

A photograph showing a group of people in a conference room, seated around a long table. They are all focused on their work, with laptops open and screens visible. The room has a modern feel with large windows in the background.

Get inspired with
Microsoft 365 apps

Have a seat with Microsoft 365 developer platform

Thursday 5th of May 2022



Welcome and introductions

Waldek Mastykarz - @waldekm – Microsoft
Vesa Juvonen - @vesajuvonen - Microsoft



Presenters of today



Albert-Jan Schot
CTO
BLIS.digital



Paolo Pialorsi
Solution Architect
PiaSys



Rick Van Rousselt
CTO
Advantive



Stephan Bisser
Technical Lead
Solvion



Thomas Gölles
Head of modern
Workplace Solutions
Solvion



Waldek Mastykarz
Cloud Advocate
Microsoft

Vesa Juvonen
Product Manager
Microsoft



Scenario Solution Overview

Business scenario for the solution

Let employees book working space in their office

Make finding a spot and checking in as seamless as possible

Allow facilities to manage bookings and report usage

Bring the solution to where employees are

Solution experience

SafeDesk365.TeamsTab Personal Tab About

My upcoming bookings

Book

Desk	Location	Date	TimeSlot	
Desk01	Headquarter	02/05/2022	Morning	Delete

...

SafeDesk365

Bookings & Check-ins per desk

When are the most bookings

5.00 Average of Coffee Machine Distance

1.90 Average days booked in advanced

Booking Slot

Booking

Checkin

Checkout

Booking & Checkins and Checks

Booking

Checkin

Checkout

Booking, Checkins and Checkouts by Day

Booking & Checkins and Checks

Booking

Checkin

Checkout

Day

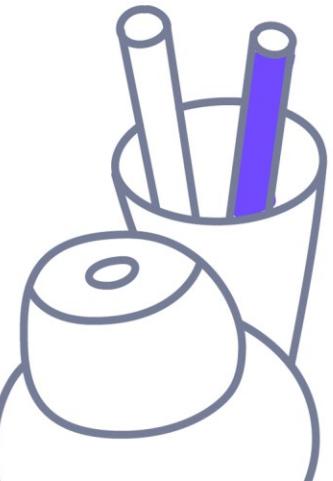
The screenshot shows the Microsoft Viva Connections interface at the top, featuring sections for Approvals, Assigned Tasks, and Safe Desk 365 booking. Below this, the Desky integration is displayed, showing a welcome message from Desky, booking options, and a booking confirmation message. The left sidebar includes links for Compose, Activity, Chat, Teams, Calendar, Files, Desky, and Developer. The bottom navigation bar has icons for Apps, Help, and a message input field.

Manage Bookings

Paolo Pialorsi

Here are your bookings:

ID	Desk Code	Date	Time Slot	Location	Action
42	Desk02	Mon May 02 2022	Morning	Seattle	
43	Desk03	Mon May 02 2022	Afternoon	San Diego	
44	Desk01	Wed May 04 2022	Morning	Headquarter	
45	Desk01	Tue May 03 2022	Morning	Headquarter	
49	Desk02	Wed May 04 2022	Afternoon	Seattle	

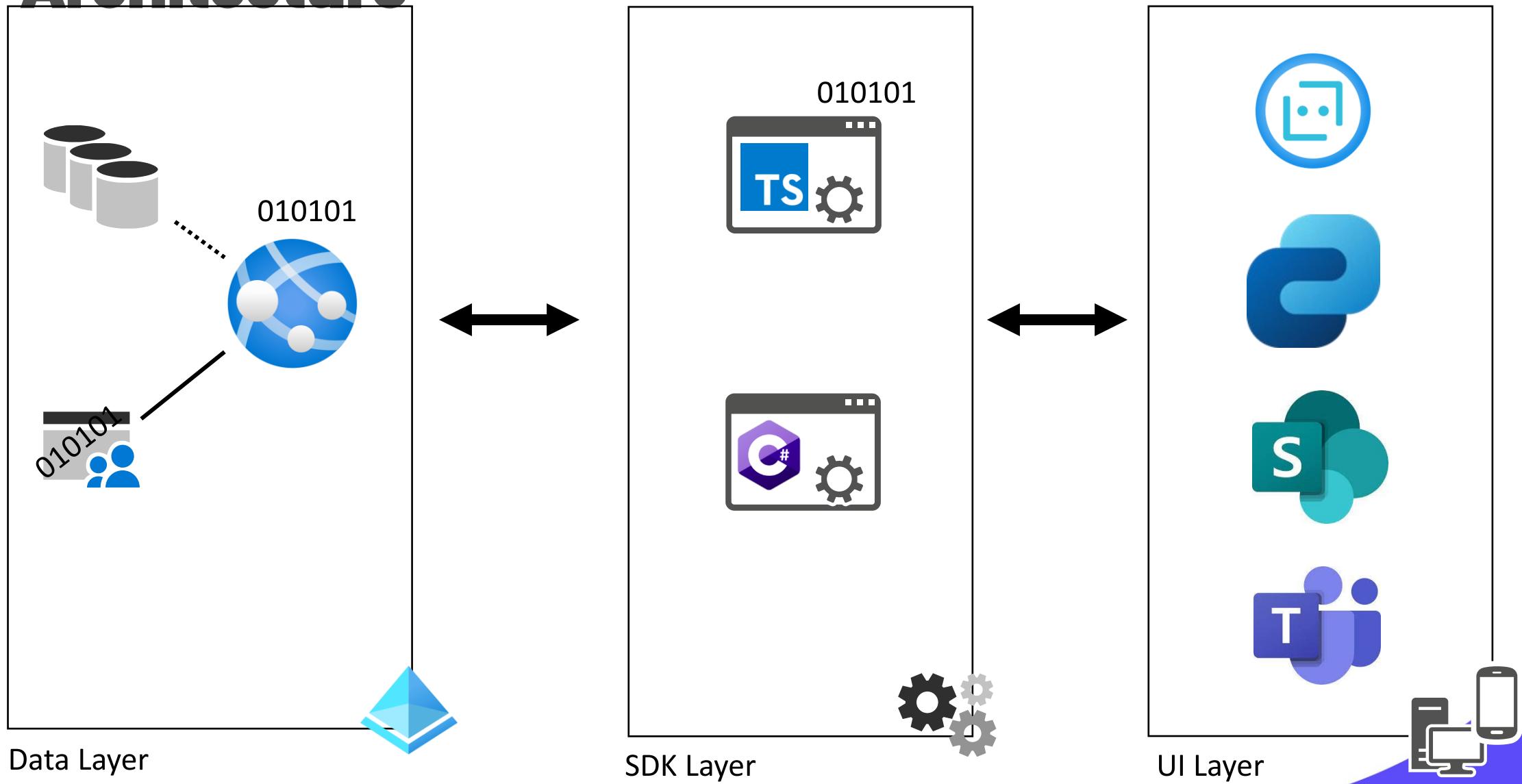


Configure your office *Teams Personal App*

Rick van Rousselt - @RickVanRousselt – Advantive
Thomy Gölles - @thomyg - Solvion



Web API, SDKs, UI Clients – High Level Architecture

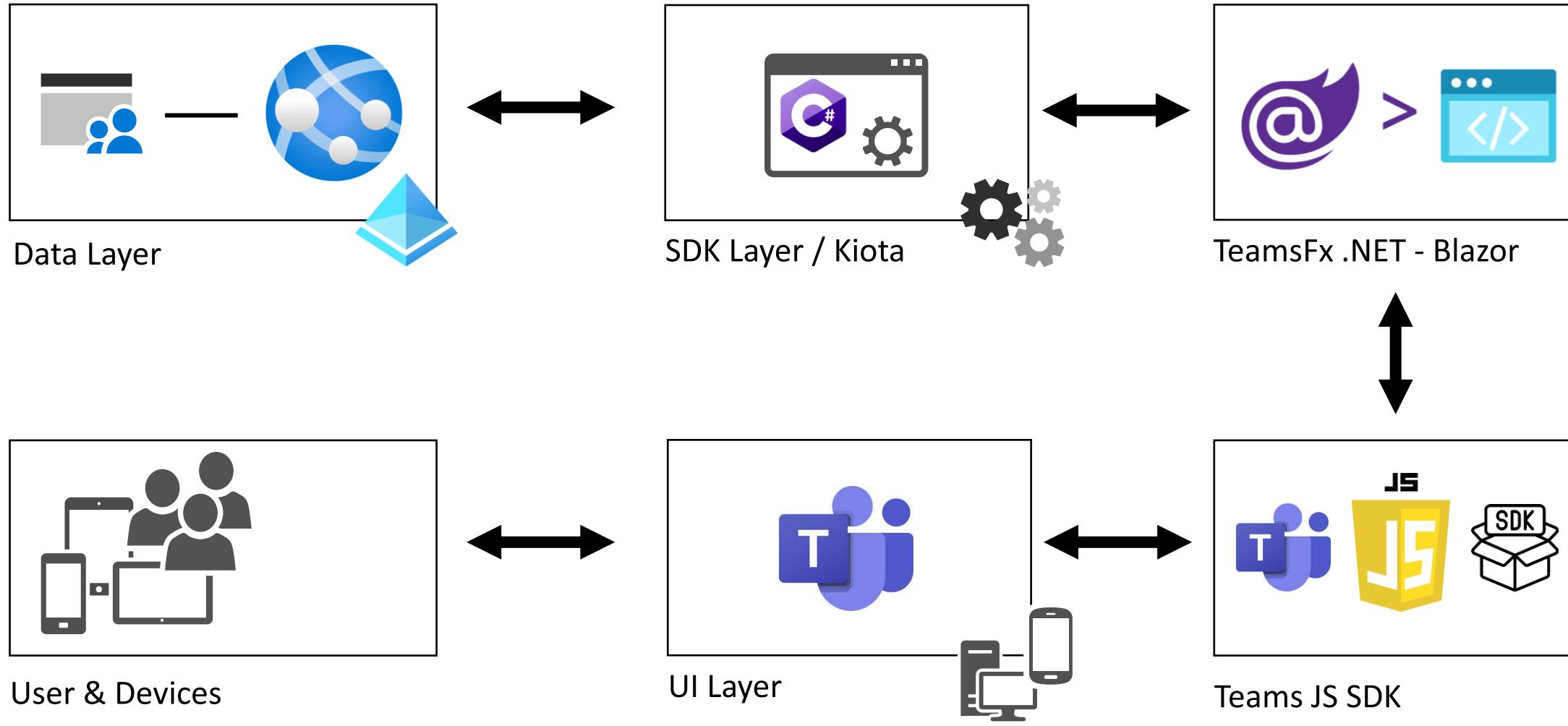


demo

Safe Desk 365
API & SDK



Teams Tab – High Level Architecture



Think mobile!

Microsoft Teams

SafeDesk365.TeamsTab Personal Tab About

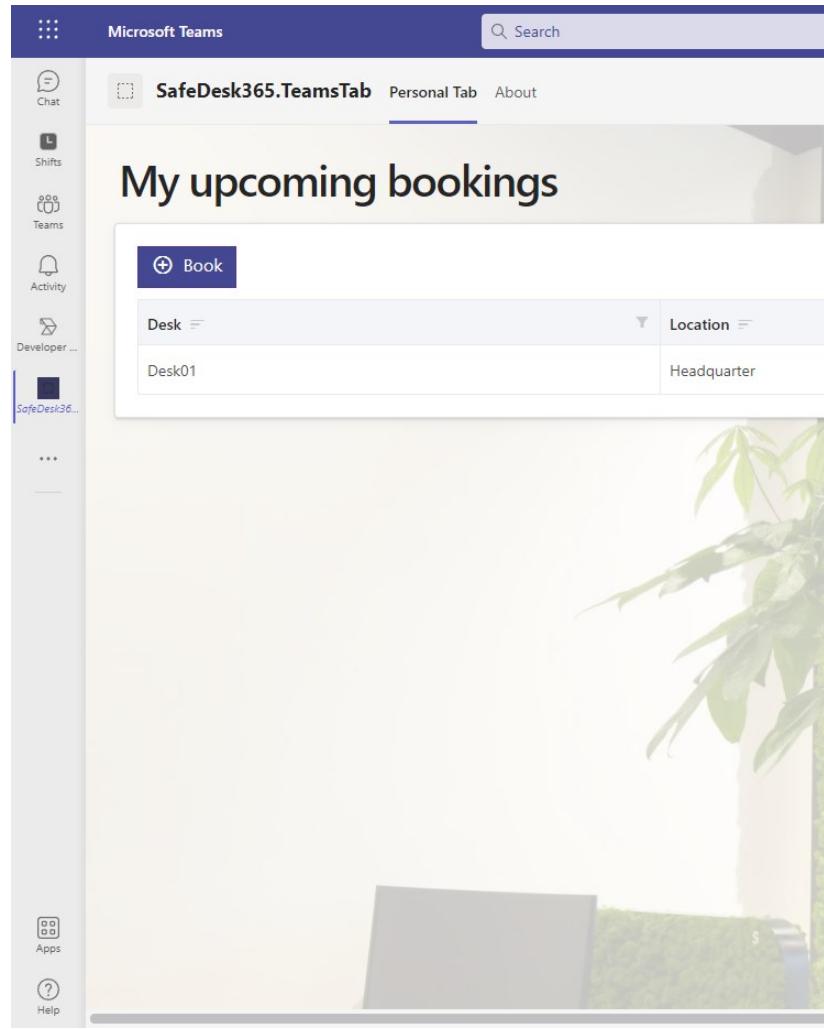
My upcoming bookings

+ Book

Desk	Location
Desk01	Headquarter

SafeDesk365...

... Apps Help



22:57

TG 19 SafeDesk365 App

My Bookings All Availabilities 3 more

All available slots

5/2/2022 12:00:00 AM

5/2/2022 - Morning

Seattle
Desk02
Nice desk with a view on 2nd street.
Standup desk, Whiteboard

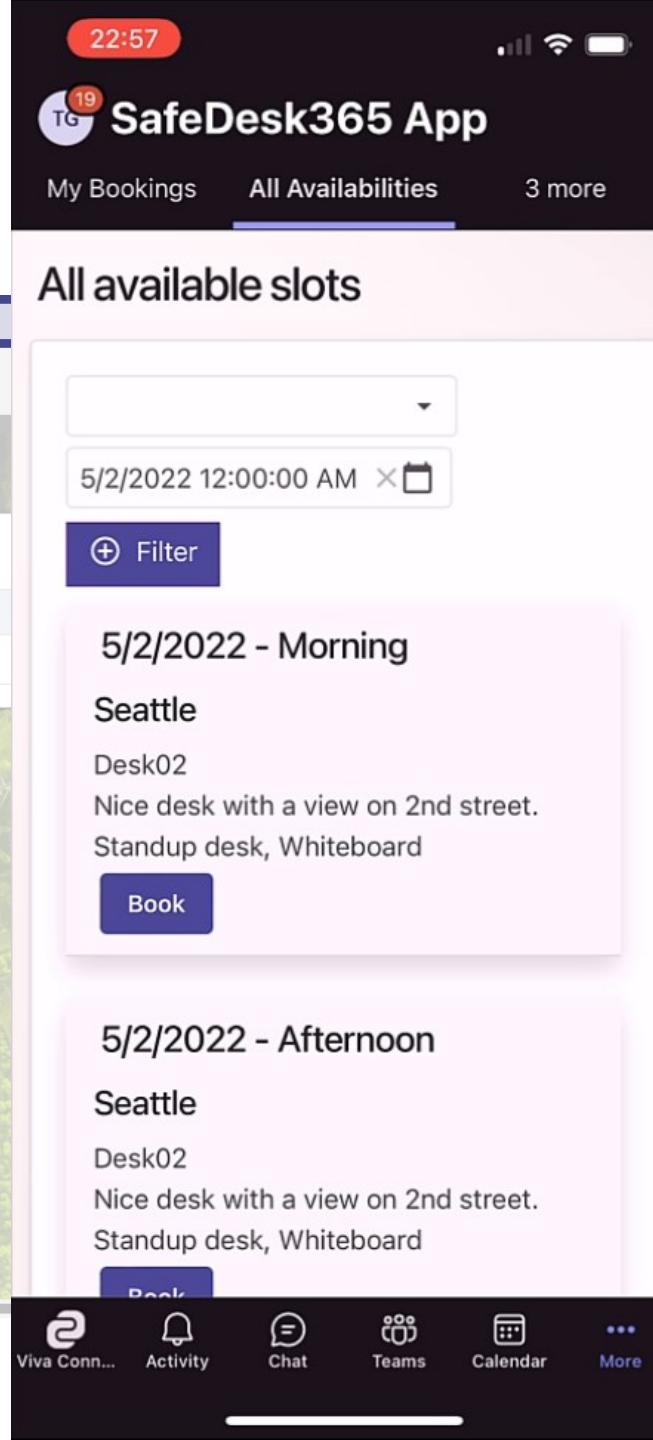
Book

5/2/2022 - Afternoon

Seattle
Desk02
Nice desk with a view on 2nd street.
Standup desk, Whiteboard

Book

Viva Conn... Activity Chat Teams Calendar More



SafeDesk365.TeamsTab Personal Tab About

... TG

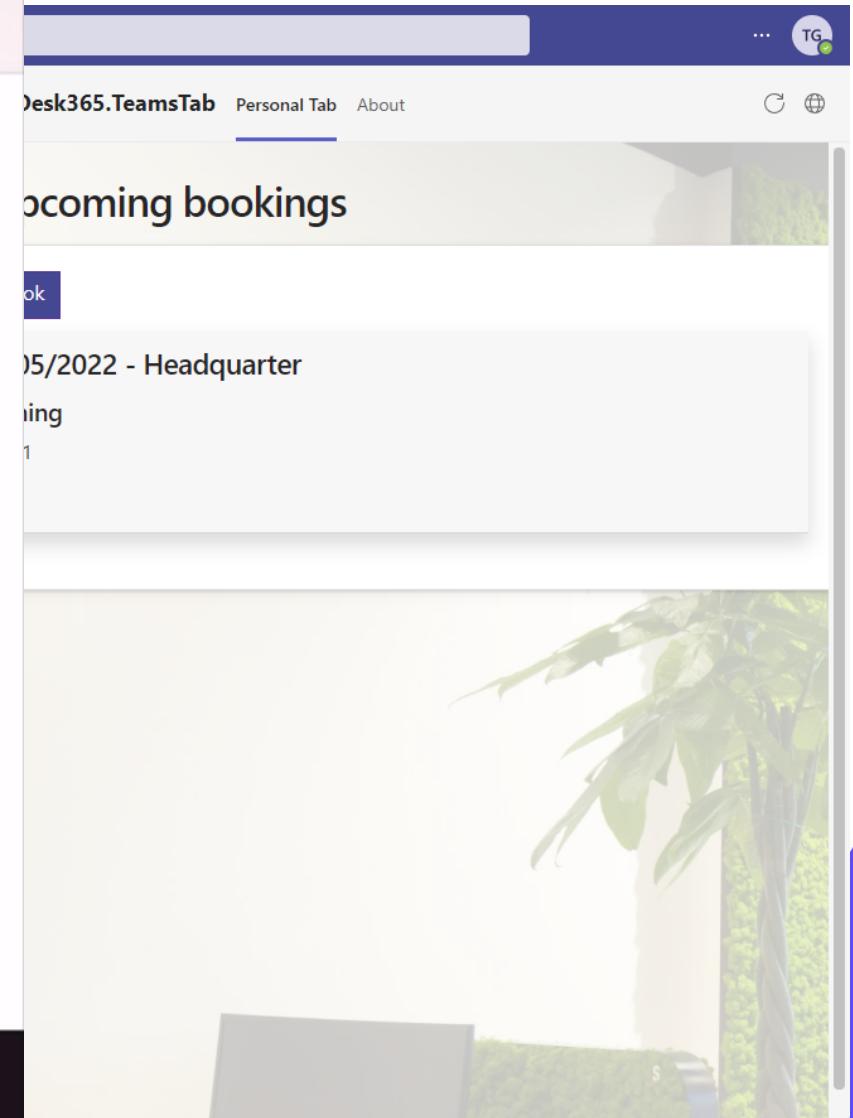
My upcoming bookings

Book

5/2/2022 - Headquarter

Morning

1



demo

Safe Desk 365
Teams Personal App



Book your desk *Teams Chatbot*

Stephan Bisser - @stephanbisser - Solvion



Teams Chatbot

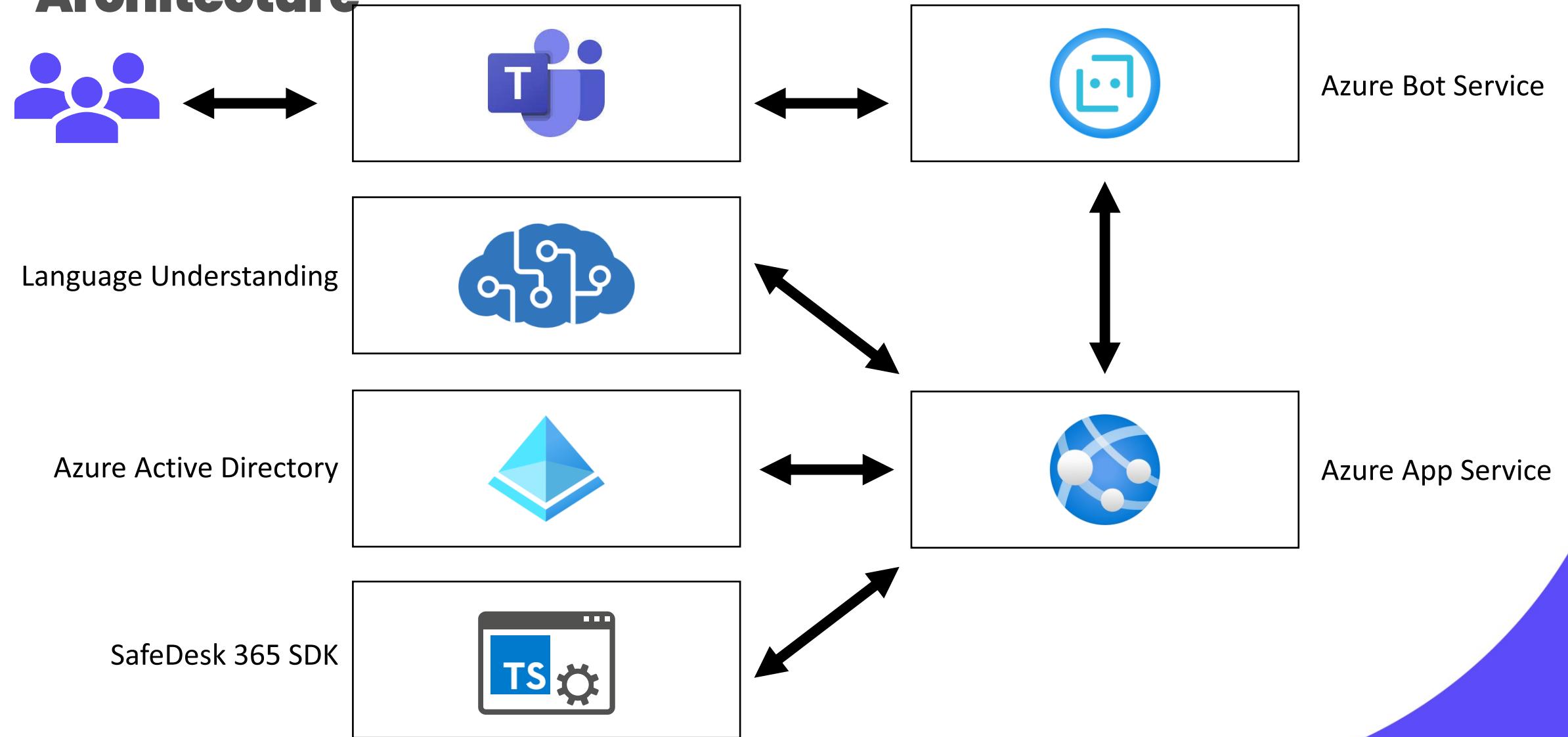
Built on top of the Bot Framework SDK using #YoTeams

Uses Language Understanding, Adaptive Cards, Authentication, ...

Uses npm package to connect to the API



Chatbot High Level Architecture



The screenshot shows a Microsoft Teams chat window. On the left, there's a vertical sidebar with icons for Contoso, Activity, Chat, Teams, Calendar, Files, Desky, Developer ..., and Apps. The main area has a search bar at the top. Below it, the 'Desky' channel is selected, showing a message from 'Desky' (represented by a cartoon character icon) at 'Yesterday 10:14 PM'. The message introduces itself as 'Hey, I'm Desky!' and says 'Nice to meet you! I'm Desky your personal Safe Desk 365 chatbot.' It adds, 'I'm happy to assist you in searching and booking a desk for your next office visit 😊'. It includes four buttons: 'View Dashboard', 'View my bookings', 'Book a desk', and 'Get help'. A message from 'Desky' at '10:29 AM' follows, confirming a booking: 'Please confirm your booking. Booking slot: afternoon Location: Detroit Date: 2022-05-07. Is this correct?'. Two buttons, 'Yes' and 'No', are provided. At the bottom, there's a message input field with placeholder text 'Type a new message' and a row of emoji and file attachment icons.

The screenshot shows a Microsoft Teams chat window. On the left, there's a sidebar with various icons: Contoso (person), Activity, Chat, Teams, Calendar, Files, Desky (person), Developer ..., and Apps. The main area shows a message from 'Desky' at 10:29 AM. The message content is:

Please confirm your booking.
Booking slot: afternoon
Location: Detroit
Date: 2022-05-07.
Is this correct?

With two buttons: 'Yes' and 'No'. A blue message bubble on the right says '10:29 AM Yes'. Below this, another message from 'Desky' at 10:29 AM shows a 3D rendering of a desk. The message content is:

Your booking

Awesome, I booked Desk04 on undefined in the Afternoon in Detroit for you! Have a nice day in the office and remember to check-in Nestor

With a 'Check-In' button.

demo

Safe Desk 365
Teams Chatbot



Check in *Viva Adaptive Card Extensions*

Paolo Pialorsi - @PaoloPia – PiaSys.com



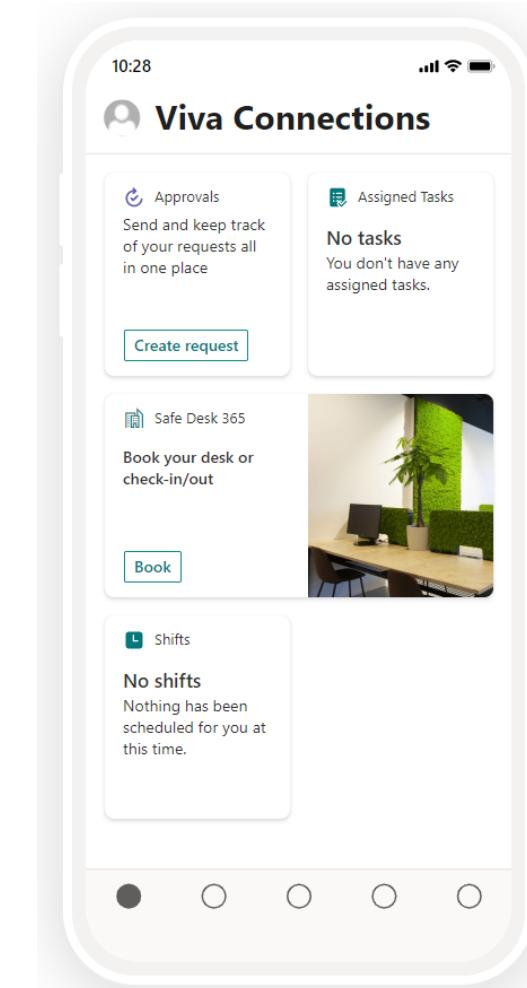
Adaptive Card Extensions for Viva Connections

Adaptive Card Extensions (ACEs) are SPFx extensions

Allow to extend the UI of the Viva Connections Dashboard

Are implemented using TypeScript and Adaptive Card (JSON) Syntax:

<https://www.adaptivecards.io/>



Key Pillars about ACEs

Are based on

Card View(s)

Basic Card

Image Card

Primary Text Card

Quick View(s)

Based on Adaptive Cards JSON

Completely open design and UI/UX

Consistent with Adaptive Cards experience



Safe Desk 365 ACE Overview

Based on SPFx ACEs

4 Card Views

6 Quick Views

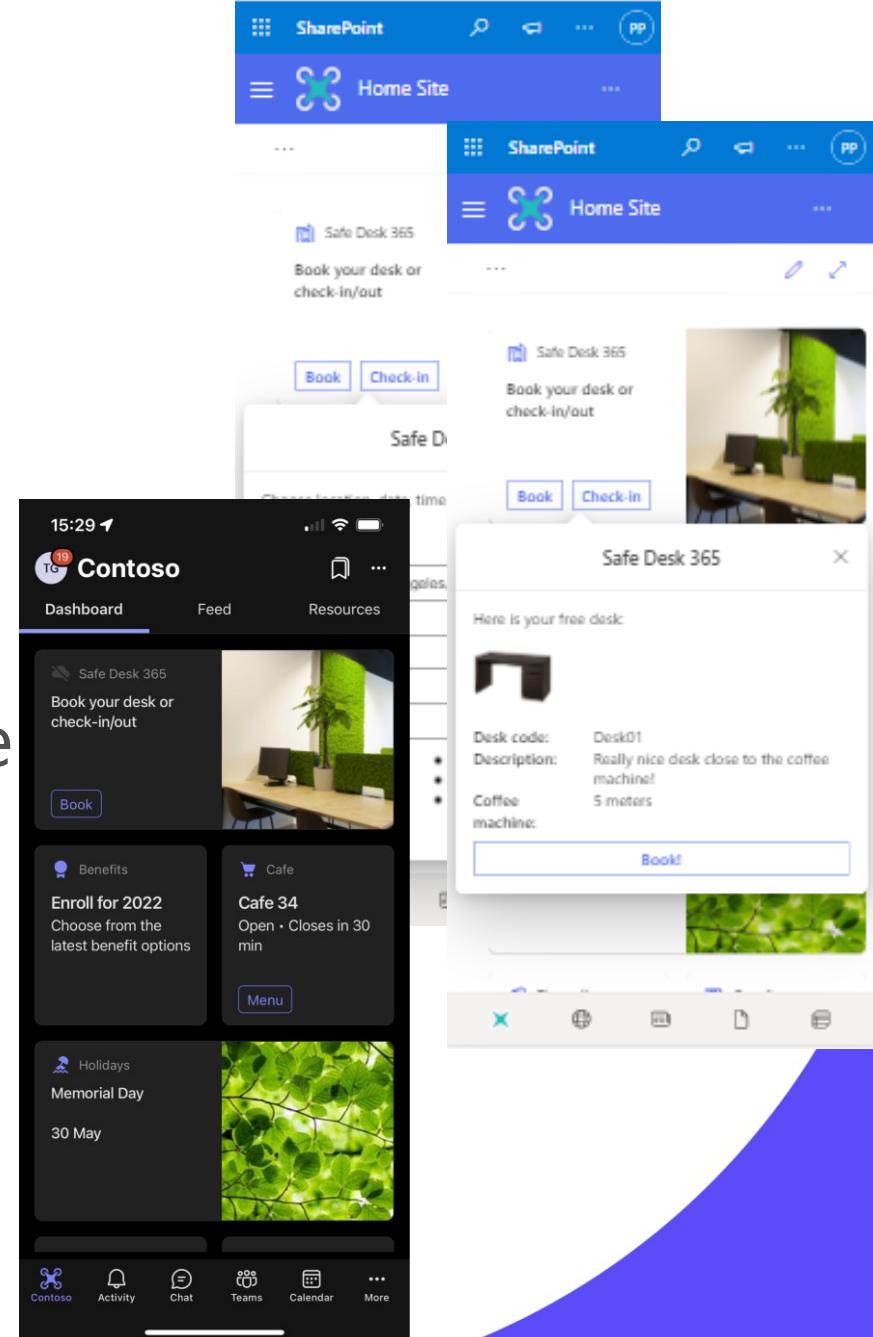
Relies on Safe Desk 365 SDK via npm package

List of locations

List of desks

Desks availabilities

Check-in/Check-out



demo

Safe Desk 365
Adaptive Card Extension



Manage your booking

SharePoint Framework (SPFx) Web Part

Paolo Pialorsi - @PaoloPia – PiaSys.com



SharePoint Framework (SPFx) Web Parts

Based on client-side code

TypeScript

React or plain JavaScript/HTML/CSS

Can easily consume

SharePoint Online data

Microsoft Graph

3rd Party APIs

Can be hosted in SharePoint Online

Modern pages and classic pages

Can be hosted in Microsoft Teams Tabs

Personal or Configurable



Safe Desk 365 SPFx Web Part Overview

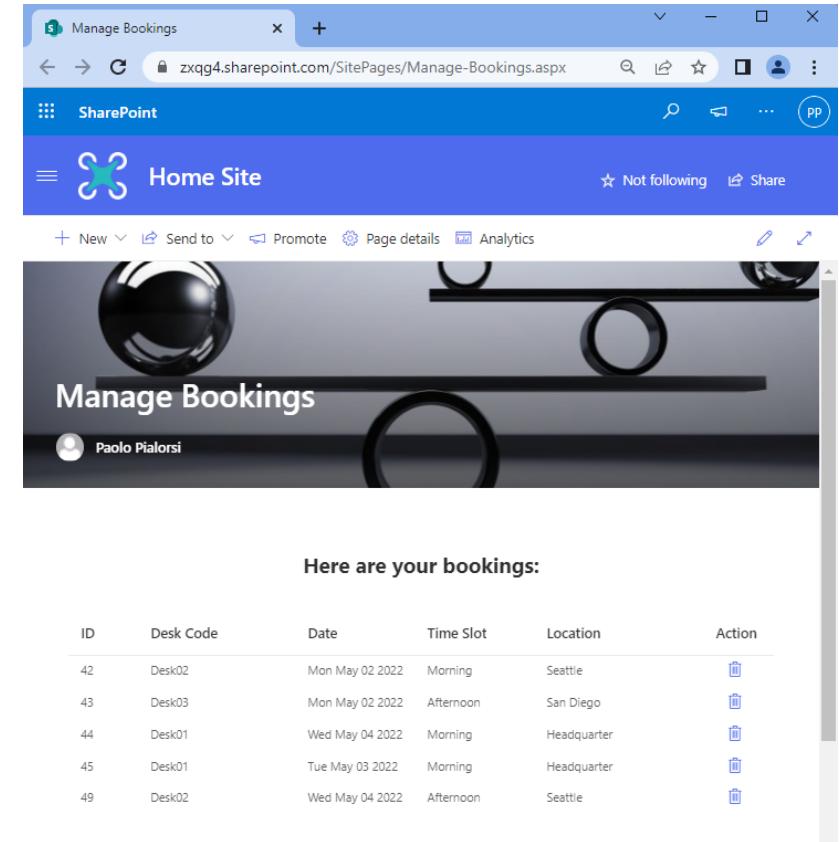
SPFx Web Part with React

PnP Reusable React Controls
ListView

Relies on Safe Desk 365 SDK via npm package

List of bookings

Delete a booking

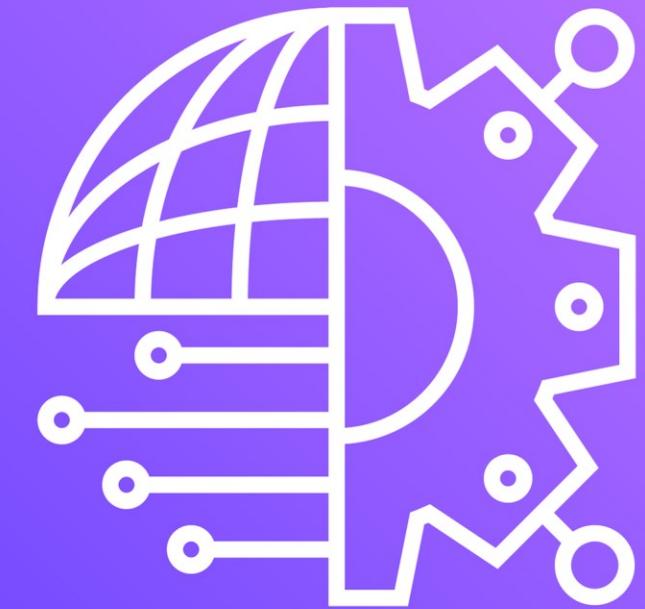


The screenshot shows a SharePoint page titled "Manage Bookings" with the URL "zxqg4.sharepoint.com/SitePages/Manage-Bookings.aspx". The page features a dark-themed header with the SharePoint logo and a "Home Site" button. Below the header, there's a navigation bar with links for "New", "Send to", "Promote", "Page details", and "Analytics". A "Not following" and "Share" button are also present. The main content area has a dark background with a large black sphere graphic. It displays the text "Manage Bookings" and a user profile picture for "Paolo Pialorsi". Below this, a section titled "Here are your bookings:" lists five entries in a table:

ID	Desk Code	Date	Time Slot	Location	Action
42	Desk02	Mon May 02 2022	Morning	Seattle	
43	Desk03	Mon May 02 2022	Afternoon	San Diego	
44	Desk01	Wed May 04 2022	Morning	Headquarter	
45	Desk01	Tue May 03 2022	Morning	Headquarter	
49	Desk02	Wed May 04 2022	Afternoon	Seattle	

demo

Safe Desk 365
SPFx Web Part



Organizational dashboards

Power BI Dashboard

Albert-Jan Schot - @appieschot – BLIS.digital



Organizational dashboards

Don't tread Power BI as Yellow Excel



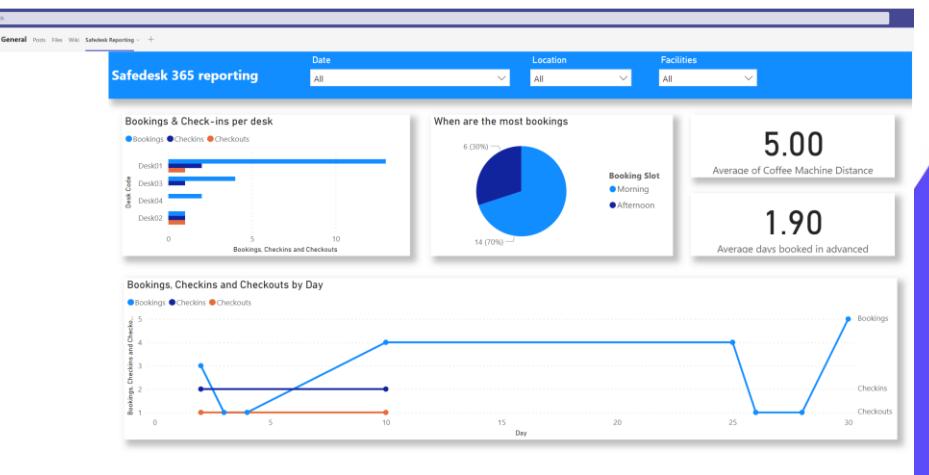
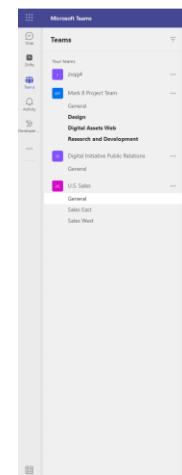
Microsoft Lists
(Data Repository for Seats and Bookings)



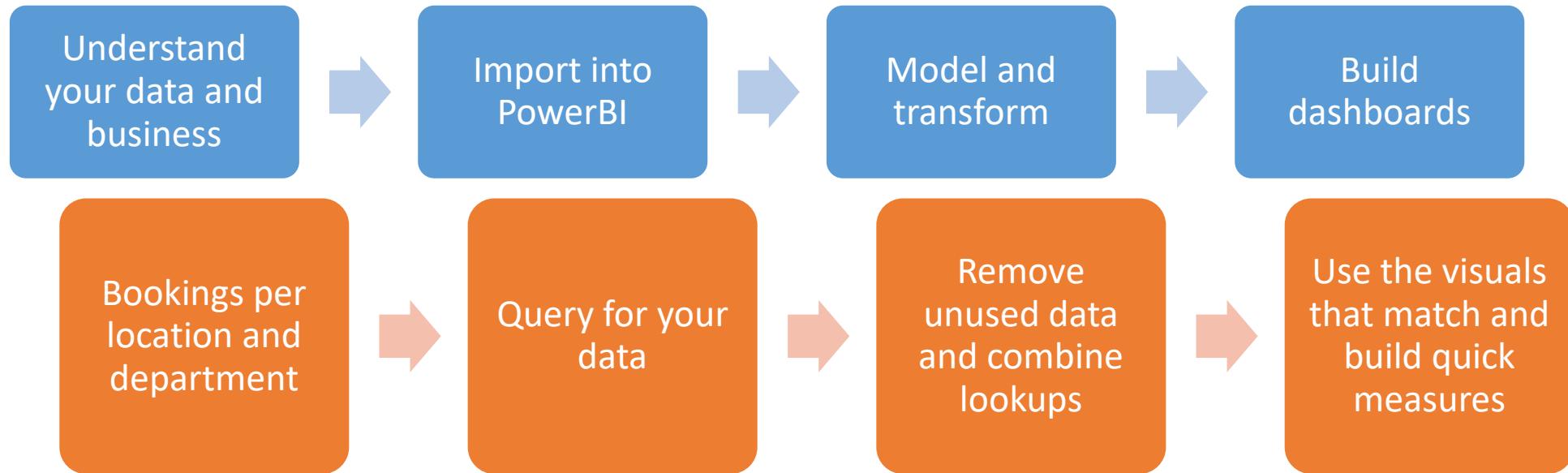
Microsoft Teams
Show dashboard(s)



Microsoft Power BI
(Reporting about booked desks and check-in trends)



From data to insights



demo

Safe Desk 365
Power BI sample



Summary and next steps

Technical Solution Overview – Why in Microsoft 365?

To book a desk and to check-in/check-out when on-premises
Microsoft Viva Connections ACEs



To manage current user's bookings
Teams Personal App



To view current user's bookings
SharePoint Framework Web Part



Search for a desk and book a desk
Chat with the Microsoft Teams Bot



Dashboard with stats about bookings and check-ins
Power BI



Azure Active Directory
(AuthN/AuthZ)



Microsoft Graph
(data access)

GUIDANCE

Register to **Microsoft 365 Developer Program** for **free E5 developer tenant** and other assets

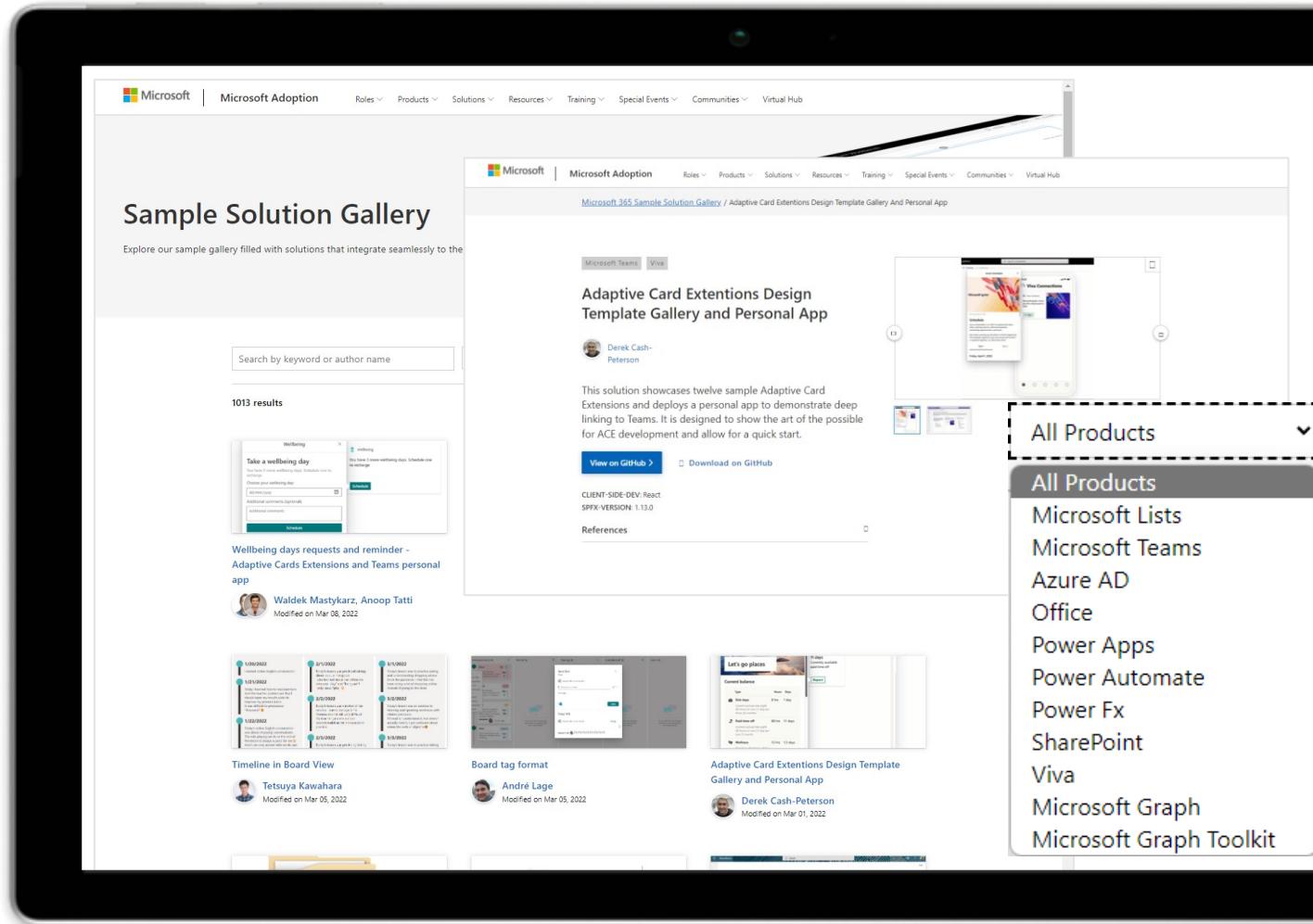
aka.ms/m365/devprogram

The screenshot shows the Microsoft 365 Dev Center landing page. At the top, there's a navigation bar with links for Microsoft, Microsoft 365 Dev Center, Explore, Resources, Developer Program, More, All Microsoft, Search, Cart, and Sign in. Below the navigation is a large banner featuring two men working on a laptop together. The main headline reads "Join the Microsoft 365 Developer Program today!" followed by a subtext: "Get a free sandbox, tools, and other resources you need to build solutions for the Microsoft 365 platform." A blue "Join now >" button is located below the headline. The page then transitions into a blue section with four items: "Free developer sandbox" (with a wrench icon), "Sample data packs" (with a downward arrow icon), "Access to experts" (with a people icon), and "Personalized recommendations" (with a pen icon). Each item has a brief description and a "Learn more >" link.

SAMPLES

New Microsoft 365 sample gallery with more than 500 samples from 1060 Microsoft and community

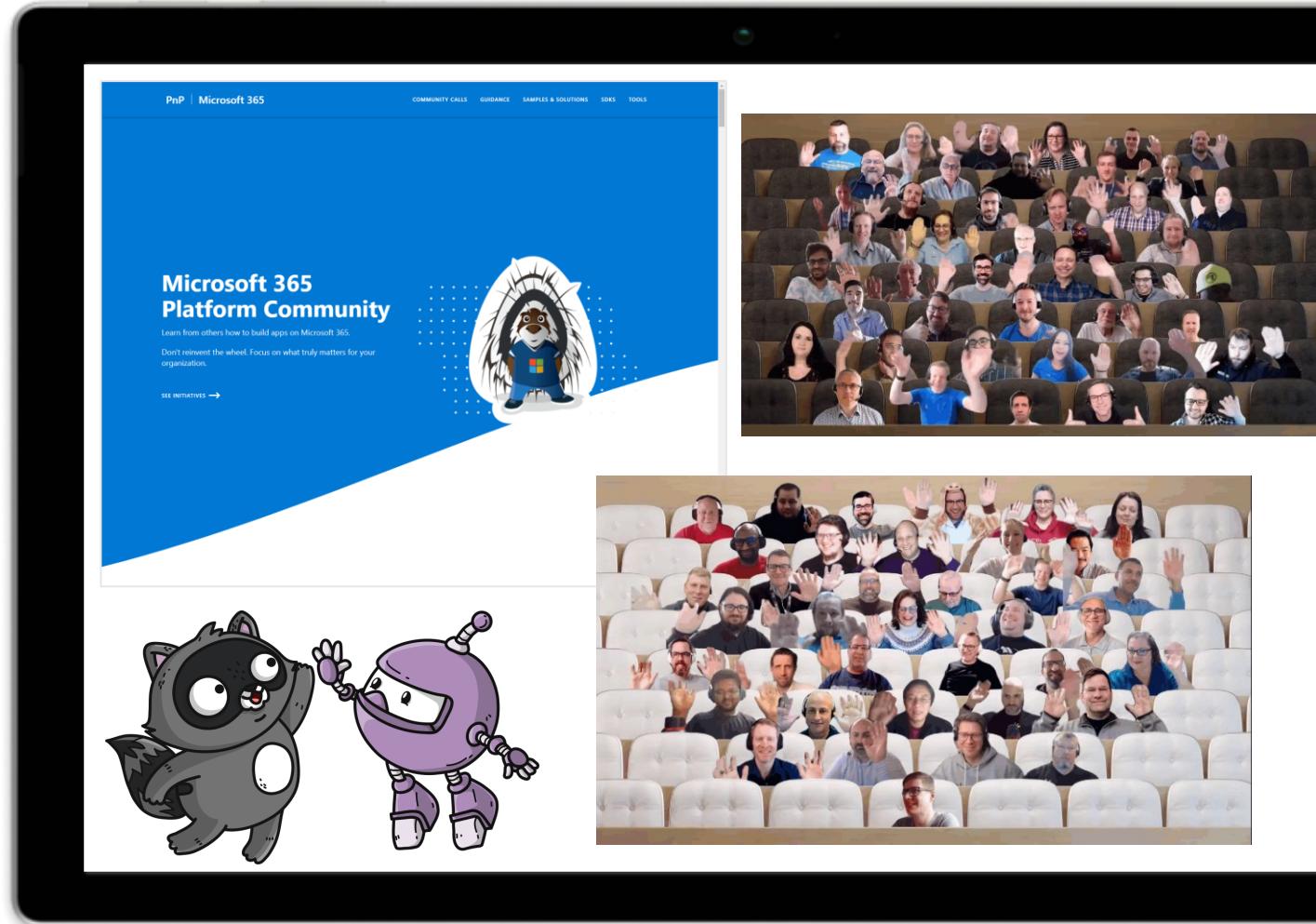
aka.ms/m365/samples



COMMUNITY

Weekly community calls,
samples, tools, SDKs, and
more... join on the
**Microsoft 365 Platform
Community**

aka.ms/m365pnp





Q&A

A scenic landscape featuring a church with a tall white steeple, a stone bridge over a river, and a lake reflecting the surrounding green hills and a cloudy sky. The scene is bathed in the warm light of a setting sun.

THANK YOU



Sponsors



INTELLITY



www.racunalnische-novice.com

