for users in your org, and more. Learn more	ft
Before submitting, make sure to: • Ensure your bot is ready for release and in compliance with company standards, rules, and policies.	
<ul> <li>Coordinate with your teammates. Once the bot is submitted, it can't be resubmitted by othe until an admin approves or rejects it.</li> </ul>	ers
Remove the bot, if applicable, from the Built by your colleagues section in Teams. Submitting it admin approval could result in your bot showing up in two places.	for
Teams Authentication SSO Configuration	
When using Manual authentication with Azure Active Directory options, you can configure Tean for SSO. You will need this App ID to construct the correct configuration information. <u>Learn mor</u>	
App ID	
77ees	
Submit for admin approva	al

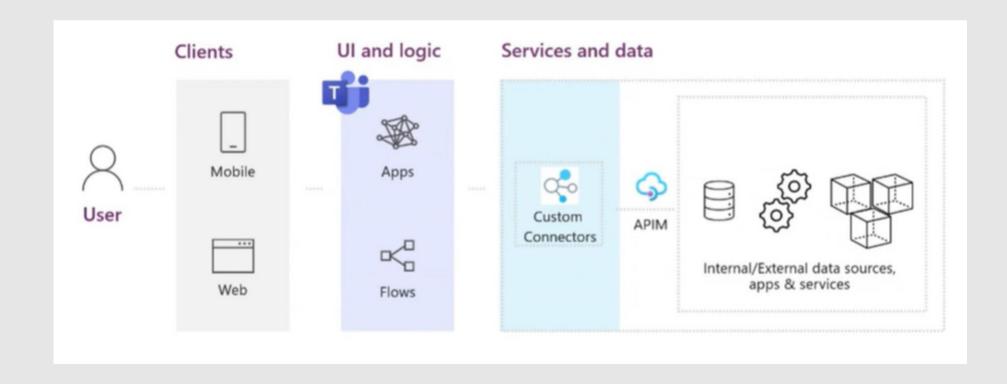


## Demo: Power Automate and Virtual Agents in Teams

### Extend Dataverse for Teams

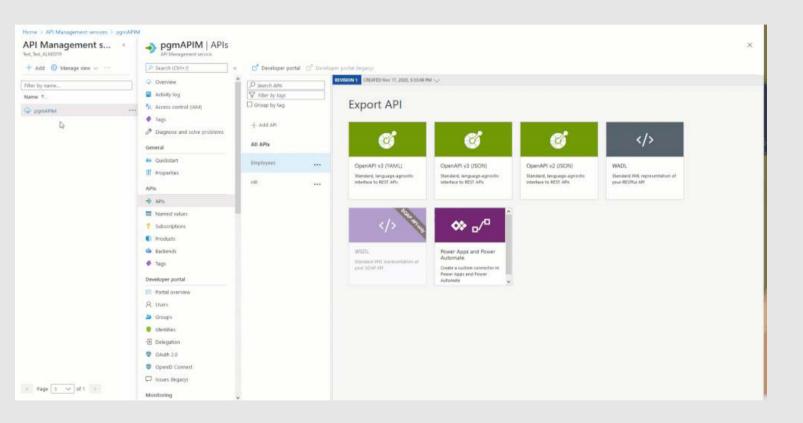
### API Management, Power Platform, & Teams Better Together

If you already have Teams subscriptions and Azure API Management subscriptions, there is no additional cost to import your custom connectors in Teams.



# API Management

- Azure API management is a fully managed service that enables organizations to publish, secure, transform, maintain, and monitor APIs
- API management cost is "for hour"
- Valid from Power Apps and Power Automate not from Power Virtual Agents



## Demo: API Management





# Thanks for your attention!

