

#TeamsNation

# Dataverse meets Teams: Low-code app opportunities for everyone

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Microsoft Teams 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

- [jukkaniiranen.com](http://jukkaniiranen.com)
- [@jukkan](https://twitter.com/jukkan)
- [/in/jukkaniiranen/](https://www.linkedin.com/in/jukkaniiranen/)



# 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 <sup>st</sup> Enterprise App: \$95 (allows custom app creation in the context of the originally licensed app)



# Key benefits of Dataverse for Teams

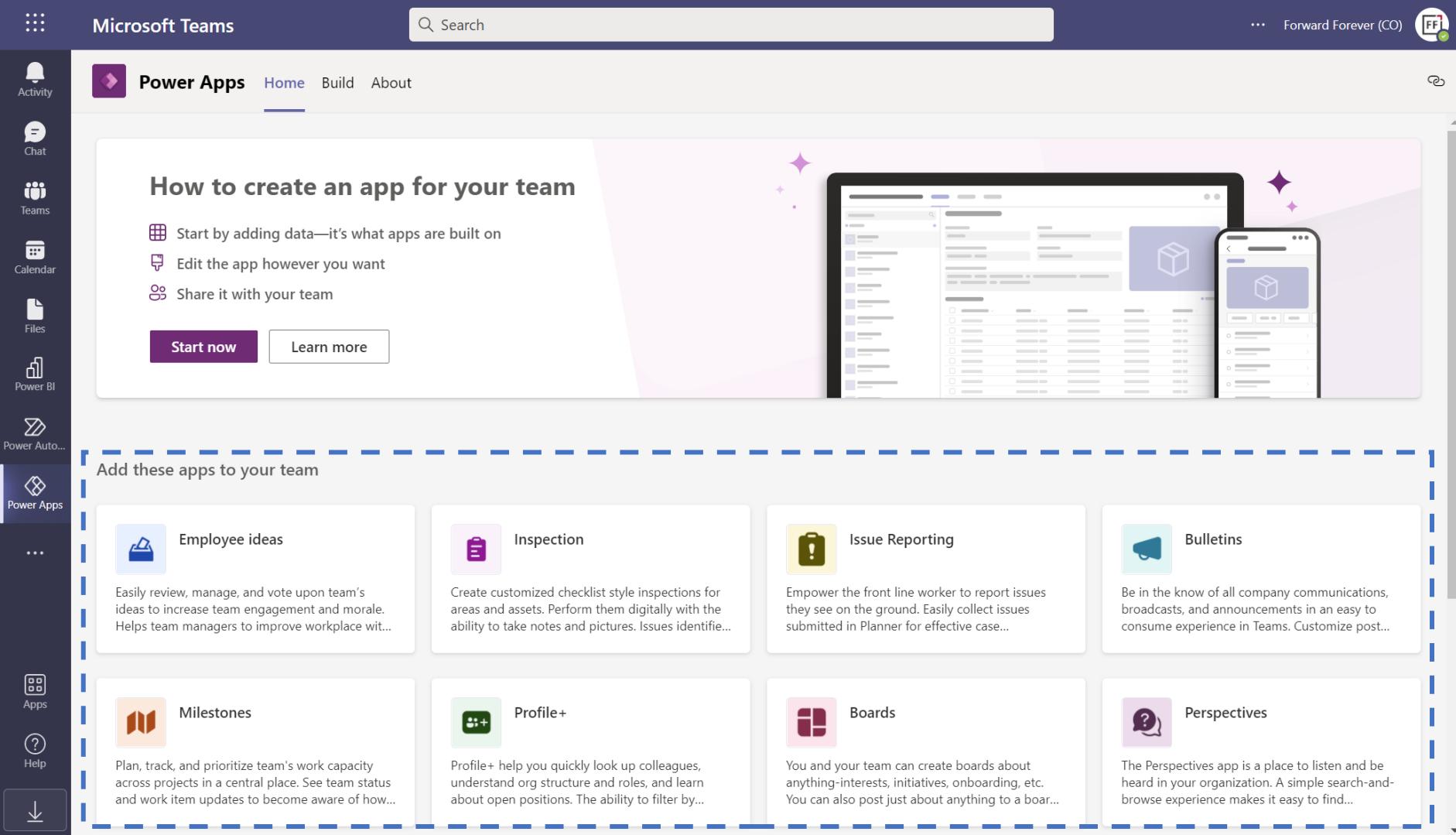


- Available to every Microsoft Teams user
- Better foundation for app data model than Microsoft Lists (SharePoint)
- Self-service management of Dataverse environment, users are tightly coupled with the team's roles (owner, member, guest – “OMG”)
- Simplified feature set aimed at citizen developers (vs. 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 top navigation bar includes 'Microsoft Teams', a search bar, and a user profile for 'Forward Forever (CO)' with a green checkmark. The left sidebar has a 'Power Apps' icon highlighted, along with 'Activity', 'Chat', 'Teams', 'Calendar', 'Files', 'Power BI', 'Power Auto...', and 'Power Apps'. The main content area has a heading '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'. It features a 'Start now' button and a 'Learn more' link. Below this, a section titled 'Add these apps to your team' lists eight sample apps:

- 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 identifie...
- 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...

At the bottom right, there is a Microsoft Teams logo icon.

# 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



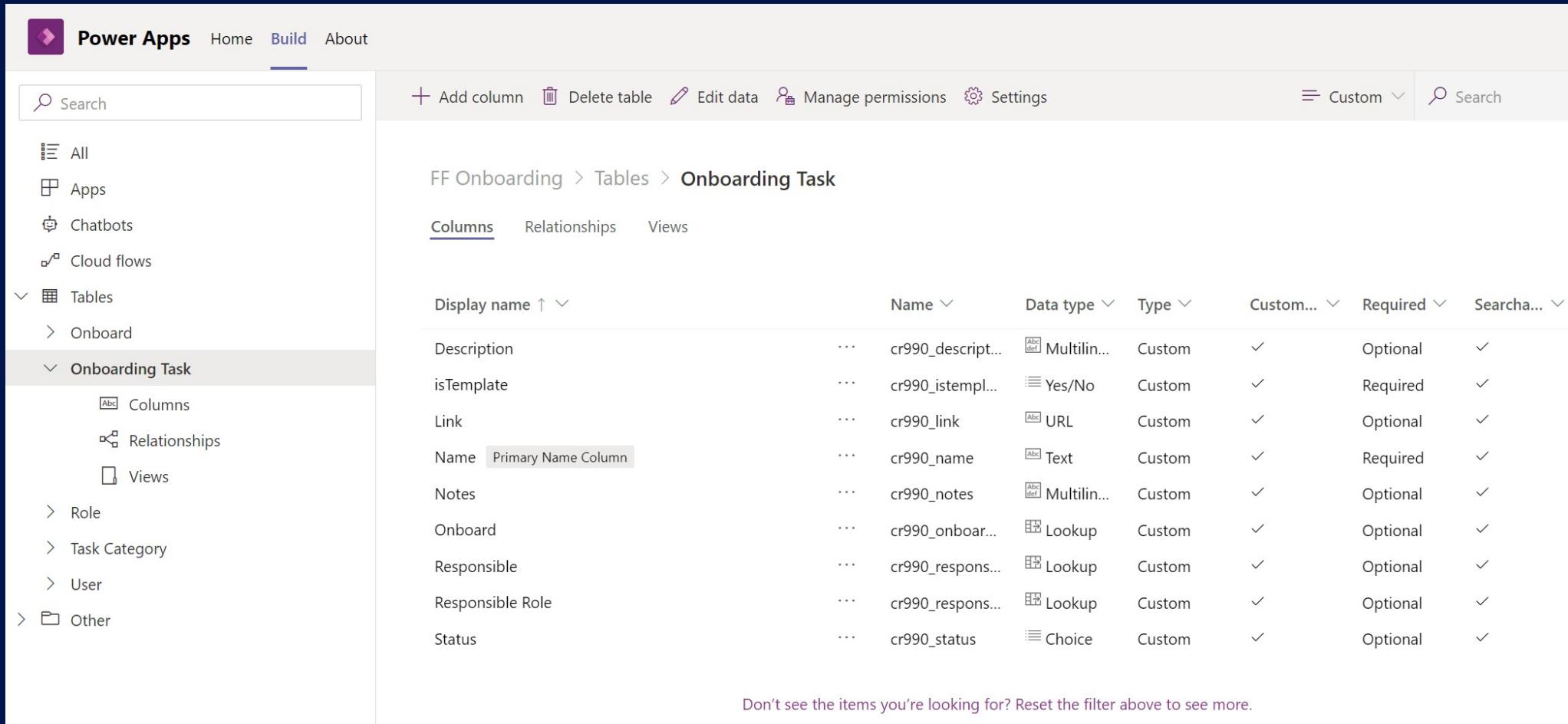
# Onboarding app

## 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 interface for managing tables. The left sidebar shows navigation options like All, Apps, Chatbots, Cloud flows, Tables, Onboard, Onboarding Task (selected), Role, Task Category, User, and Other. The main area displays the 'Onboarding Task' table structure under 'FF Onboarding > Tables > Onboarding Task'. The table has the following columns:

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 <span style="border: 1px solid #ccc; padding: 2px;">Primary Name Column</span>	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:

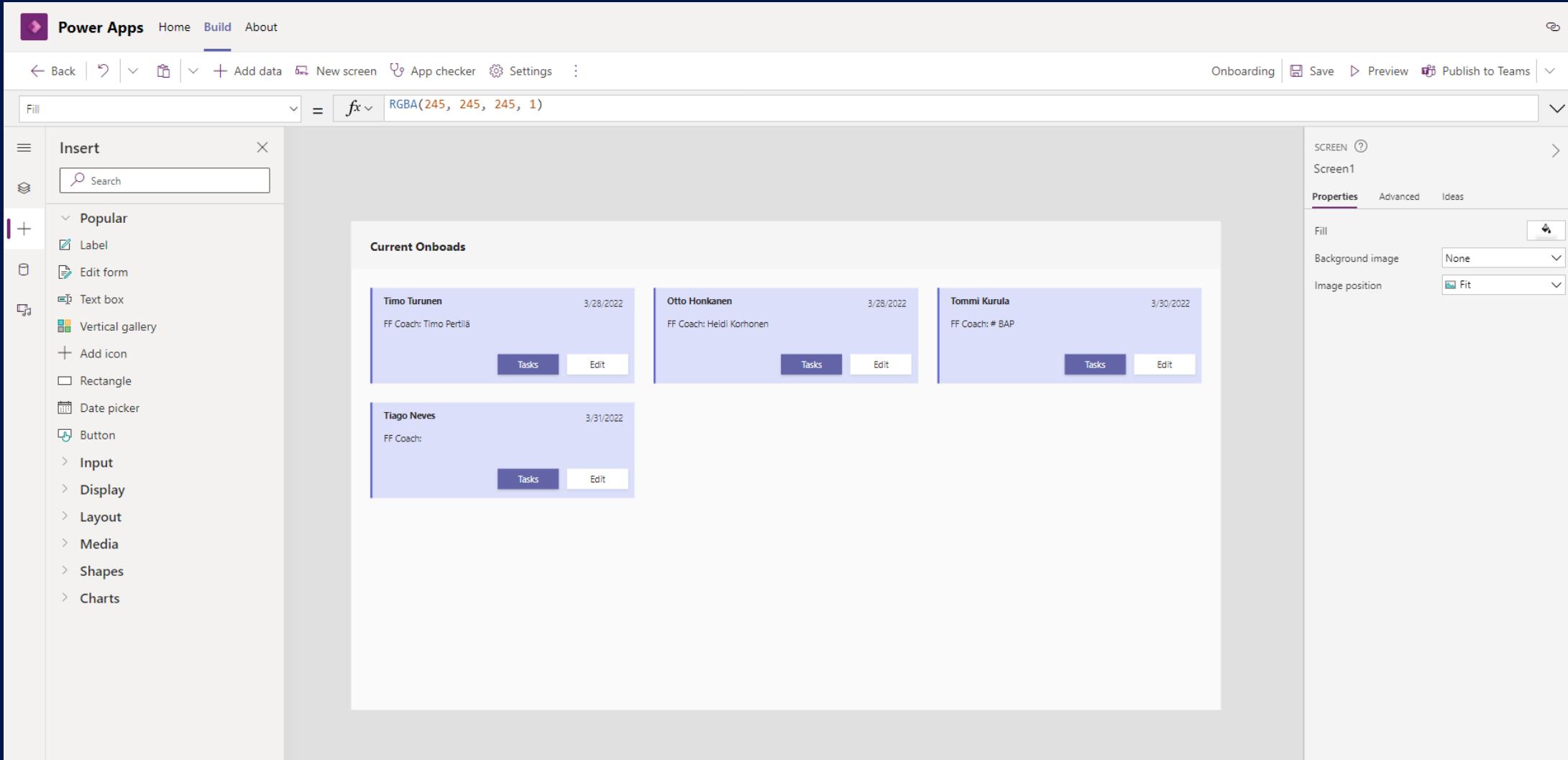
Responsible:

Notes:

Delete Edit



# Custom card UI for the employee list



The screenshot shows the Power Apps Build environment with a custom card UI for an employee list. The card displays employee details and actions.

**Current Onboards**

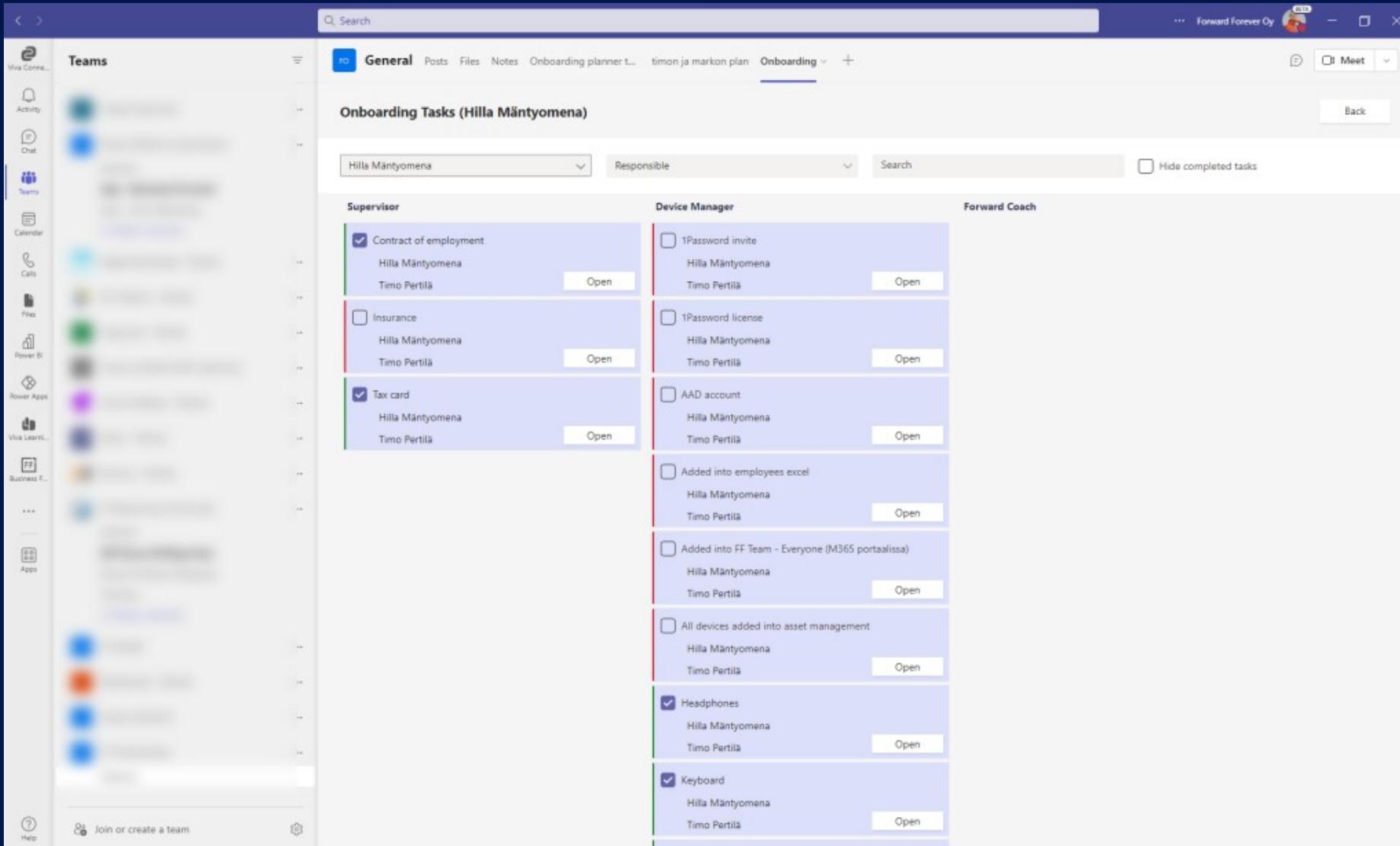
Employee Name	Onboard Date	Actions
Timo Turunen	3/28/2022	Tasks Edit
Otto Honkanen	3/28/2022	Tasks Edit
Tommi Kurula	3/30/2022	Tasks Edit
Tiago Neves	3/31/2022	Tasks Edit

**Properties**

- Fill: `RGB(245, 245, 245, 1)`
- Background image: None
- Image position: Fit



# Final app published to a team's channel



The screenshot shows a Microsoft Teams channel named "General" with a tab for "Onboarding". The channel header includes a search bar, a user profile for "Forward Forever Oy", and standard Microsoft Teams navigation buttons. The main content area is titled "Onboarding Tasks (Hilla Mäntyomena)". It displays a list of tasks categorized by supervisor: "Supervisor", "Device Manager", and "Forward Coach". Each task row includes a checkbox, the task name, the supervisor's name, the responsible person's name, and an "Open" button. The tasks listed 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 channel, there are buttons for "Join or create a team" and a gear icon for settings. The left sidebar shows the "Teams" tab is selected, along with other Microsoft 365 and Teams-related icons.



# Hospital capacity planning & tracking app

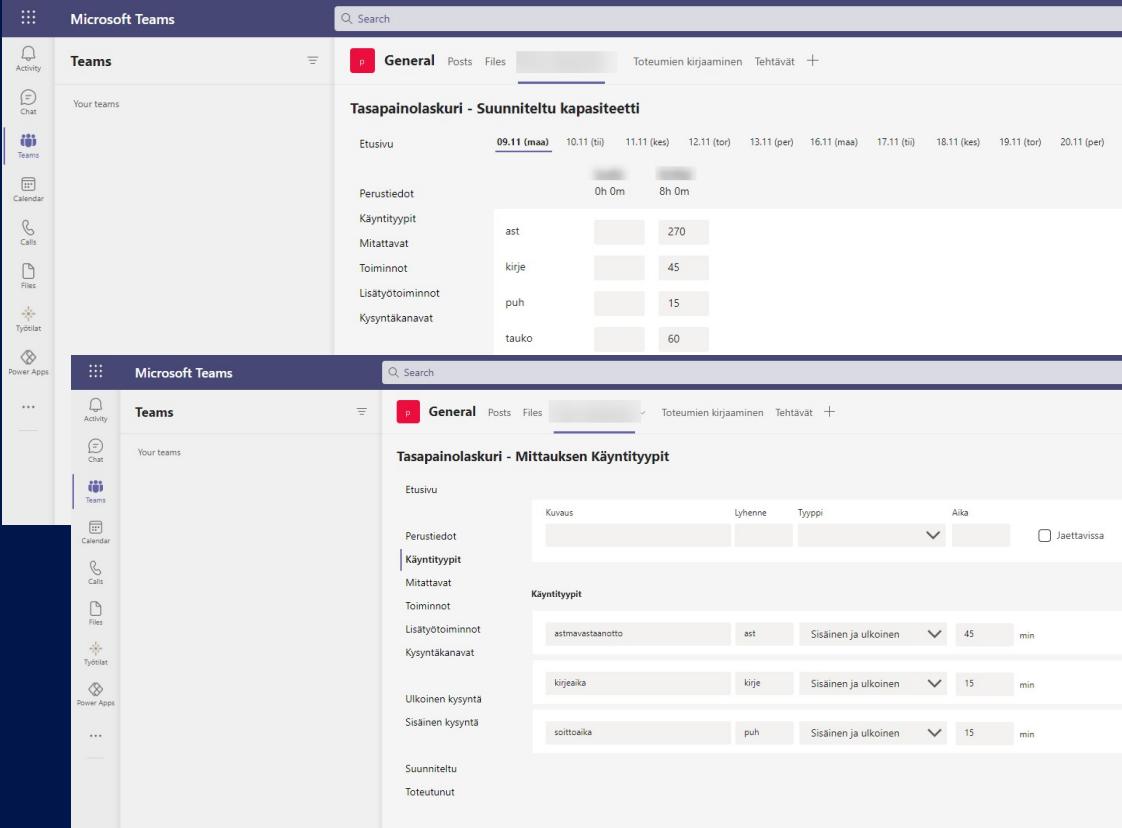
## Scenario

- 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



The image displays two side-by-side screenshots of the Microsoft Teams desktop client interface, showing capacity planning dashboards.

**Top Screenshot (General View):**

The title is "Tasapainolaskuri - Suunniteltu kapasiteetti". The dashboard shows the following data:

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								
Lisätytoiminnot	puh	15								
Kysyntäkanavat	tauko	60								

**Bottom Screenshot (Detailed View):**

The title is "Tasapainolaskuri - Mittauksen Käyntityypit". The dashboard shows the following data:

Etusivu	Kuvaus	Lyhenne	Typpi	Aika	Jaettavissa
Perustiedot					<input type="checkbox"/>
Käyntityypit					
Mitattavat					
Toiminnot					
Lisätytoiminnot	astmavastaanotto	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

## 2) Capacity tracking app for mobile devices

Microsoft Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

### Tasapainolaskuri - Suunniteltu kapasiteetti

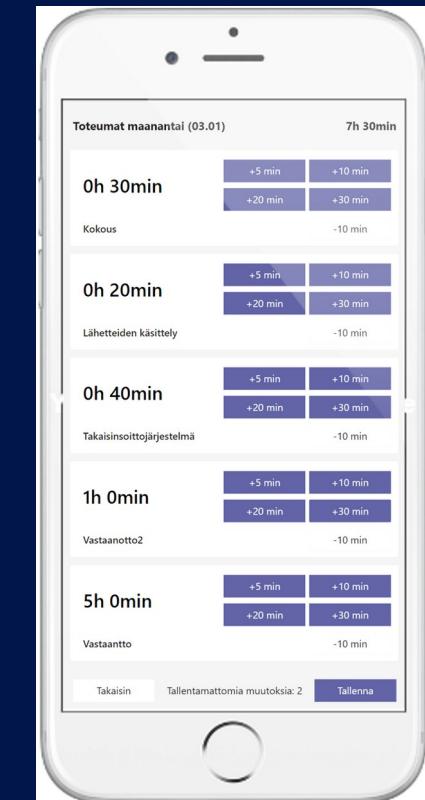
Etusivu	09.11 (maa)	10.11 (ti)	11.11 (kes)	12.11 (tor)	13.11 (per)	16.11 (maa)	17.11 (ti)	18.11 (kes)	19.11 (tor)	20.11 (per)
Perustiedot		0h 0m	8h 0m							
Käyntityypit	ast		270							
Mitattavat										
Toiminnot	kirje		45							
Lisätyötoiminnot	puh		15							
Kysyntäkanavat	tauko		60							

Microsoft Teams

General Posts Files Toteumien kirjaaminen Tehtävät +

### Tasapainolaskuri - Mittauksen Käyntityypit

Etusivu	Kuvaus	Lyhenne	Typpi	Aika	Jaettavissa
Perustiedot					<input type="checkbox"/>
Käyntityypit					
Mitattavat					
Toiminnot	Käyntityypit				
Lisätyötoiminnot	astmavastaanotto	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

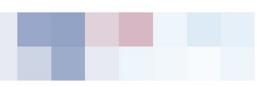
## 3) Power BI report for tracking planned vs. actual capacity

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							



Otsikko: Lastentautien poliklinikka (Timo) - Diabetes

### Tasapainolaskuri

Kysyntä Kapasiteetti Tasapaino Muut Muut 2 Muut 3

#### Kysyntä päivittäin

Sisäinen (h) ● Ulkoinen (h)

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

#### Kokonaiksyntä käyntityyppiittäin

Sisäinen (h) ● Ulkoinen (h)

Käyntityyppi	Sisäinen (h)	Ulkoinen (h)
diabetes vastaanotto	40	10
soittoaika diabetes	10	10
kirjeaika diabetes	10	10

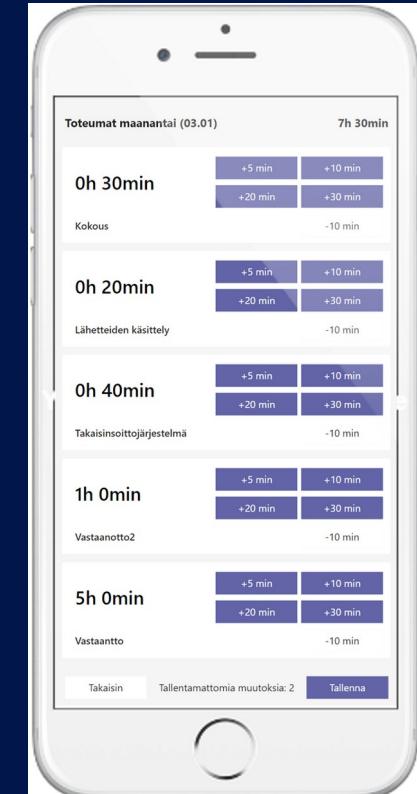
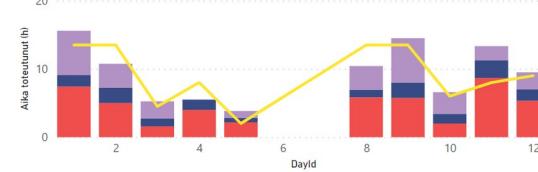
#### Suunniteltu vs toteutunut kapasiteetti

Toteutunut (h) ● Suunniteltu (h)

Toimintotyyppi	Toteutunut (h)	Suunniteltu (h)
Muu työ	45	40
Vastaanottotyö	30	40
Potilaaseen liittyvä työ	10	10

#### Toteutunut kapasiteetti

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



# IT Self-service app

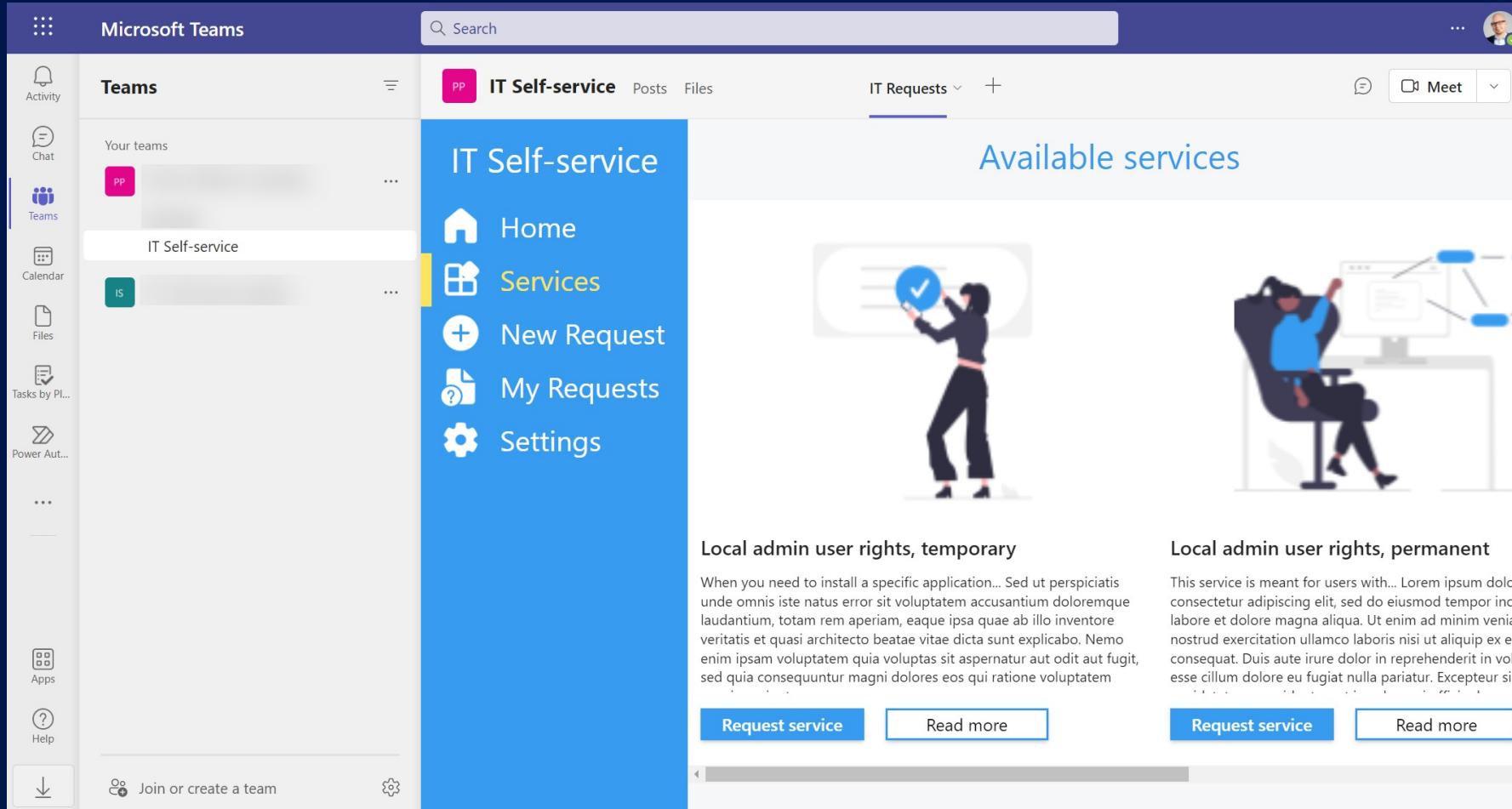
## Scenario

- 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 to the top of the app list. The app's sidebar includes 'Home', 'Services' (highlighted in yellow), 'New Request', 'My Requests', and 'Settings'. The 'Available services' section displays two services: 'Local admin user rights, temporary' and 'Local admin user rights, permanent'. Each service has a 'Request service' button and a 'Read more' link. The 'Local admin user rights, temporary' service has a description about installing specific applications and a placeholder text block. The 'Local admin user rights, permanent' service has a similar description and a longer placeholder text block.

IT Self-service

Home

Services

New Request

My Requests

Settings

Available services

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 voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem

Request service

Read more

Local admin user rights, permanent

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.

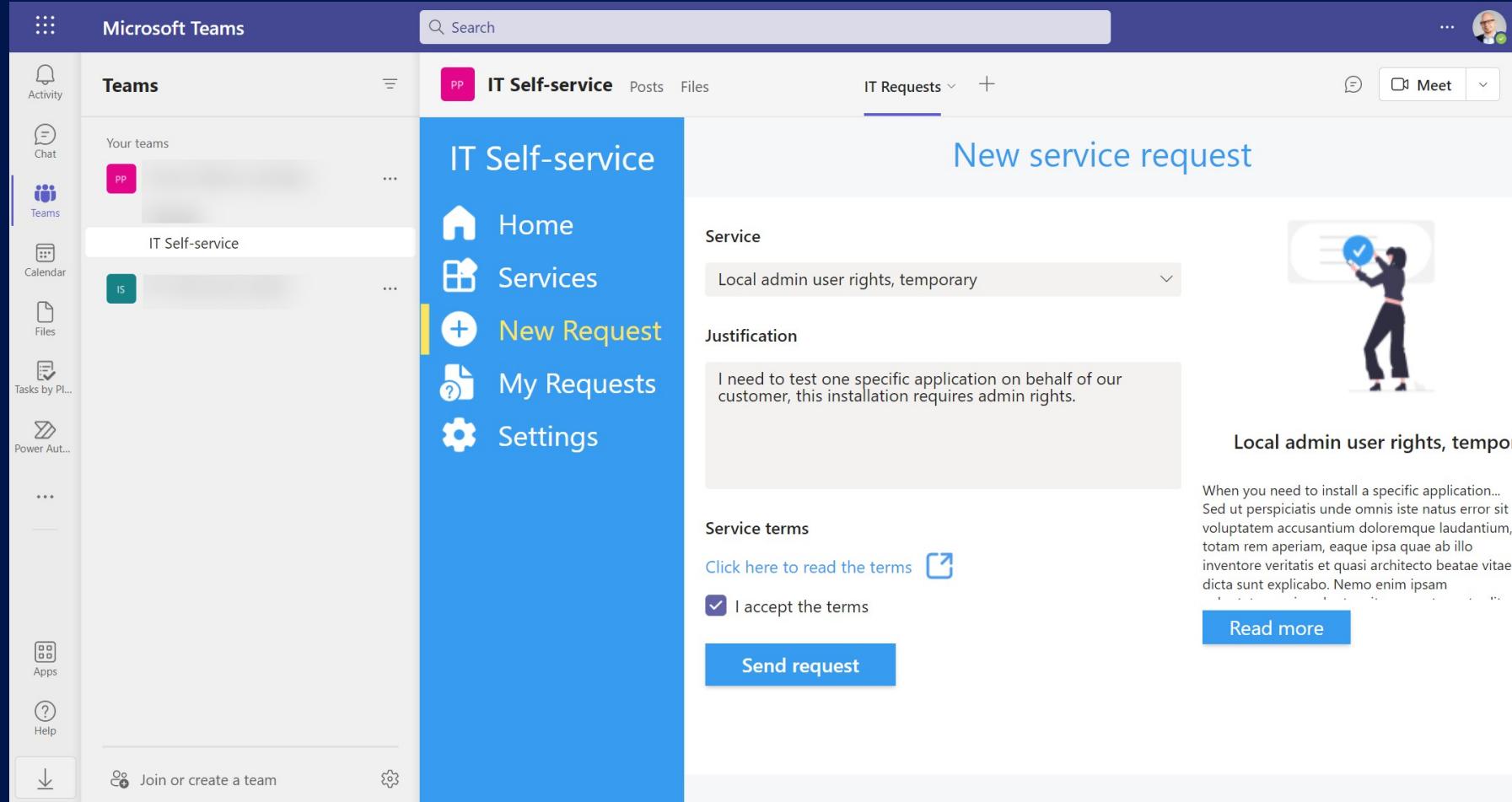
Request service

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 lists various Teams, and the main content area displays the 'IT Self-service' app's 'New service request' form. The form includes fields for 'Service' (set to 'Local admin user rights, temporary'), 'Justification' (describing the need for admin rights to test an application), 'Service terms' (with a link to read them and an 'I accept the terms' checkbox), and a 'Send request' button. A sidebar on the right provides additional 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

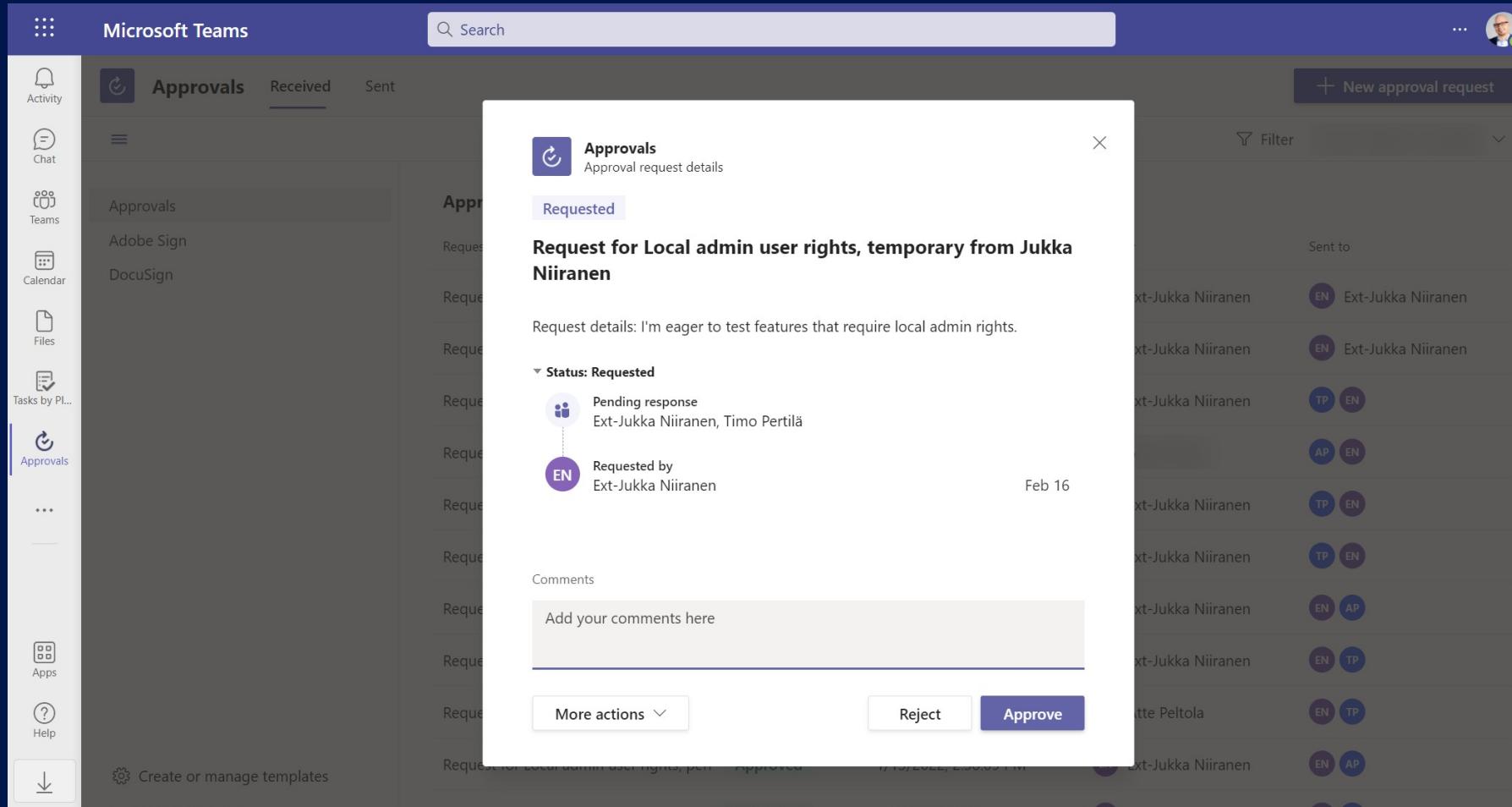
When you need to install a specific application...  
Sed ut perspiciatis unde omnis iste natus error sit  
voluptatem accusantium doloremque laudantium,  
totam rem aperiam, eaque ipsa quae ab illo  
inventore veritatis et quasi architecto beatae vitae  
dicta sunt explicabo. Nemo enim ipsam

Read more



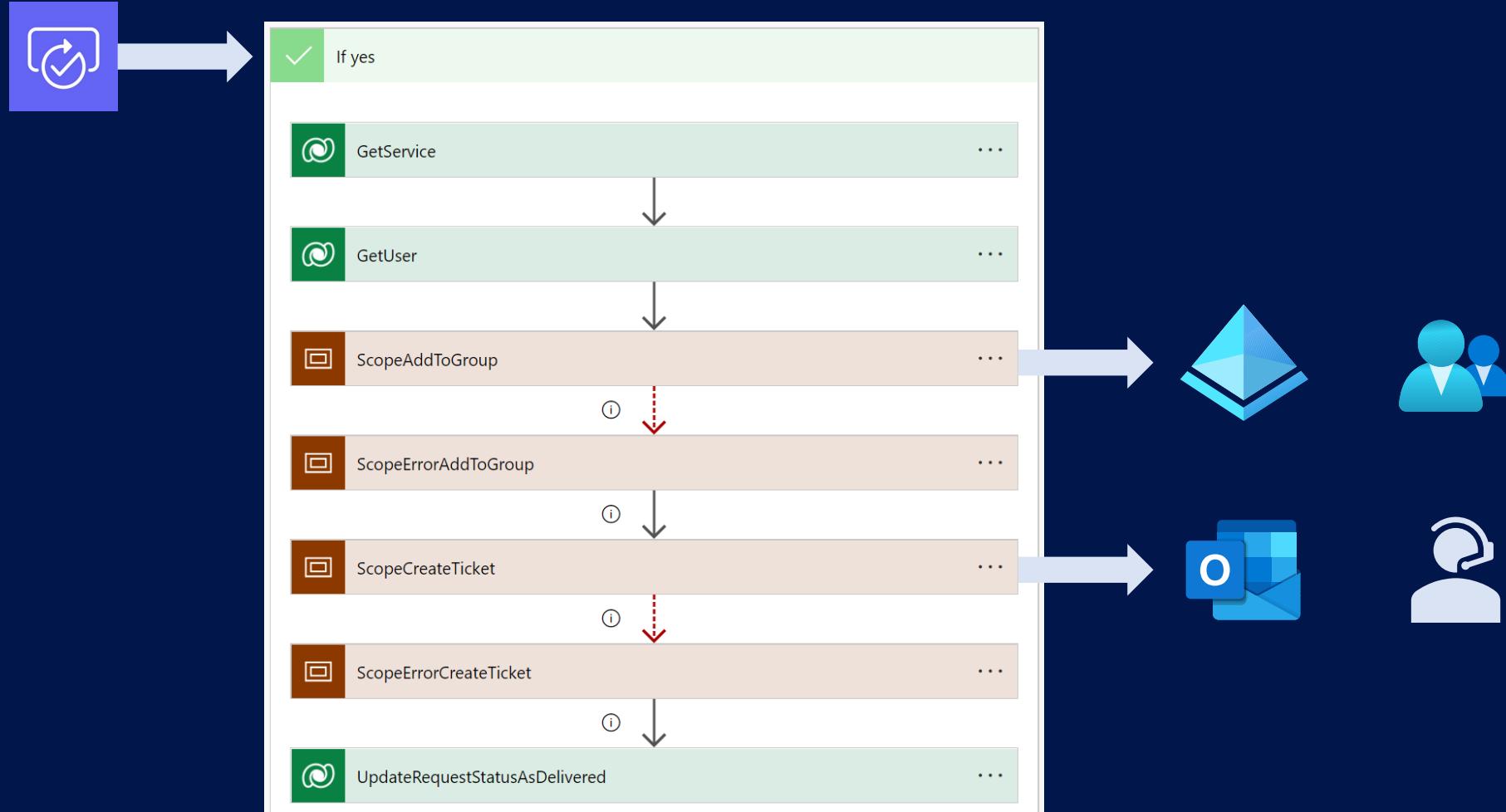
# IT Self-service app: approval team member

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



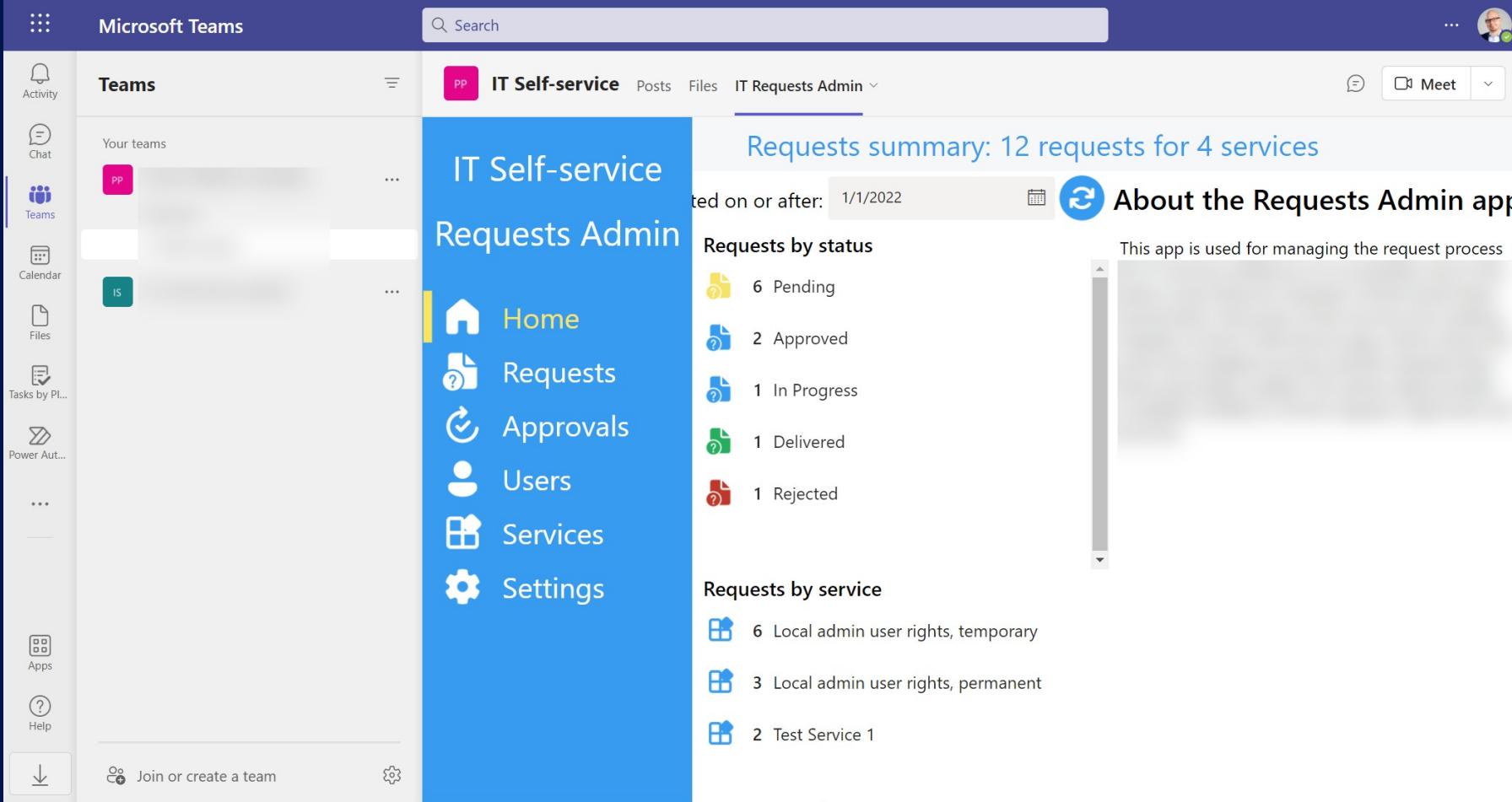
# IT Self-service app: service delivery

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 interface with the 'IT Self-service' app open. The app's navigation bar includes 'Home', 'Requests', 'Approvals', 'Users', 'Services', and 'Settings'. The main content area displays a summary of 12 requests for 4 services, filtered by creation date (1/1/2022). The summary is as follows:

Request Type	Count
Pending	6
Approved	2
In Progress	1
Delivered	1
Rejected	1

Below this, there are sections for 'Requests by service' and 'Requests by status'.

**Requests by service:**

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

**Requests by status:**

- 6 Pending
- 2 Approved
- 1 In Progress
- 1 Delivered
- 1 Rejected

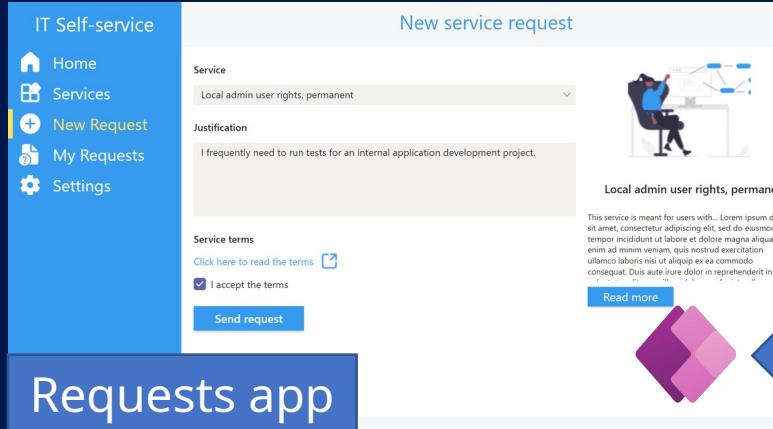
**About the Requests Admin app:** This app is used for managing the request process.



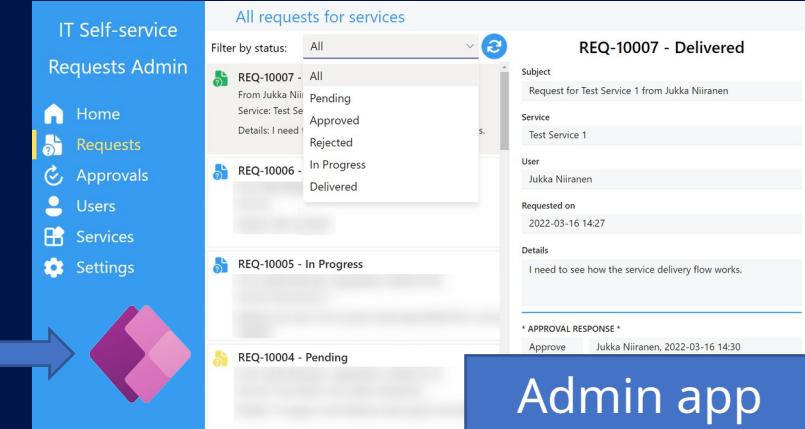
# IT Self-service app: team architecture

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

Access: shared to whole organization, available in any team



Access: only members of the app's hosting team



Approva  
l team



Approvals  
app



Cloud  
flows

Azure AD group  
membership



Service desk ticket via email



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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



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



# 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

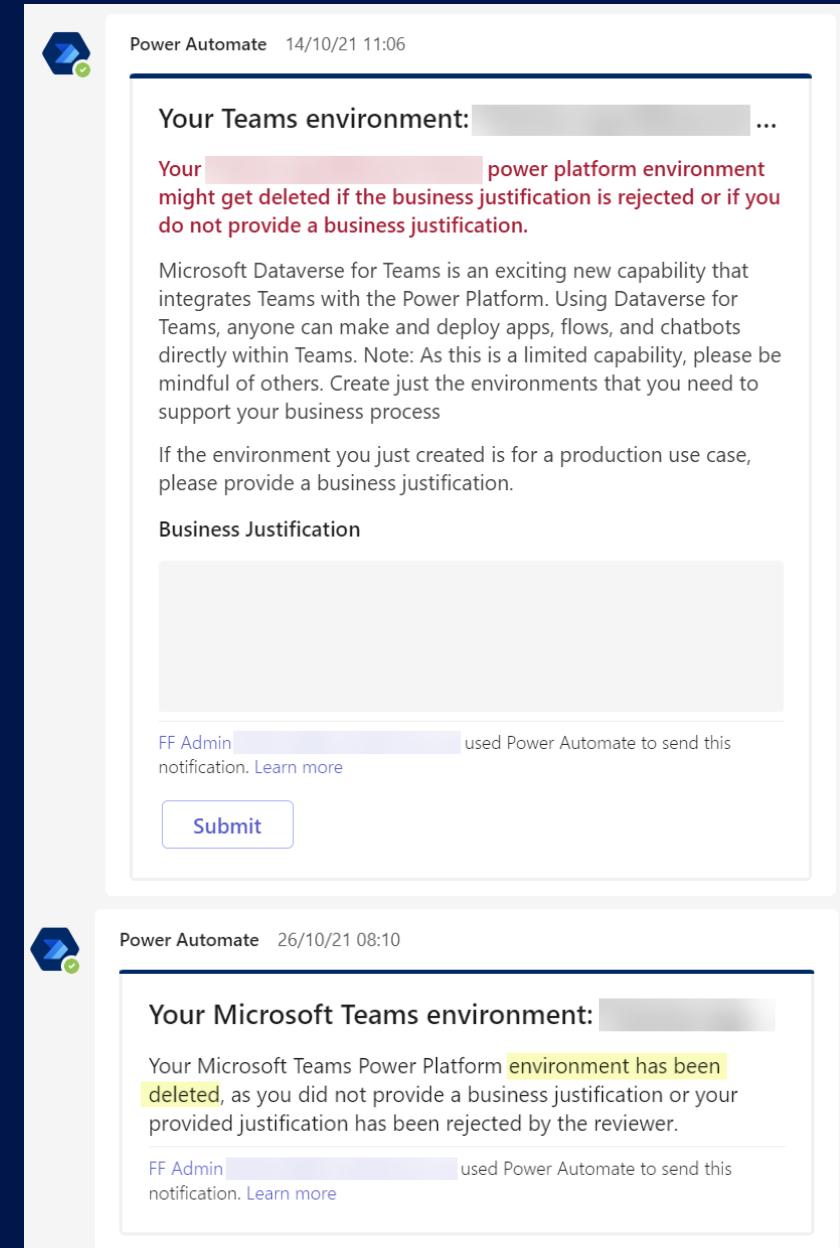


- Sometimes you need a way to have real users interact with your app “in preview”, before committing to developing the final production solution
- Dataverse for Teams is a great option for this, with no extra license purchases required beyond Microsoft 365
- If you know you'll eventually need more than 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 Power Automate. The top notification, dated 14/10/21 11:06, is titled 'Power Automate' and shows a message: '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.' It includes a note about Microsoft Dataverse for Teams and a 'Business Justification' input field. The bottom notification, dated 26/10/21 08:10, is also titled 'Power Automate' and shows a message: '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.' It includes a note about the deletion and a 'Submit' button.

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

FF Admin 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 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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