

#TeamsNation

Dataverse meets Teams: Low-code app opportunities for everyone

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Microsoft Tech Community

Session objectives

1

Positioning Microsoft Dataverse into the Microsoft Teams application platform story

2

Showing app examples of what Dataverse for Teams can do

3

Helping you evaluate when Dataverse for Teams is a good fit (and when it isn't)



A quick introduction

Jukka Niiranen: who, what, when, why?

- Started working with Microsoft business apps in 2005
- Launched my blog in 2008, Microsoft MVP since 2013
- Switched my focus from Dynamics 365 to Power Platform around 3 years ago
- Working as Power Platform Advisor & Co-founder at Forward Forever
- Citizen developer by heart, zero coding skills
- Working out loud since 2010 (Yammer☺)
- Excited about the Teams as a Platform story – because this could really be the next Microsoft Operating System



FORWARD
F O R E V E R

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Agenda

- Dataverse: the big picture
 - Where it came from & why it is the center of MS low-code universe
- Dataverse for Teams in practice
 - 3 demo scenarios of real apps
- When to use / not to use Dataverse for Teams
 - Limitations to keep in mind when architecting your solutions



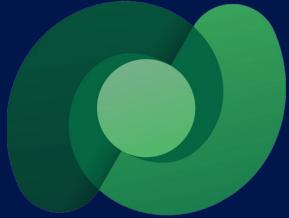
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Dataverse: the big picture



Dataverse: what is it & why should I care?



- It's not *just* a relational database
 - Offers features for managing security, workflows, integration, audit, app lifecycle etc.
- Mature platform for enterprise scale business applications
 - Available as a MS cloud service since 2011 (just with a different name)
- Caters to both citizen developers and code-first developers
 - Full GUI for building apps with zero code, extensive APIs for building custom apps and integrations with as much code as you need
- Microsoft's preferred choice for you to build Power Apps on
 - While SharePoint may be the most widely used app data source still, MS investments are aiming at making Dataverse work as natively with Power Apps as possible



Types of business apps built on Dataverse

	Today's focus	Power Apps	Dynamics 365
App	 Teams apps	 Power Apps	 Dynamics 365
Platform	 Dataverse for Teams	 Dataverse	
License	Included in Microsoft 365 subscriptions	Per App license: \$5 Per User license: \$20	1 st Enterprise App: \$95 (allows custom app creation in the context of the originally licensed app)



Key benefits of Dataverse for Teams



- Available to every Microsoft Teams user
- Better foundation for app data model than Microsoft Lists (SharePoint)
- Self-service management of Dataverse environment, users are tightly coupled with the team's roles (owner, member, guest – “OMG”)
- Simplified feature set aimed at citizen developers (vs. full Dataverse aimed at enterprise solutions and pro devs)
- Can integrate with external systems via Azure API Management (with the help of pro devs...)
- Offers an upgrade path to full Dataverse without needing to re-architect the applications



The quickest way to try Dataverse

Use the sample apps from Microsoft Teams store

The screenshot shows the Microsoft Teams Power Apps store page. The left sidebar includes icons for Activity, Chat, Teams, Calendar, Files, Power BI, Power Auto..., and Power Apps, with Power Apps currently selected. The main content area has a header "Power Apps" with tabs for Home, Build, and About. A search bar is at the top right. The main content includes a section titled "How to create an app for your team" with three steps: "Start by adding data—it's what apps are built on", "Edit the app however you want", and "Share it with your team". Below this are two large cards: one for "Employee ideas" and one for "Inspection". A dashed blue line separates these from a grid of eight smaller cards under the heading "Add these apps to your team". The cards are: Employee ideas, Inspection, Issue Reporting, Bulletins, Milestones, Profile+, Boards, and Perspectives. Each card has a small icon, a title, and a brief description. The bottom right corner features the Microsoft Teams logo.

Microsoft Teams

Search

Forward Forever (CO) FF

Power Apps Home Build About

Activity Chat Teams Calendar Files Power BI Power Auto... Power Apps ... Apps Help

How to create an app for your team

- Start by adding data—it's what apps are built on
- Edit the app however you want
- Share it with your team

Start now Learn more

Add these apps to your team

Employee ideas Easily review, manage, and vote upon team's ideas to increase team engagement and morale. Helps team managers to improve workplace wit...	Inspection Create customized checklist style inspections for areas and assets. Perform them digitally with the ability to take notes and pictures. Issues identifi...	Issue Reporting Empower the front line worker to report issues they see on the ground. Easily collect issues submitted in Planner for effective case...	Bulletins Be in the know of all company communications, broadcasts, and announcements in an easy to consume experience in Teams. Customize post...
Milestones Plan, track, and prioritize team's work capacity across projects in a central place. See team status and work item updates to become aware of how...	Profile+ Profile+ help you quickly look up colleagues, understand org structure and roles, and learn about open positions. The ability to filter by...	Boards You and your team can create boards about anything—interests, initiatives, onboarding, etc. You can also post just about anything to a boar...	Perspectives The Perspectives app is a place to listen and be heard in your organization. A simple search-and-browse experience makes it easy to find...

Everyone can be an app maker in Teams

- If you're a team member, you can provision a new Dataverse for Teams environment by creating a new app (or installing a sample app)
 - Unless the Teams admin has explicitly blocked Power Apps + all the MS sample apps
- Each DV4T environment gets 2 GB worth of storage capacity – does not affect the tenant level capacity for full Dataverse environments
- Each tenant gets 5 environments + 1 additional environment for every 20 eligible Microsoft 365 user licenses
 - With 1K users you get 55 environments, with 100K you get 5,005 environments
- 1 environment per team, but you can have as many apps there as needed



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Dataverse for Teams in practice



Example scenarios

1) Basic task management app for a specific process

2) Desktop + mobile apps, including data visualization

3) Responsive app UI + integration + broad distribution



Onboarding app

Scenario

- Organization's need:
 - Ensure a smooth experience for handling all necessary tasks when a new employee joins the organization - for both the new employee and those who are responsible for helping in completing the tasks
- Starting point:
 - OneNote based template list of onboarding tasks
 - New copy created to serve as a checklist for each new employee
- Solution on Dataverse for Teams:
 - Dataverse tables for storing onboarding tasks and employees
 - Business logic to copy tasks from a template when new employees are added
 - Power Apps UI to show tasks per responsible person and track task completion



Creating the tables

The screenshot shows the Microsoft Power Apps portal interface. The top navigation bar includes 'Power Apps', 'Home', 'Build', and 'About'. Below the navigation is a search bar and a header with actions: 'Add column', 'Delete table', 'Edit data', 'Manage permissions', 'Settings', and a 'Custom' dropdown.

The main area displays the hierarchy: 'FF Onboarding > Tables > Onboarding Task'. The 'Onboarding Task' table is selected, indicated by a grey background. The table structure is shown in a grid:

Display name ↑ ↴	Name ↴	Data type ↴	Type ↴	Custom... ↴	Required ↴	Searchable... ↴
Description	cr990_descript...	Multilin...	Custom	✓	Optional	✓
isTemplate	cr990_istempl...	Yes/No	Custom	✓	Required	✓
Link	cr990_link	URL	Custom	✓	Optional	✓
Name Primary Name Column	cr990_name	Text	Custom	✓	Required	✓
Notes	cr990_notes	Multilin...	Custom	✓	Optional	✓
Onboard	cr990_onboar...	Lookup	Custom	✓	Optional	✓
Responsible	cr990_respons...	Lookup	Custom	✓	Optional	✓
Responsible Role	cr990_respons...	Lookup	Custom	✓	Optional	✓
Status	cr990_status	Choice	Custom	✓	Optional	✓

At the bottom, a message reads: 'Don't see the items you're looking for? Reset the filter above to see more.'



Default UI generated for updating template tasks

Onboarding Tasks

- + New onboarding task
- Contract of employment
- Insurance
- Tax card
- Phone subscription
- Order the Phone
- Ordering the laptop
- Mouse
- Keyboard
- Headphones
- Screens
- Other devices
- All devices added into asset
- AAD account
- Licenses

Name: All devices added into asset management

isTemplate: Yes

Description:

Responsible Role: Device Manager

Status:

Link: <https://ff.crm4.dynamics.com/main.aspx?appid=ab1d0bf5-1ea8-eb11-b1a...>

Onboard:

Responsible:

Notes:

Delete Edit



Custom card UI for the employee list

The screenshot shows the Microsoft Power Apps Build interface. The top navigation bar includes 'Power Apps' (with a purple icon), 'Home', 'Build' (selected), and 'About'. Below the navigation are standard UI controls like Back, Forward, Refresh, and a search bar. The main workspace displays a card-based list titled 'Current Onboards' with four items:

- Timo Turunen** - 3/28/2022
FF Coach: Timo Pertilä
- Otto Honkanen** - 3/28/2022
FF Coach: Heidi Korhonen
- Tommi Kurula** - 3/30/2022
FF Coach: # BAP
- Tiago Neves** - 3/31/2022
FF Coach:

Each card has 'Tasks' and 'Edit' buttons at the bottom. To the left of the workspace is the 'Insert' ribbon, which lists various UI elements like Label, Edit form, Text box, and Vertical gallery. To the right is the 'Properties' panel for the current screen ('Screen1'), showing settings for 'Fill' (set to RGB(245, 245, 245, 1)), 'Background image' (None), and 'Image position' (Fit). The bottom right corner features the Microsoft Teams logo.



Final app published to a team's channel

The screenshot shows a Microsoft Teams channel named "General". The left sidebar displays various Microsoft 365 services: Viva Connections, Activity, Chat, Teams, Calendar, Calls, Files, Power BI, Power Apps, Viva Learning, Business Central, and Apps. The main content area is titled "Onboarding Tasks (Hilla Mäntyomena)". It lists tasks categorized by supervisor: "Supervisor", "Device Manager", and "Forward Coach". The tasks are:

Supervisor	Device Manager	Forward Coach
<input checked="" type="checkbox"/> Contract of employment Hilla Mäntyomena Timo Pertilä <button>Open</button>	<input type="checkbox"/> 1Password invite Hilla Mäntyomena Timo Pertilä <button>Open</button>	
<input type="checkbox"/> Insurance Hilla Mäntyomena Timo Pertilä <button>Open</button>	<input type="checkbox"/> 1Password license Hilla Mäntyomena Timo Pertilä <button>Open</button>	
<input checked="" type="checkbox"/> Tax card Hilla Mäntyomena Timo Pertilä <button>Open</button>	<input type="checkbox"/> AAD account Hilla Mäntyomena Timo Pertilä <button>Open</button>	
	<input type="checkbox"/> Added into employees excel Hilla Mäntyomena Timo Pertilä <button>Open</button>	
	<input type="checkbox"/> Added into FF Team - Everyone (M365 portaalissa) Hilla Mäntyomena Timo Pertilä <button>Open</button>	
	<input type="checkbox"/> All devices added into asset management Hilla Mäntyomena Timo Pertilä <button>Open</button>	
	<input checked="" type="checkbox"/> Headphones Hilla Mäntyomena Timo Pertilä <button>Open</button>	
	<input checked="" type="checkbox"/> Keyboard Hilla Mäntyomena Timo Pertilä <button>Open</button>	

At the bottom of the screen, there is a footer bar with icons for Help, Join or create a team, and Settings.



Hospital capacity planning & tracking app

Scenario

- Organization's need:
 - Manage the availability of hospital staff required for different categories of visits and activities associated with them
 - Create demand estimates through extensive calculation formulas, track actual number of visits + duration of activities
- Starting point:
 - Common Excel workbook that contained all the planning calculations as well as actual visit and activity duration data
 - Infrequent and inaccurate entry of data by the hospital personnel, due to having to open the Excel workbook on a PC at the end of the shift
- Solution on Dataverse for Teams:
 - Capacity elements modelled into Dataverse tables, with required calculation logic
 - Dedicated UIs for capacity planning, actual data entry and results analysis



Hospital capacity planning & tracking app

1) Capacity planning app for Teams desktop client

This screenshot shows the Microsoft Teams desktop client interface. The main window displays a capacity planning dashboard titled "Tasapainolaskuri - Suunniteltu kapasiteetti". The dashboard includes a timeline from 09.11 (maa) to 20.11 (per) and various service categories with their respective capacities:

Käytäntyyppi	Mitattavat	Toiminnot	Lisätyötoiminnot	Kysyntäkanavat	Capacity
ast	0h 0m	270	kirje	puh	45
tauko					15
					60

This screenshot shows the Microsoft Teams desktop client interface. The main window displays a capacity planning dashboard titled "Tasapainolaskuri - Mittauksen Käytäntyyppit". The dashboard includes a table for measurement types and their details:

Kuvaus	Lyhenne	Typpi	Aika	Jaettavissa
astmavastaanotto	ast	Sisäinen ja ulkoinen	45 min	<input type="checkbox"/>
kirjeaika	kirje	Sisäinen ja ulkoinen	15 min	<input type="checkbox"/>
soittoaika	puh	Sisäinen ja ulkoinen	15 min	<input type="checkbox"/>



Hospital capacity planning & tracking app

2) Capacity tracking app for mobile devices

Microsoft Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

Tasapainolaskuri - Suunniteltu kapasiteetti

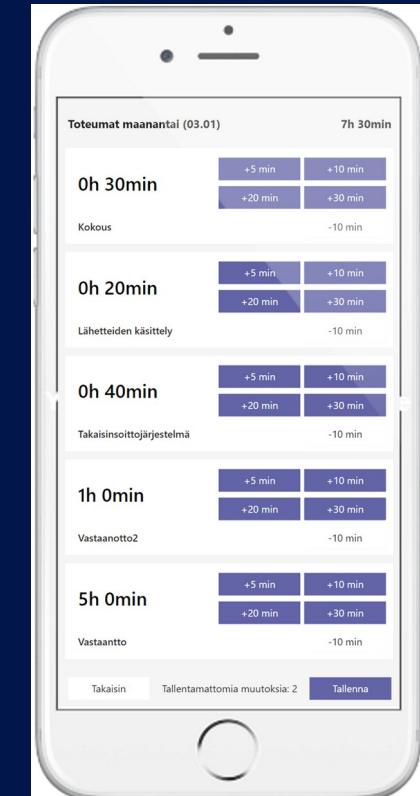
Etusivu	09.11 (maa)	10.11 (ti)	11.11 (kes)	12.11 (tor)	13.11 (per)	16.11 (maa)	17.11 (ti)	18.11 (kes)	19.11 (tor)	20.11 (per)
Perustiedot			0h 0m		8h 0m					
Käyntityypit	ast			270						
Mitattavat										
Toiminnot	kirje			45						
Lisätyötoiminnot	puh			15						
Kysyntäkanavat	tauko			60						

Microsoft Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

Tasapainolaskuri - Mittauksen Käyntityypit

Etusivu	Kuvaus	Lyhenne	Typpi	Aika	Jaettavissa
Perustiedot					
Käyntityypit					
Mitattavat					
Toiminnot					
Lisätyötoiminnot	astavaantotto	ast	Sisäinen ja ulkoinen	45	min
Kysyntäkanavat					
Ulkoinen kysyntä	kirjeaika	kirje	Sisäinen ja ulkoinen	15	min
Sisäinen kysyntä	soittoaika	puh	Sisäinen ja ulkoinen	15	min
Suunniteltu					
Toteutunut					



Hospital capacity planning & tracking app

3) Power BI report for tracking planned vs. actual capacity

Microsoft Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

Tasapainolaskuri - Suunniteltu kapasiteetti

Etusivu	09.11 (maa)	10.11 (ti)	11.11 (kes)	12.11 (tor)	13.11 (per)	16.11 (maa)	17.11 (ti)	18.11 (kes)	19.11 (tor)	20.11 (per)	
Perustiedot			0h 0m		8h 0m						
Käyntityyppi	ast			270							
Mitattavat											
Toiminnot	kirje			45							
Lisätöiminnot	puh			15							
Kysyntakanavat	tauko			60							

Tasapainolaskuri

Otsikko: Lastentautien poliklinikka (Timo) - Diabetes

Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

Tasapainolaskuri - Mittauksen Käyntityyppi

Etusivu	Kuvaus	Lyhenne
Perustiedot		
Käyntityyppi		
Mitattavat		
Toiminnot		
Lisätöiminnot	astmavastaanotto	ast
Kysyntakanavat	kirjeaka	kirje
Ulkoinen kysyntä		
Sisäinen kysyntä	soittoaka	puh
Suunniteltu		
Toteutunut		

Kysyntä päivittäin

Sisäinen (h) ● Ulkoinen (h)

Päivä	Sisäinen (h)	Ulkoinen (h)
1	8	5
2	3	2
3	2	1
4	2	2
5	7	3
6	8	2
7	6	2
8	3	2
9	4	2
10	3	2

Kokonaiskysyntä käyntityypeittäin

Sisäinen (h) ● Ulkoinen (h)

Käyntityyppi	Sisäinen (h)	Ulkoinen (h)
diabetes vastaanotto	40	10
soittoaka diabetes	10	10
kirjeaka diabetes	10	10

Suunniteltu vs toteutunut kapasiteetti

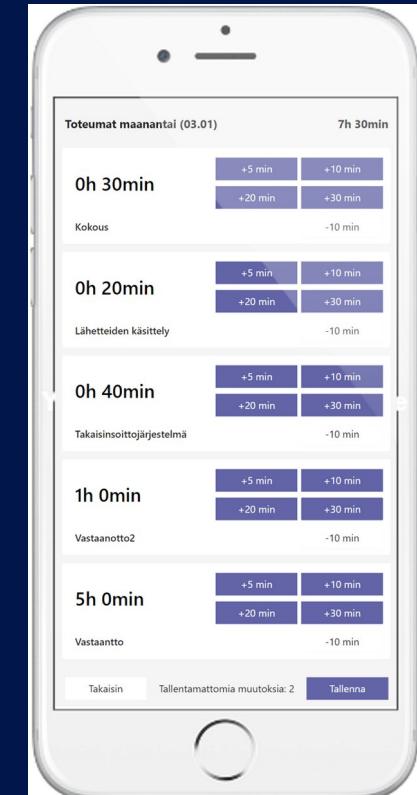
Toteutunut (h) ● Suunniteltu (h)

Toimintotyypit	Toteutunut (h)	Suunniteltu (h)
Muu työ	45	40
Vastaanottotyö	35	40
Toimintotyypit	15	10

Toteutunut kapasiteetti

Toimintotyypit: Muu työ ● Potilaaseen liittyvä työ ● Vastaanottotyö ● Suunnitteltu (h)

DayId	Muu työ	Potilaaseen liittyvä työ	Vastaanottotyö	Suunnitteltu (h)
1	10	5	5	10
2	15	5	5	15
3	5	5	5	5
4	5	5	5	5
5	5	5	5	5
6	5	5	5	5
7	15	5	5	15
8	10	5	5	10
9	15	5	5	15
10	5	5	5	5
11	10	5	5	10
12	10	5	5	10



IT Self-service app

Scenario

- Organization's need:
 - Allow employees to request services from IT, such as local admin rights to PC, installation of additional software, access to specific cloud services
- Starting point:
 - No formal intranet instructions page or forms for submitting requests, process handled via email, no central visibility to requests/approvals/delivery
- Solution on Dataverse for Teams:
 - Dataverse tables + IT Admin app developed into a team accessible by IT only
 - Employee facing IT Requests app published from that same team to the whole organization, pinned as a tab in common Teams channels
 - Request approval process managed via native MS Approvals app inside Teams, triggered and monitored via Power Automate cloud flows



IT Self-service app: employee

1) Employee browses the service catalog and selects a service

The screenshot shows the Microsoft Teams interface with the 'IT Self-service' app open. The left sidebar has icons for Activity, Chat, Teams, Calendar, Files, Tasks by Pl..., Power Aut..., and Apps. The main area shows the 'Teams' tab selected. The 'IT Self-service' app is pinned at the top. Below it, there's a search bar and a 'Meet' button. The 'IT Requests' tab is selected. On the left, a sidebar for the 'IT Self-service' app lists: Home, Services (highlighted with a yellow bar), New Request, My Requests, and Settings. The 'Services' section contains two service cards:

- Local admin user rights, temporary**: A person holding a blue checkmark icon. Description: When you need to install a specific application... Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem. Buttons: Request service, Read more.
- Local admin user rights, permanent**: A person sitting at a desk with a computer monitor. Description: This service is meant for users with... Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Buttons: Request service, Read more.



IT Self-service app: employee

2) Employee fills the service request form with justification details & accepts the terms

The screenshot shows the Microsoft Teams interface with the 'IT Self-service' app open. The left sidebar has icons for Activity, Chat, Teams, Calendar, Files, Tasks by Pl., Power Aut..., and Apps. The main area shows 'Your teams' with a 'PP' team selected. The 'IT Self-service' tab is active, showing a 'New service request' form. The form includes fields for 'Service' (set to 'Local admin user rights, temporary'), 'Justification' (text: 'I need to test one specific application on behalf of our customer, this installation requires admin rights.'), 'Service terms' (link to terms and a checked checkbox for accepting), and a large 'Send request' button. A sidebar on the right provides more information about local admin rights.

IT Self-service

Home Services New Request My Requests Settings

New service request

Service

Local admin user rights, temporary

Justification

I need to test one specific application on behalf of our customer, this installation requires admin rights.

Service terms

Click here to read the terms

I accept the terms

Send request

Local admin user rights, temporary

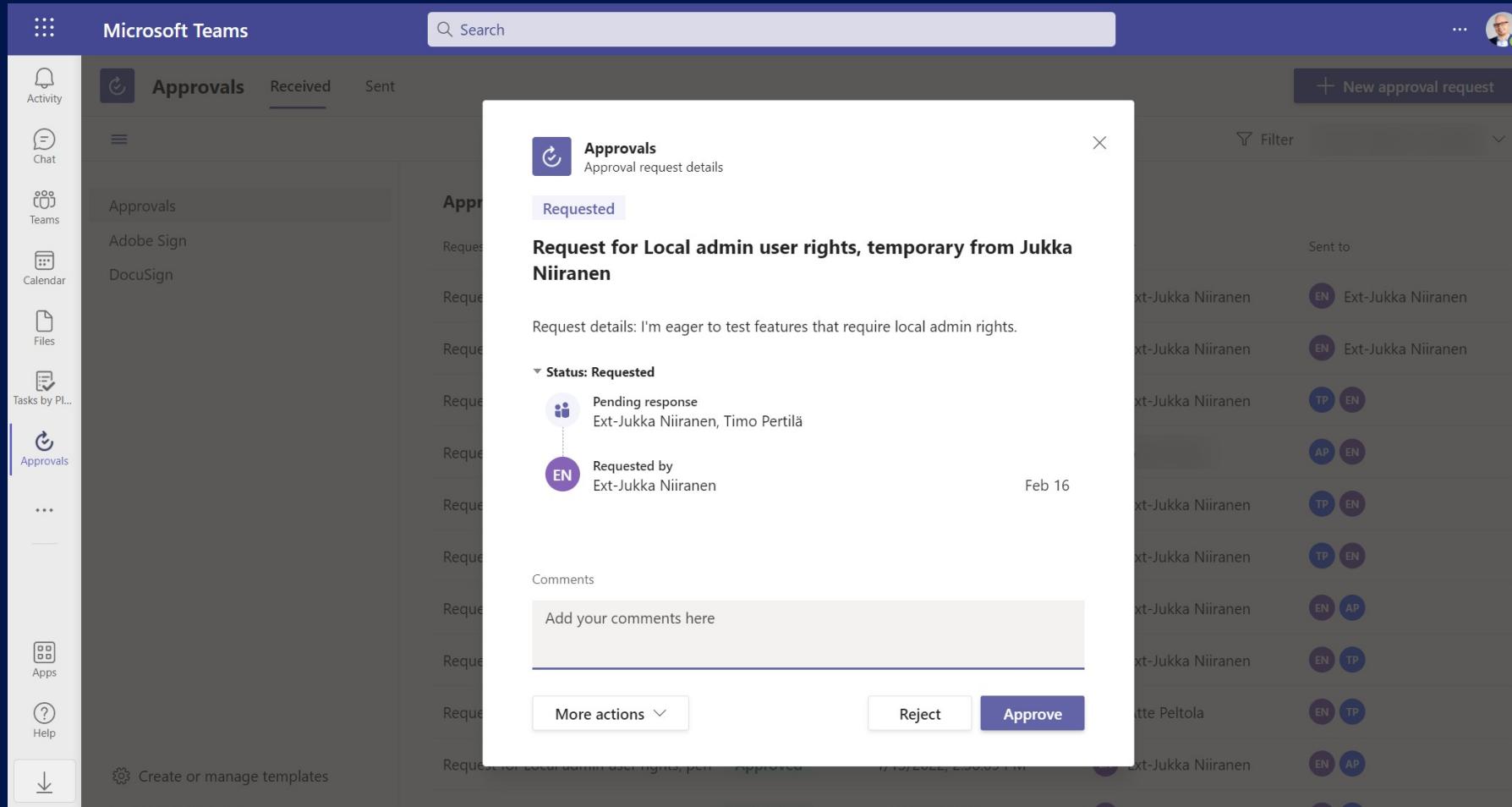
When you need to install a specific application...
Sed ut perspiciatis unde omnis iste natus error sit
voluptatem accusantium doloremque laudantium,
totam rem aperiam, eaque ipsa quae ab illo
inventore veritatis et quasi architecto beatae vitae
dicta sunt explicabo. Nemo enim ipsam

Read more



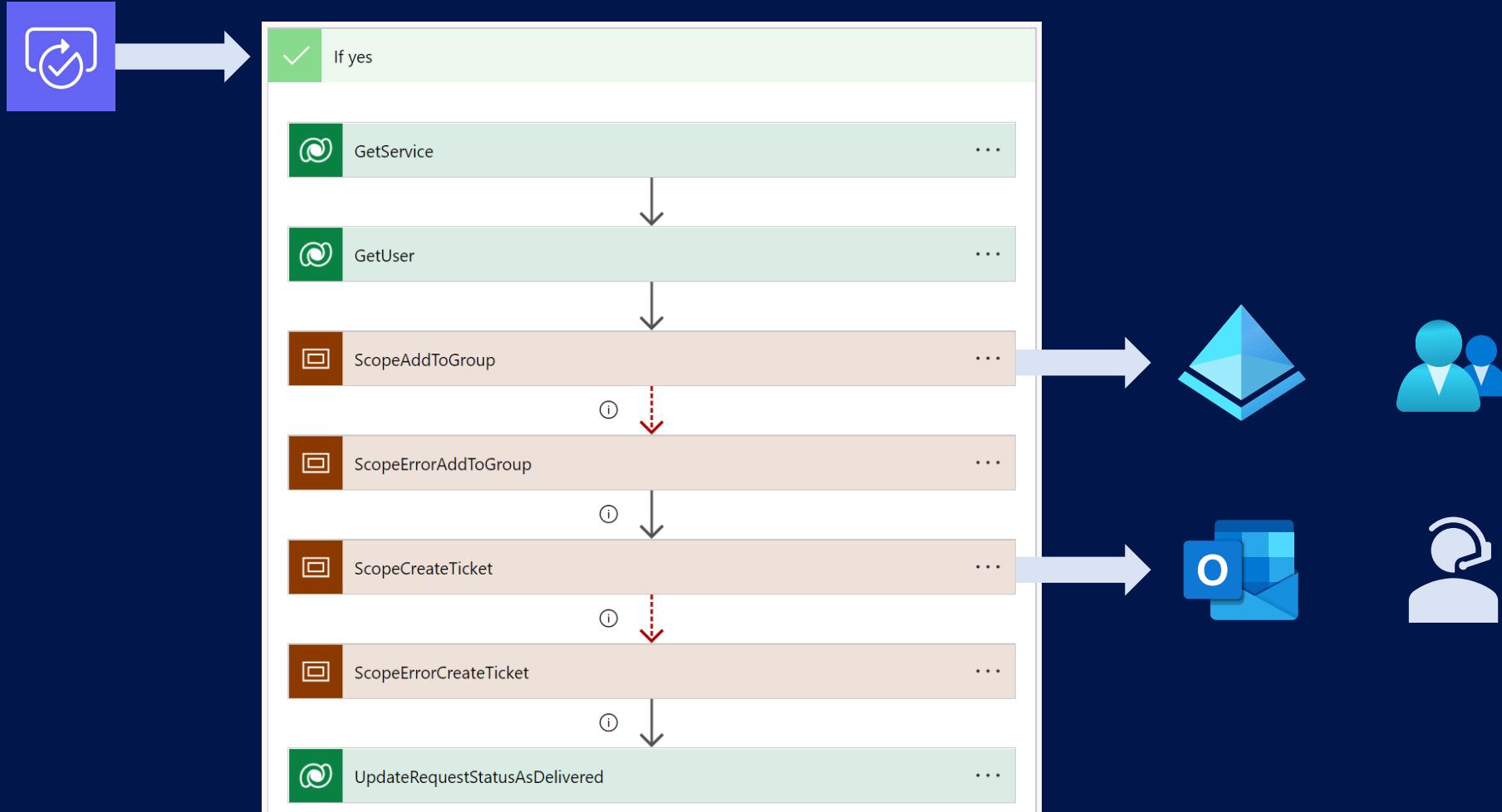
IT Self-service app: approval team member

3) Members of the approval team for the service get the employee's request for review



IT Self-service app: service delivery

4) Approved request results in either Azure AD group membership or email ticket to helpdesk



IT Self-service app: IT admin

5) Admin app provides overview and details of all request by status, service, user

The screenshot shows the Microsoft Teams application interface. In the top navigation bar, the 'Teams' tab is selected, and the 'IT Self-service' app is open. The app's title bar includes 'Posts', 'Files', and 'IT Requests Admin'. On the left, a sidebar menu for the app lists 'Home', 'Requests', 'Approvals', 'Users', 'Services', and 'Settings'. The main content area displays a summary of requests: 'Requests summary: 12 requests for 4 services' (last updated on 1/1/2022). It shows breakdowns by status (Pending: 6, Approved: 2, In Progress: 1, Delivered: 1, Rejected: 1) and service (Local admin user rights, temporary: 6; Local admin user rights, permanent: 3; Test Service 1: 2).

Status	Count
Pending	6
Approved	2
In Progress	1
Delivered	1
Rejected	1

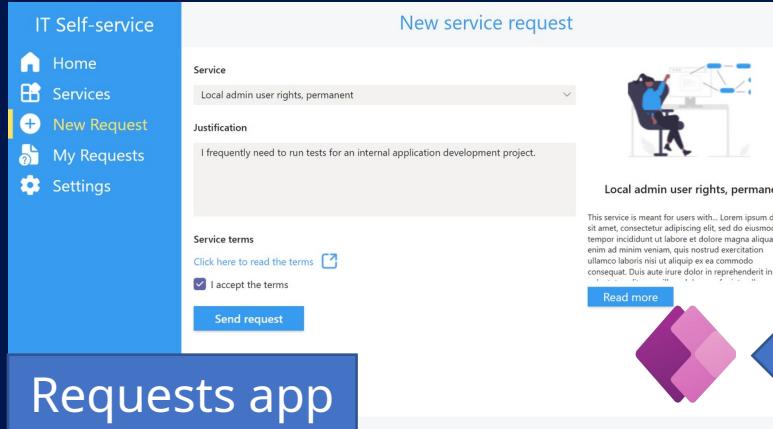
Service	Count
Local admin user rights, temporary	6
Local admin user rights, permanent	3
Test Service 1	2



IT Self-service app: team architecture

Data hosted in one Dataverse for Teams environment, shared to other teams for employee access

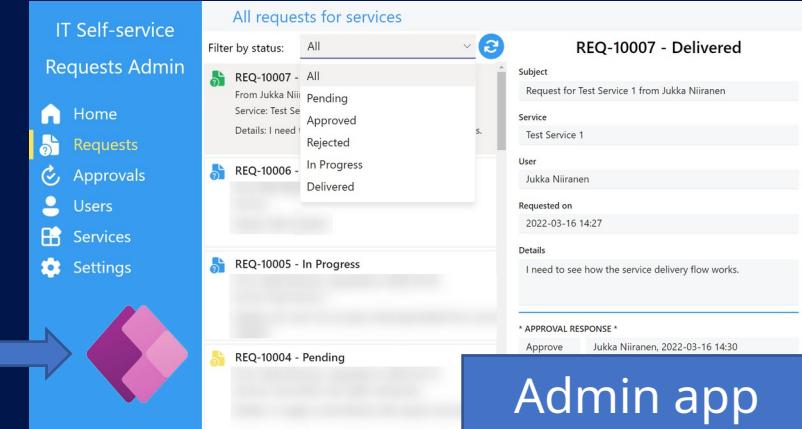
Access: shared to whole organization, available in any team



User

Requests app

Access: only members of the app's hosting team



Admin

- Services
- Approval Teams
- Requests
- Approvals
- Users/People

Dataverse for Teams



Approval team



Approvals app

Cloud flows

Azure AD group membership



Service desk ticket via email



#TeamsNation

When to use / not to use Dataverse for Teams





The “free” version can’t do everything

- Building apps for your team to replace Excels or MS Lists used in an encapsulated, independent process is a great fit for Dataverse for Teams
- Trying to develop an organization wide app or manage a critical business process with DV4T requires detailed understanding of what the technical limitations are
- These limitations are intentional – we aren’t likely to see Microsoft significantly enhance the DV4T feature set in the near future
- While you can always upgrade the environment from Teams to full Dataverse later, you should analyze the requirements upfront to avoid nasty surprises





Dataverse for Teams features

<p>Clients</p> <p>Microsoft Teams</p>	<p>Data</p> <p>Relational Basic data types Common data modeling (coming soon) Custom tables File + Image Find, filter, sort</p>	<p>Integration</p> <p>Power automate O365 and Microsoft Dataverse for Teams included, premium with license Data flows (import only)</p>	<p>Security + compliance</p> <p>Encryption at rest Encryption in transit Business unit (1 per team) Admin roles User roles</p>
<p>Environment lifecycle</p> <p>One environment per team Promote to common data service/D365 Backup Point-in-time restore Disaster recovery</p>	<p>App lifecycle</p> <p>Unmanaged solution (1 per team) Managed solution (gallery) Managed solution (classic import/export)</p>	<p>Business rules and workflows</p> <p>Power automate N/A</p>	<p>Reporting</p> <p>Data visualization Power BI</p>



Dataverse full feature set



Clients

Web
Mobile (power Apps/D365 Player)
Desktop
Microsoft Outlook
Microsoft Excel
Microsoft Teams

Data

Advanced Data Types
Activities/Activity Feeds
Common Data Model
Managed Lake
Mobile Offline
Non-Relational Log
Relevance Search
Virtual Entities
Relational
Basic Datatypes
Common Data Model
Custom Tables
File + Image, Find, Filter, Sort

Integration

API Access
Event to Event Hub
Events to Service Bus
Export to Lake
Plugins
Server-Side Sync
Web Hooks
Power Automate
O365 and Microsoft Dataverse for Teams included, Premium with license
Data Flows (Import only)

Security + compliance

Admin Roles
User Roles
Business units (multiple)
Customer Managed Keys
Hierarchical Security
Field Level Security
Sharing WS Trust/Legacy AuthN
Activity Logging
Auditing
Encryption at Rest
Encryption in Transit
Business units

Environment lifecycle

Unlimited environments
Reset
Copy
Promote to Dataverse/D365
Backup
Point-in-time Restore
Disaster Recovery

App lifecycle

Unmanaged solutions (unlimited)
Managed solutions (unlimited)

Business rules and workflows

Business Rules
Business Process Flows

Reporting

Paginated reports (SSRS)
Data Visualization
Power BI





Can your app live only within Teams?

- For processes that are already discussed and manually managed within Teams, having your apps there makes perfect sense
- However, if you need to provide access to users who perform a bulk of their tasks elsewhere, this may become a real barrier for adoption
- Mobile use cases are especially cumbersome, since users can't pin their Power Apps onto phone start screens the way full Dataverse apps would be supported
- Opening a DV4T app in a browser tab is supported – but only if you have a premium Power Apps license



Find the right platform for experimentation



- Sometimes you need a way to have real users interact with your app “in preview”, before committing to developing the final production solution
- Dataverse for Teams is a great option for this, with no extra license purchases required beyond Microsoft 365
- If you know you'll eventually need more than DV4T can support, though, consider an alternative to use full Dataverse right from the start
- **Pay-as-you-go** licensing model for Power Apps could be a solution
 - No upfront commitment on number of licensed users, pay only for users who've launched the app during the month
 - Create dev/test/prod environments on-demand, pay for the storage capacity consumed
 - Billed via Azure subscriptions, consumption can be monitored via Azure Cost Management



Environment sprawl is very real

- Anyone can create a Dataverse for Teams environment if they are a team member
- Environments will get created accidentally, or intentionally without full understanding of the implications
- Establish a governance policy early on to determine the allowed usage and ownership concept for environments
- Leverage the templates available in Power Platform Center of Excellence (CoE) Starter Kit for managing Dataverse for Teams environments: [\[link\]](#)

The screenshot displays two notifications from Microsoft Power Automate.

Power Automate 14/10/21 11:06:

Your Teams environment: [REDACTED] ...

Your [REDACTED] power platform environment might get deleted if the business justification is rejected or if you do not provide a business justification.

Microsoft Dataverse for Teams is an exciting new capability that integrates Teams with the Power Platform. Using Dataverse for Teams, anyone can make and deploy apps, flows, and chatbots directly within Teams. Note: As this is a limited capability, please be mindful of others. Create just the environments that you need to support your business process

If the environment you just created is for a production use case, please provide a business justification.

Business Justification: [Large empty text area]

FF Admin [REDACTED] used Power Automate to send this notification. [Learn more](#)

Submit

Power Automate 26/10/21 08:10:

Your Microsoft Teams environment: [REDACTED]

Your Microsoft Teams Power Platform environment has been deleted, as you did not provide a business justification or your provided justification has been rejected by the reviewer.

FF Admin [REDACTED] used Power Automate to send this notification. [Learn more](#)



#TeamsNation

Closing thoughts



Embrace DV4T with these things in mind

- Dataverse for Teams plays a critical role in the “Teams OS” story, while full Dataverse puts the “platform” in Power Platform
- Expect to find some quirks in the DV4T app maker experience, especially if you come from the full Dataverse / Dynamics 365 side
- Despite of the intentional limitations in Dataverse for Teams, there are plenty of scenarios where the licensing model strongly favors designing your app within these boundaries
- Don’t bet your low-code strategy only on the Microsoft 365 feature set – prepare to also consume premium Power Apps/Automate licenses where it makes sense
 - Admin/governance capabilities, more complex apps, connecting to external data



THANK YOU, TEAMS NATION!

Any questions in mind?

Slides will be
here (shortly...)



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