

Integrating the Power Platform within your Prodeveloper Strategy

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Microsoft Intelligent Applications PMs

Speakers



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Agenda

Case for Change

- Enterprise App Patterns
- Demo

Pro Dev Enablement

- Internal Apps
- External Apps

Community Spotlight

- John Cockrill Group

Q&A

Case for Change

Show of hands, how many people in the room have enough developers to accomplish all their digital initiatives?



Developer shortage



Developers short

As a result, organizations are facing challenges



**Poor experience for
existing devs**



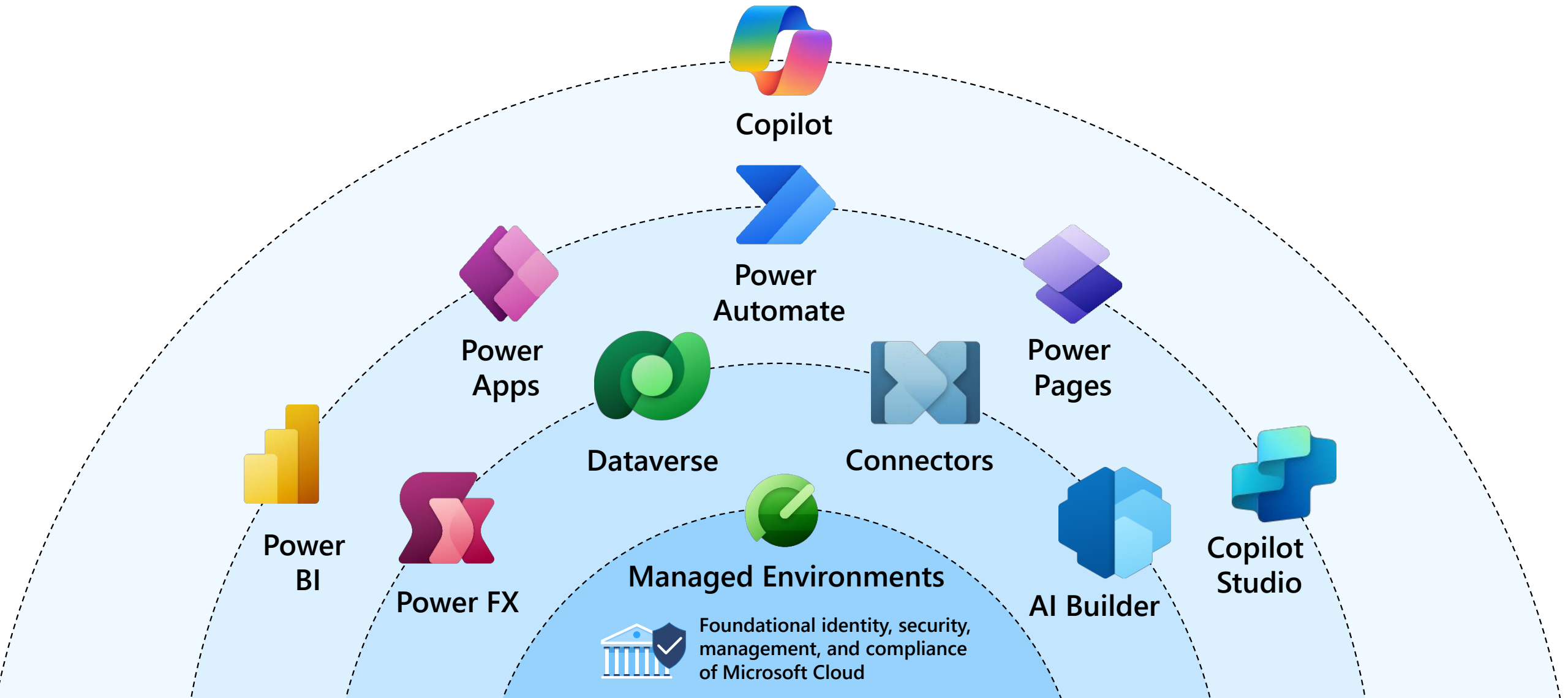
**Backlog of apps and
technical debt**



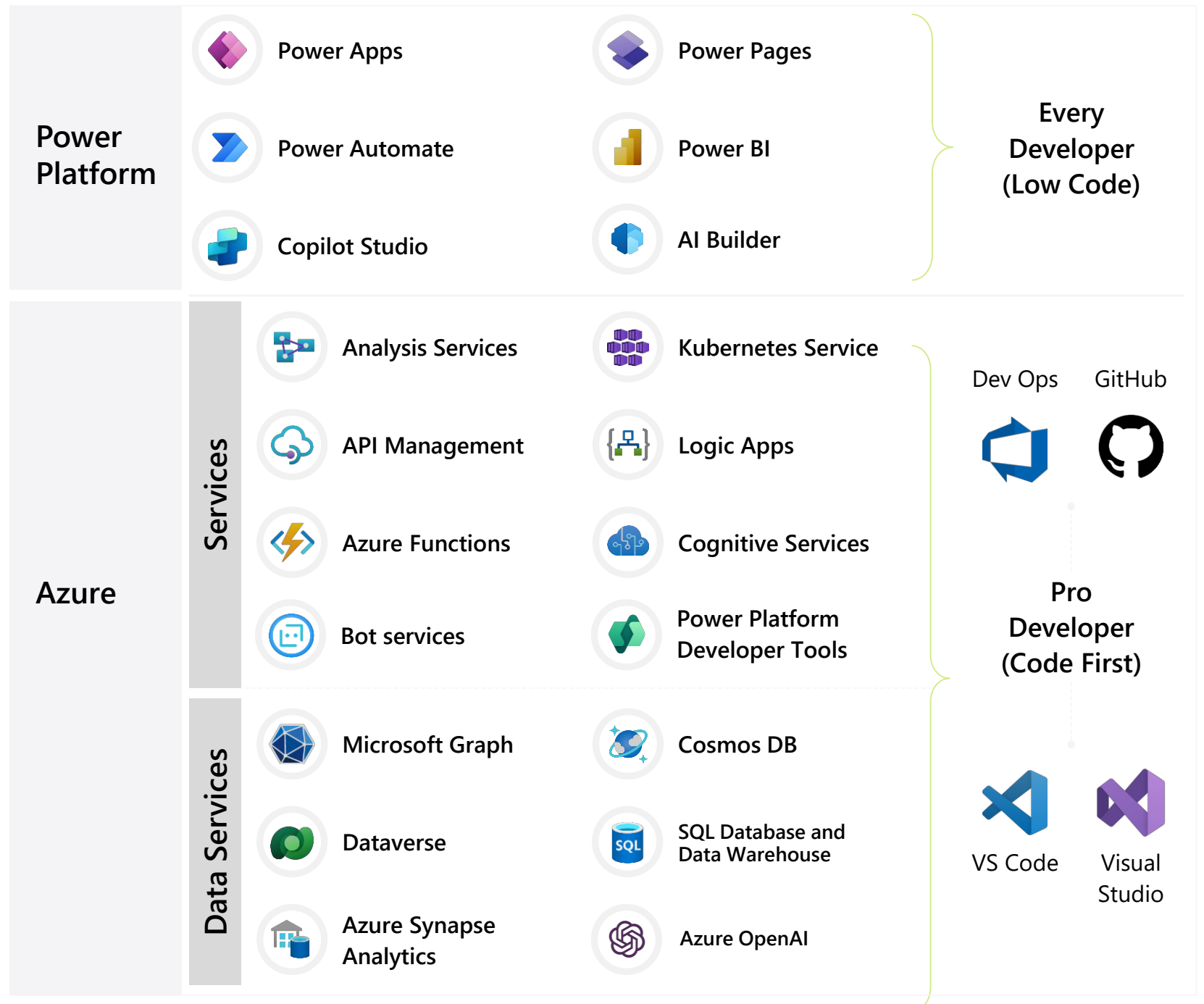
**Slow to respond to
market demands**

Microsoft Power Platform

The world's **most complete** platform for developer productivity, spanning no-code to pro code



... and
additionally
leverage
existing
investments



Scale Low Code across the enterprise by enabling everyone to do what they know best

No code
(End User)

+

Low-code
(Power User)

+

Enterprise Solutions
(Pro Dev)

Power Platform + Copilot

Power Platform

Power Platform + Azure



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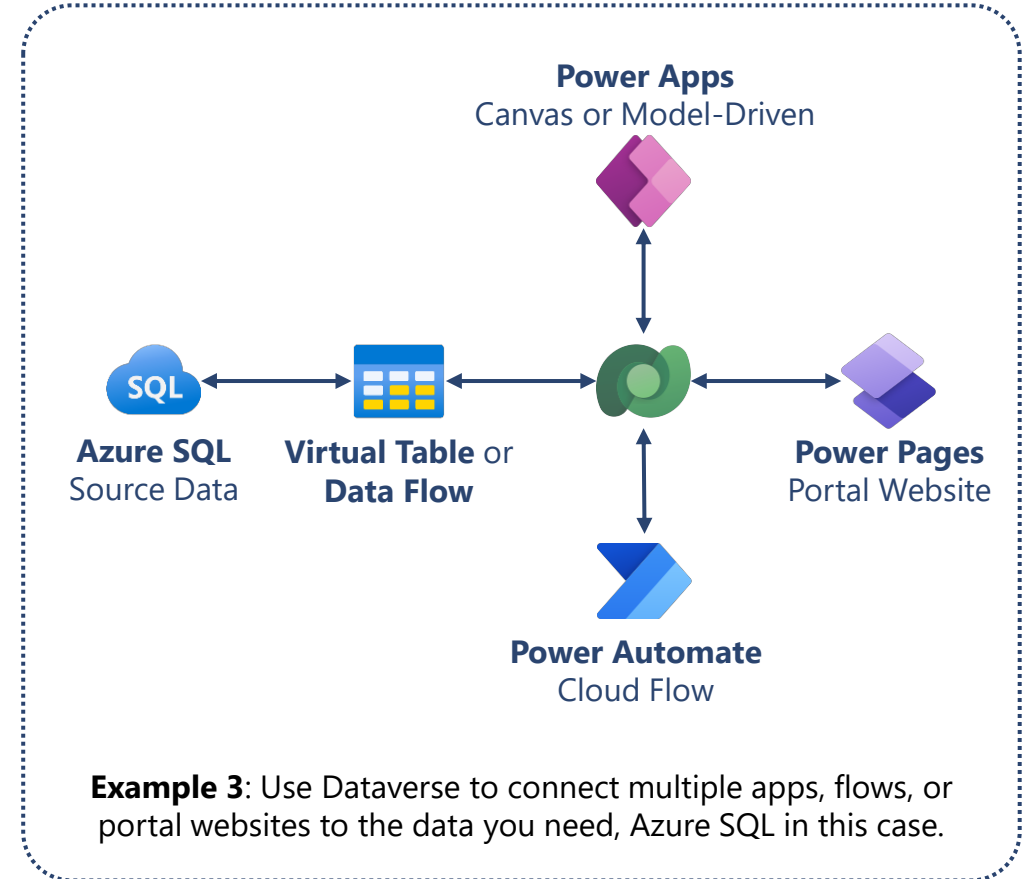
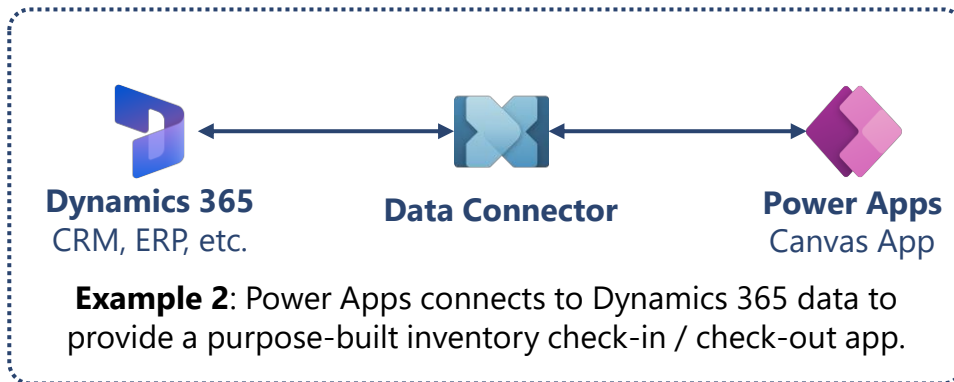
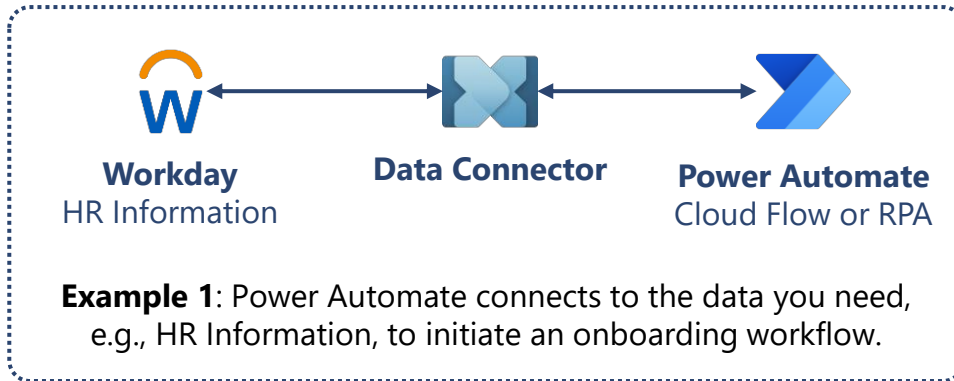


Teaming Structure

- Pro Devs become architects in this pattern – experts on what to use when and how to build each piece of the puzzle
- Fusion development = Devs of all backgrounds and skills working together to solve the business' problems

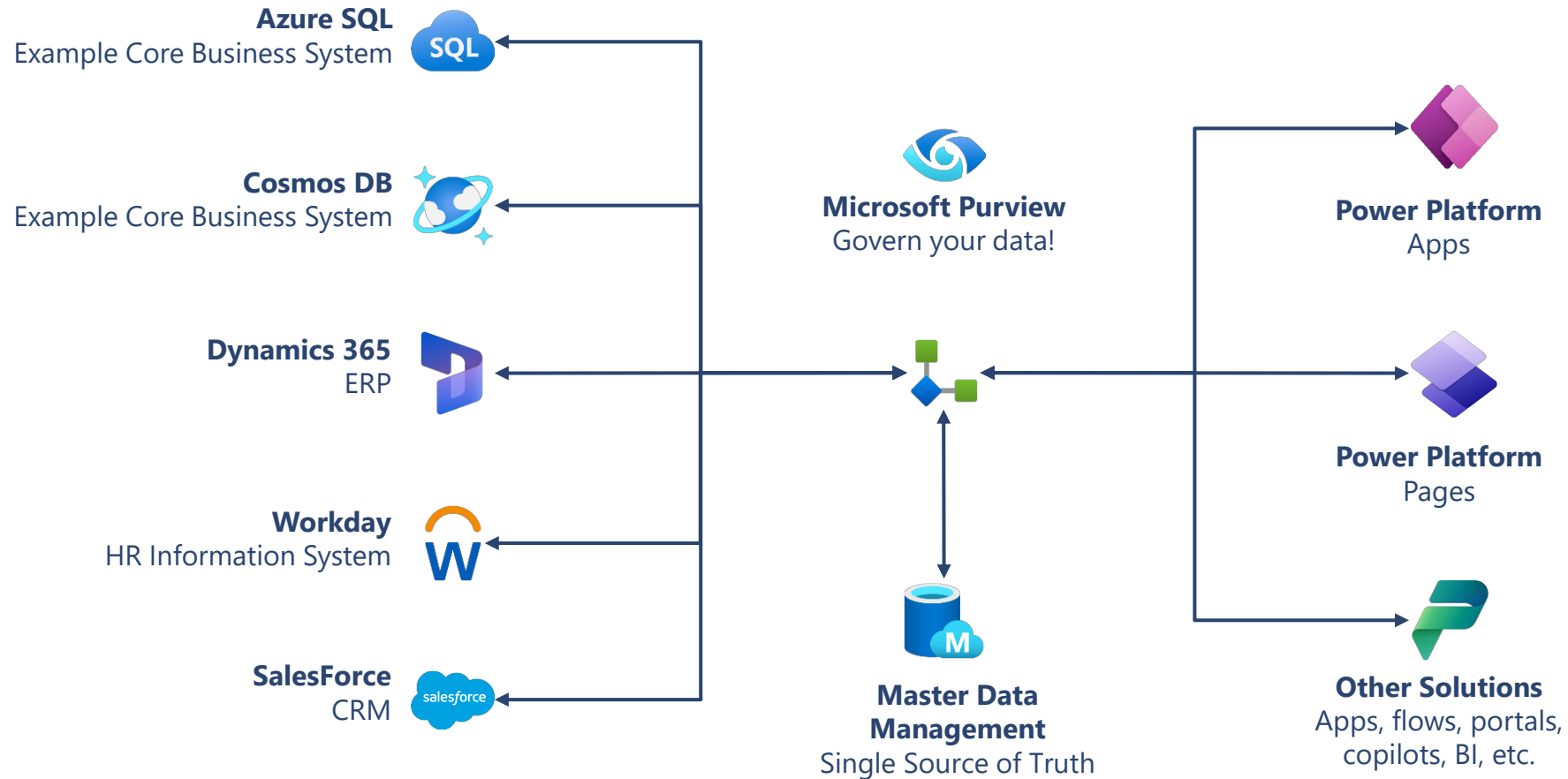
Pro Developers provide guidance

...to make sure platform patterns are architecturally sound

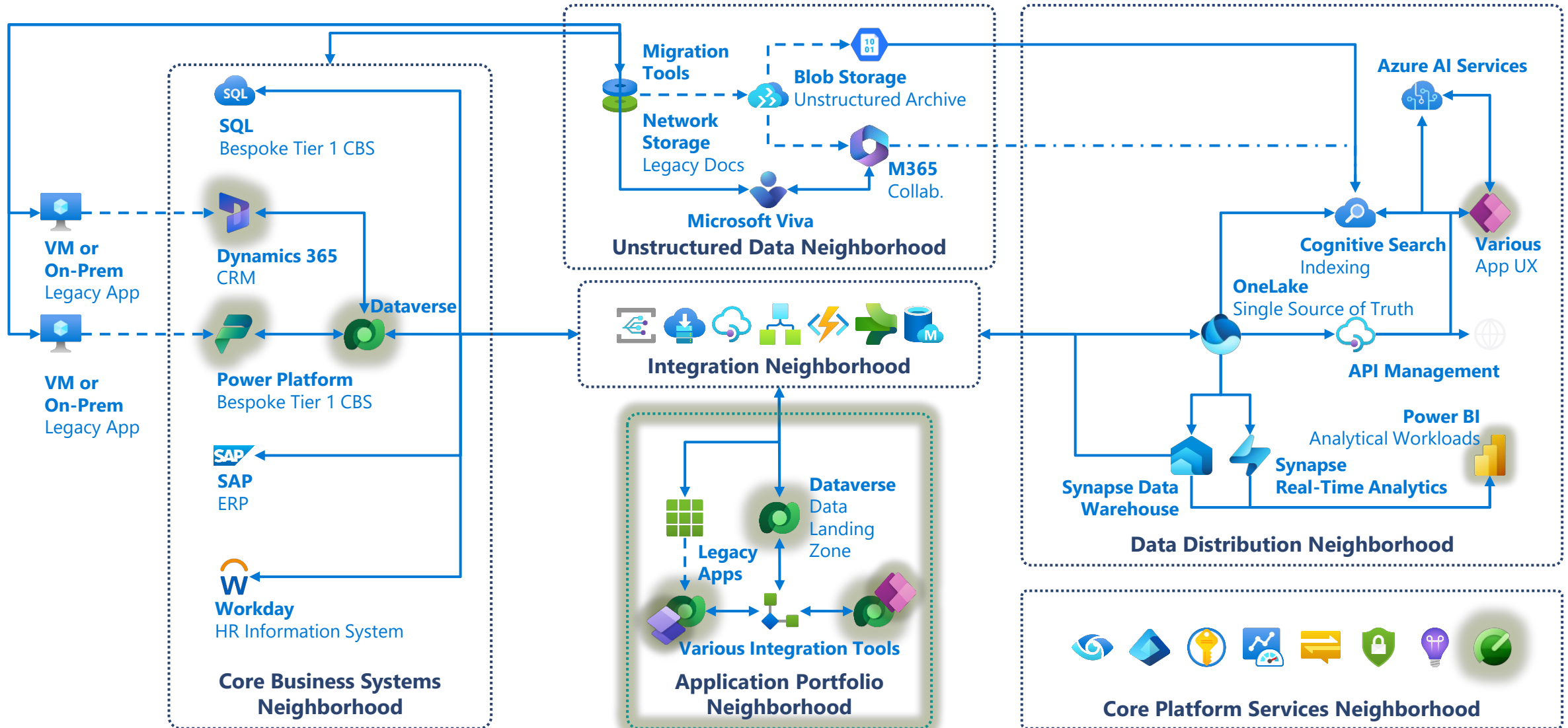


Pro Developers design complex solutions

...and implement them in partnership with low code developers



...or implement large scale enterprise applications



What can Fusion Development look like in practice?

Power Platform Strategy

Innovative Platforms

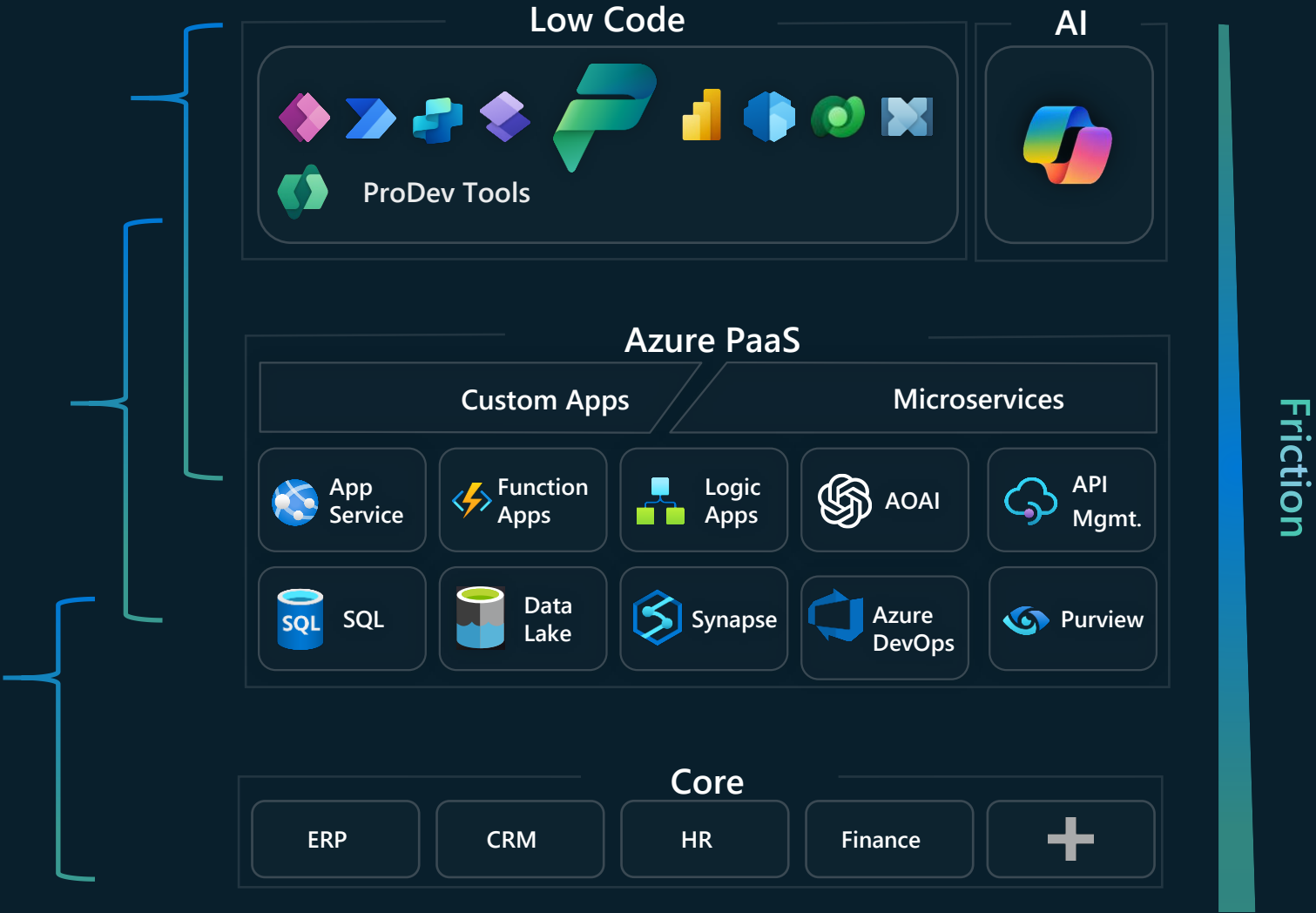
Net new ways of solving problems
Greatest level of experimentation
Cultivate curiosity at the edge

Differentiated Platforms

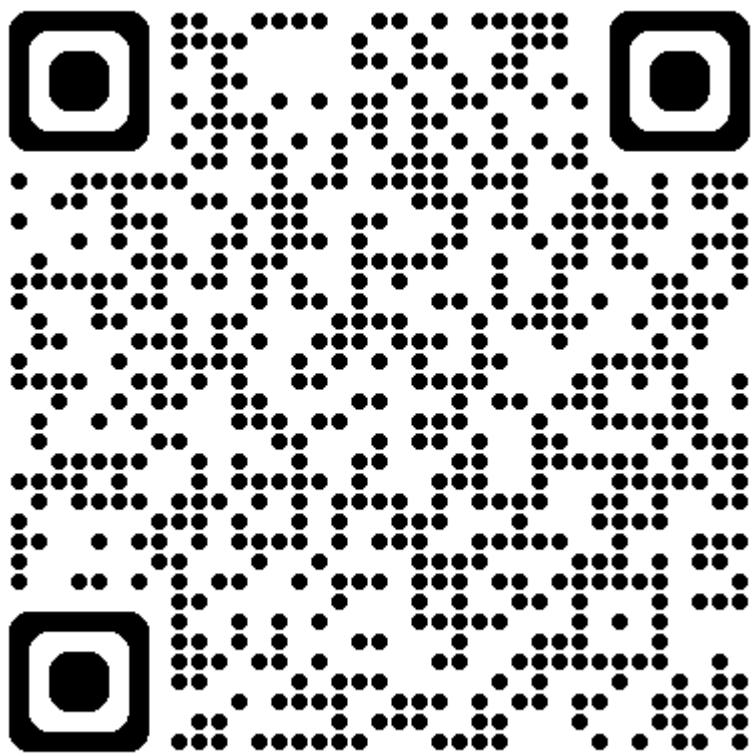
Represents the organization’s uniqueness
Expresses the values of the business

Core Platforms

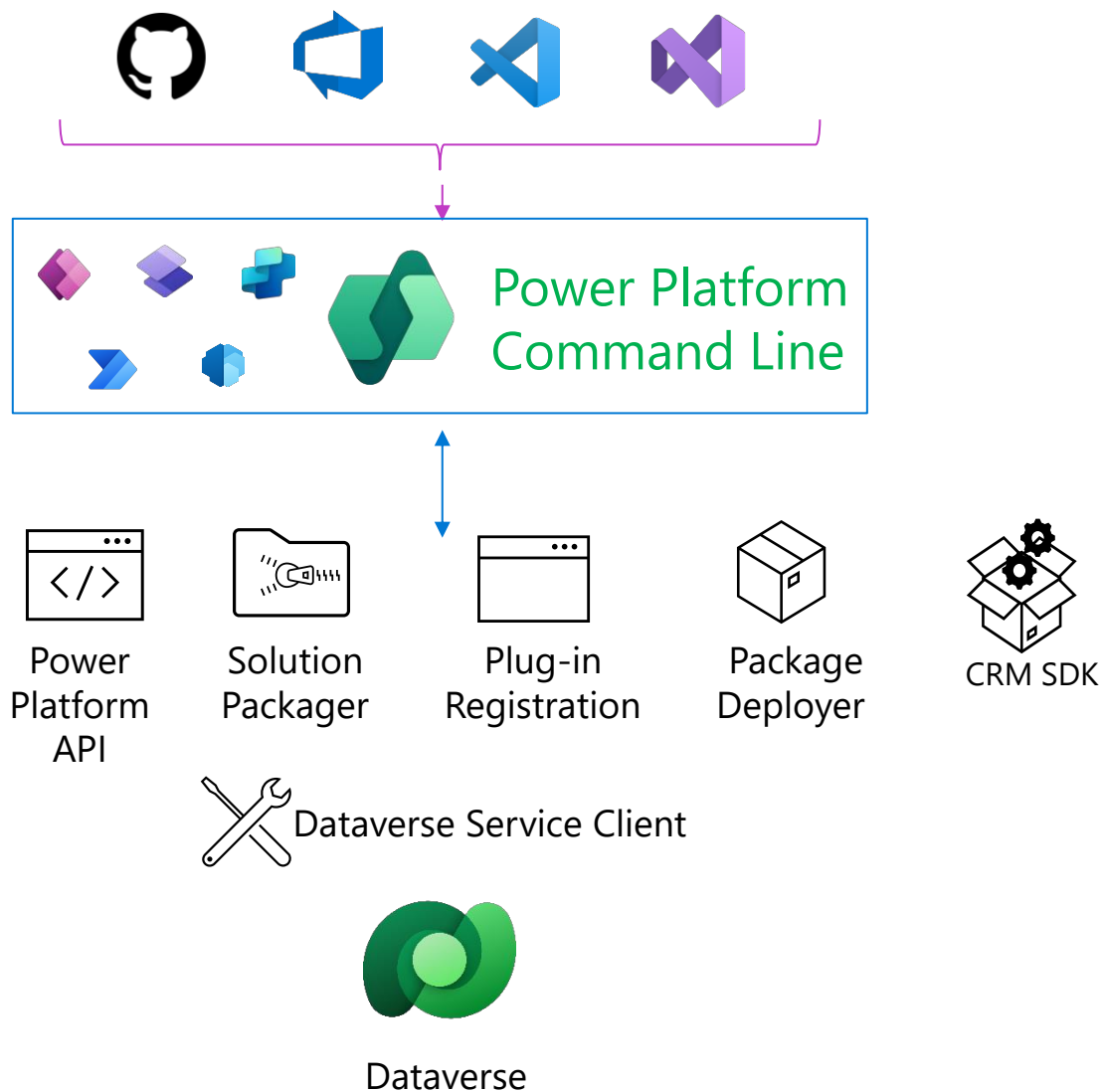
Rigid “pillars” of the IT landscape
Require high degree of process & rigor
Change at this level incurs high risk



developer tools for Power Platform



<https://aka.ms/powerdev>



Create Formulas in Formula Bar

October Preview

Same AI Model

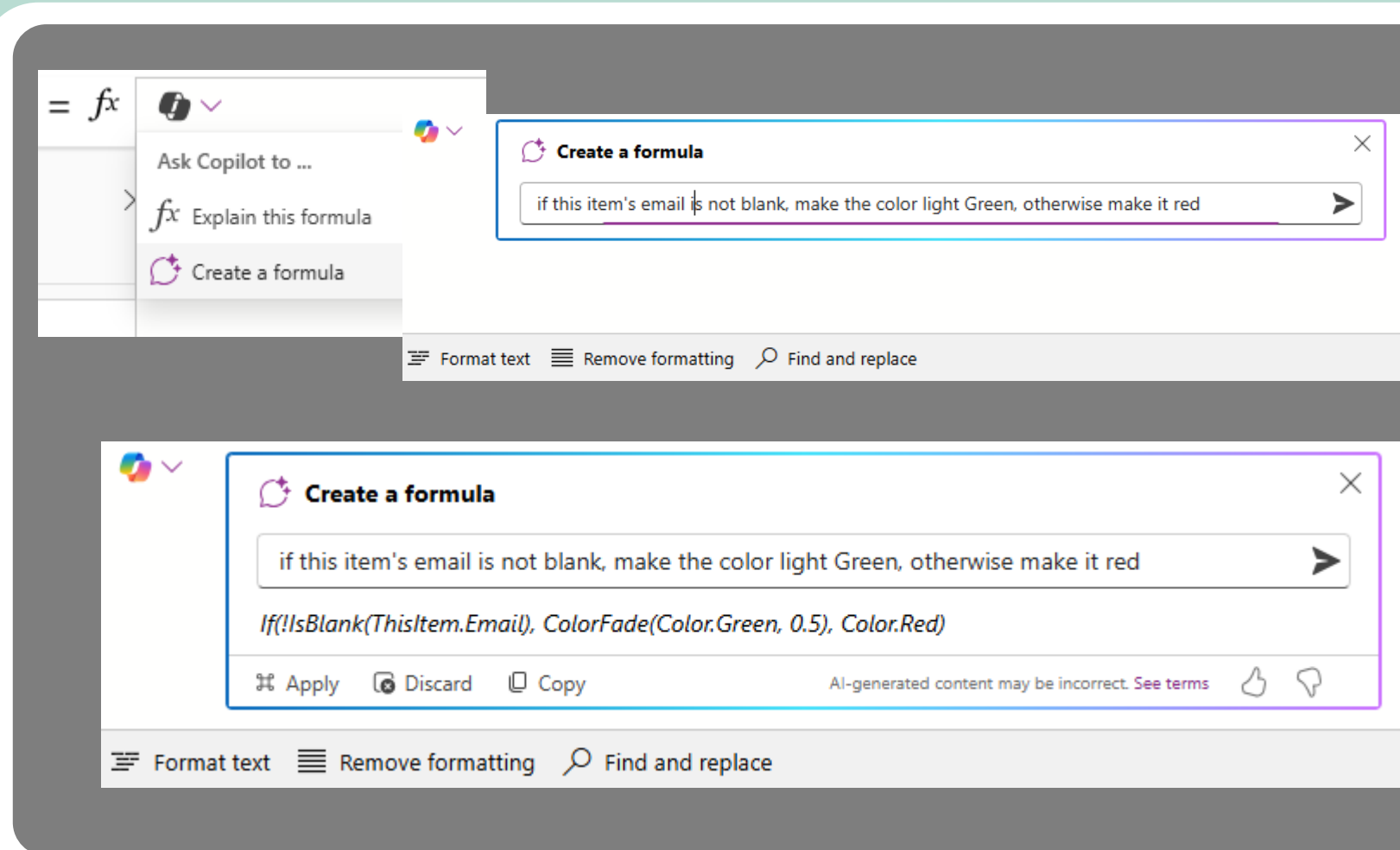
Consistent experience with comment generated formulas

View Errors

Understand what is happening

Provide Feedback

Use 👍 / 👎 to improve quality



Explain Partial Formulas

October Release

Explain Chunks of Code

Break down explanations for longer formulas

Expanding context

Selection does not have to be perfectly precise

```
Remove(MyPeople,LookUp(MyPeople,UserPrincipalName=ThisItem.UserPrincipalName));  
Concurrent(Reset(TextSearchBox1),Set(_showMeetingTimes, false ),UpdateContext({_loadMeetingTimes: true })),Set  
(_selectedMeetingTime,Blank()),Set(_selectedRoom,Blank()),Set(_roomListSelected, false ),ClearCollect(MeetingTimes,  
AddColumns(Office365Outlook.FindMeetingTimes({RequiredAttendees:Concat(MyPeople,UserPrincipalName&"");  
MeetingDuration:MeetingDurationSelect1.Selected.Minutes,Start:Text(DateAdd(MeetingDateSelect1.SelectedDate,8,TimeUnit.  
Hours),DateTimeFormat.UTC),End:Text(DateAdd(MeetingDateSelect1.SelectedDate,17,TimeUnit.Hours),DateTimeFormat.UTC),  
MaxCandidates:15,MinimumAttendeePercentage:1,IsOrganizerOptional: false ,ActivityDomain:"Work"}).MeetingTimeSuggestions,  
StartTime,MeetingTimeSlot.Start.DateTime,EndTime,MeetingTimeSlot.End.DateTime));  
UpdateContext({_loadingMeetingTimes: false }));Set(_showMeetingTimes, true )
```

Code View in Power Apps Studio

Public Preview

Copy Code

Share your work

Paste Code

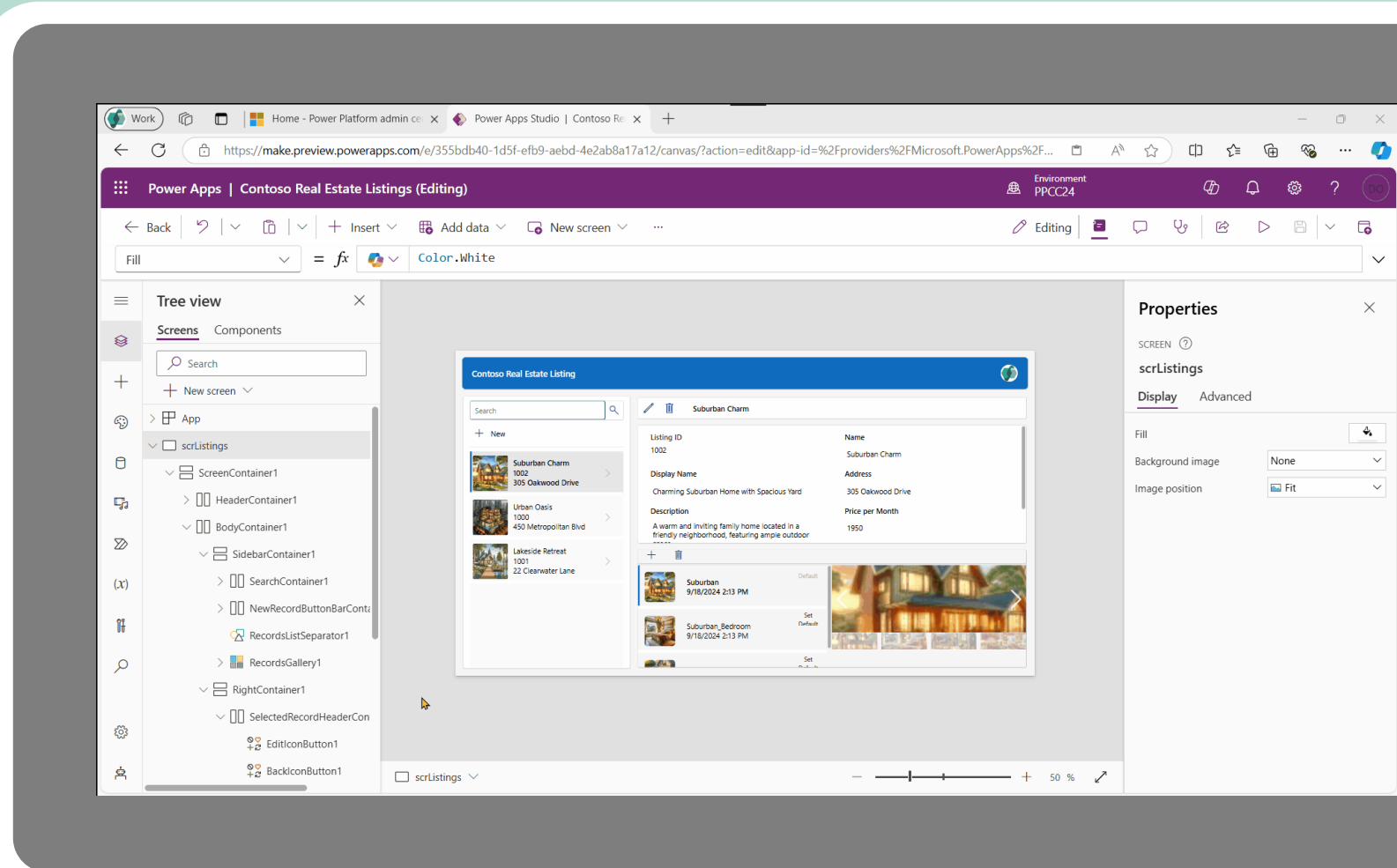
Reuse components

Code snippets templates

aka.ms/power-apps-snippets

Copy and Paste Beyond controls

Screens support coming 2024 Q4



Test Engine

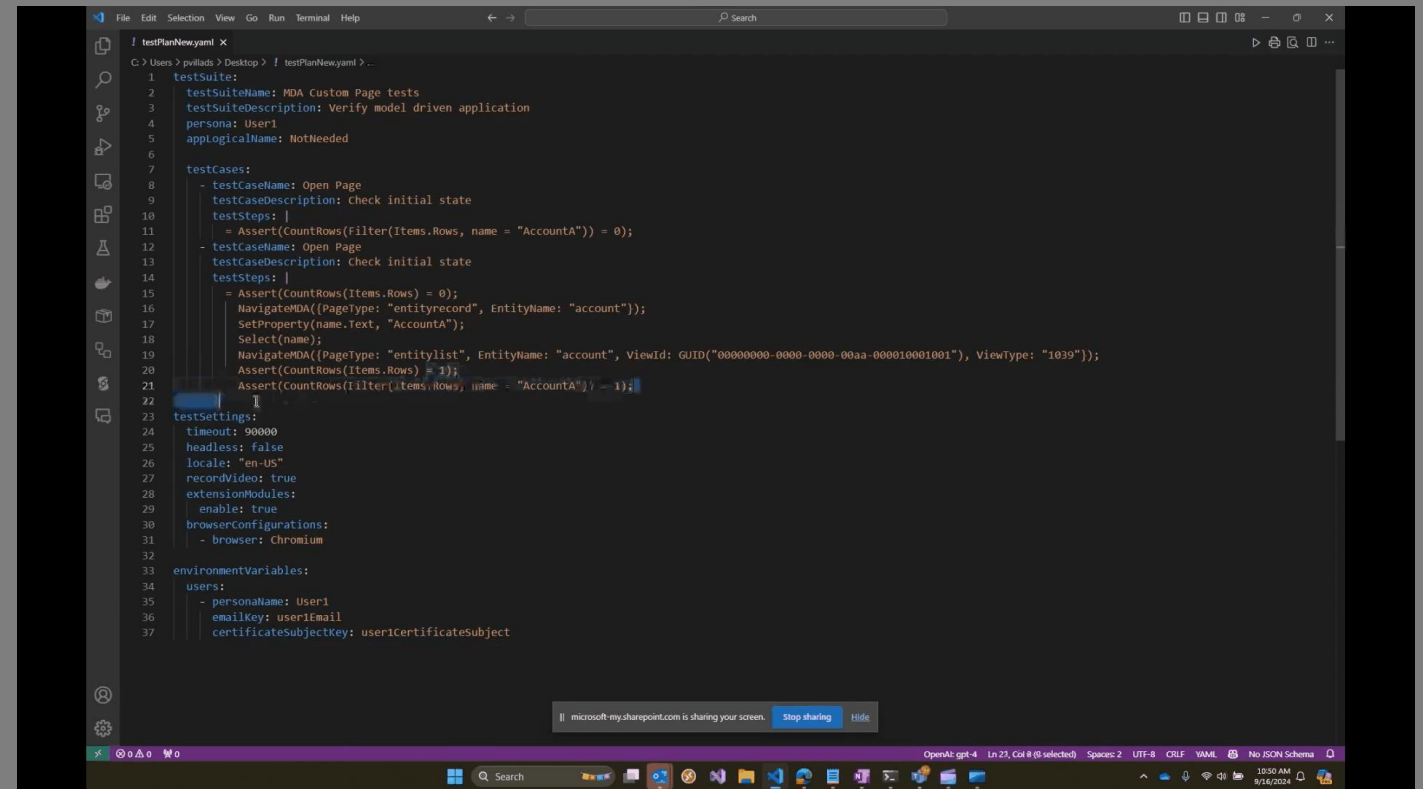
Coming...

Certificated based authentication
Coming 2024 Q4

Test Model Driven Apps
Coming 2024 Q4

Test PCF controls
Coming 2025 H1

Copilot and Pipeline
Coming 2025 H2



```
1 testSuite:
2   testSuiteName: MDA Custom Page tests
3   testSuiteDescription: Verify model driven application
4   persona: User1
5   appLogicalName: NotNeeded
6
7 testCases:
8   - testCaseName: Open Page
9     testCaseDescription: Check initial state
10    testSteps: |
11      = Assert(CountRows(filter(Items.Rows, name = "AccountA")) = 0);
12   - testCaseName: Open Page
13     testCaseDescription: Check initial state
14    testSteps: |
15      = Assert(CountRows(Items.Rows) = 0);
16      NavigateMDA(PageType: "entityrecord", EntityName: "account");
17      SetProperty(name.Text, "AccountA");
18      Select(name);
19      NavigateMDA(PageType: "entitylist", EntityName: "account", ViewId: GUID("00000000-0000-0000-00aa-000010001001"), ViewType: "1039");
20      Assert(CountRows(Items.Rows) = 1);
21      Assert(CountRows(filter(Items.Rows, name = "AccountA")) = 1);
22
23 testSettings:
24   timeout: 90000
25   headless: false
26   locale: "en-US"
27   recordVideo: true
28   extensionModules:
29     enable: true
30   browserConfigurations:
31     - browser: Chromium
32
33 environmentVariables:
34   users:
35     - personaName: User1
36       emailKey: userEmail
37       certificatesSubjectKey: userCertificatesSubject
```

Native source code integration

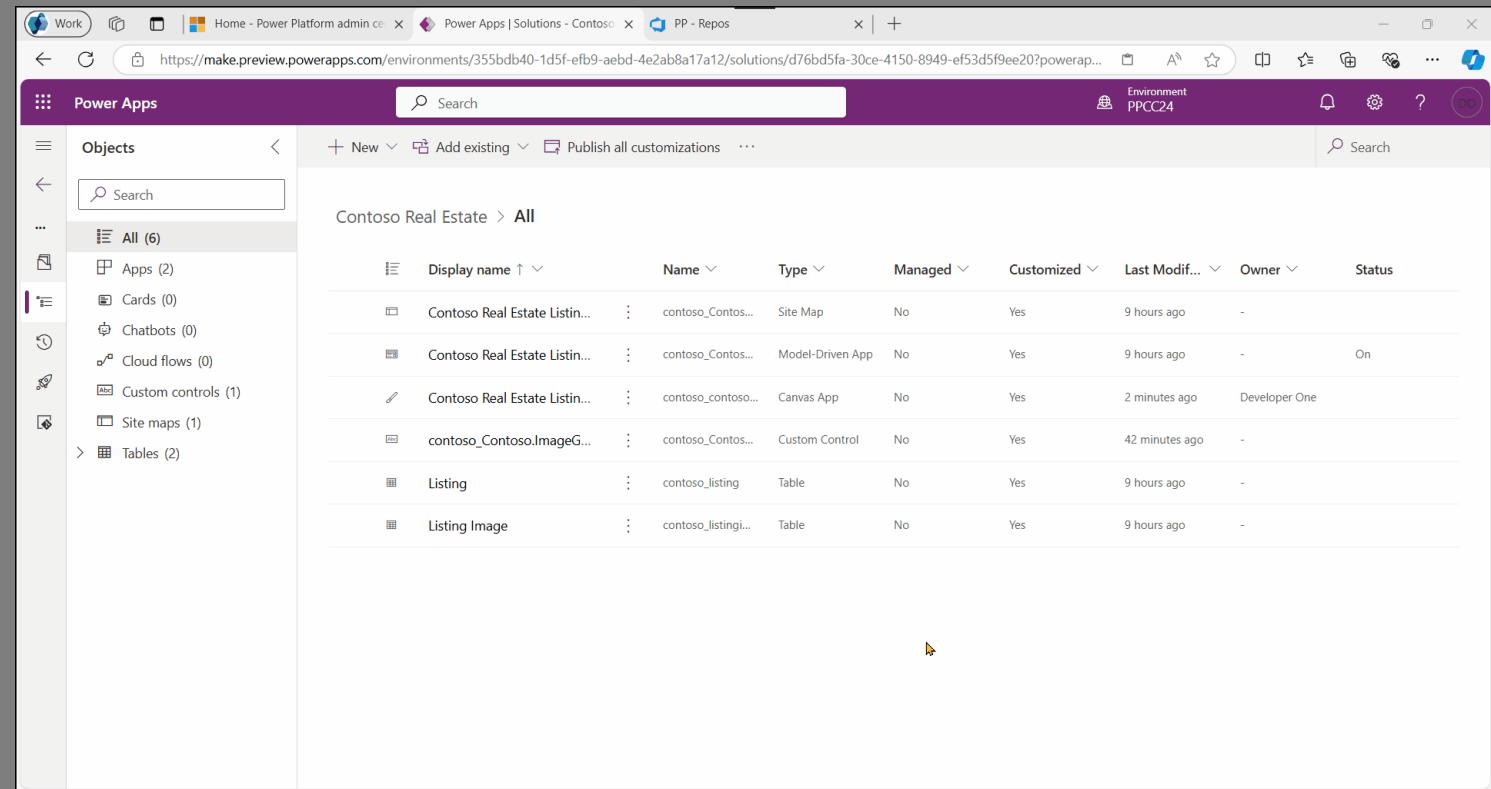
Limited Preview

Connect in seconds
No tools to setup

Fusion development across N
environments and source control

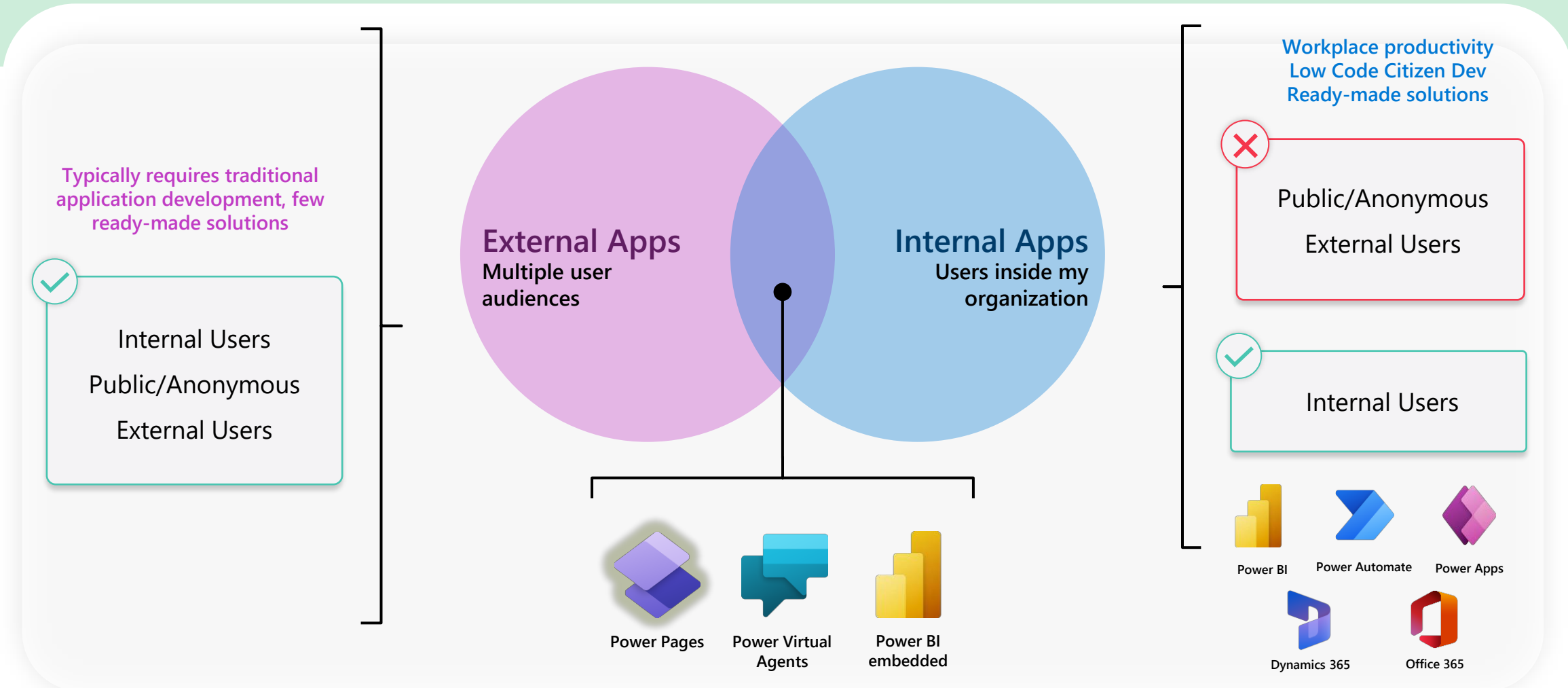
Simple, powerful Git version
control for all of Power Platform

Sunset of experimental Power
Apps Git Integration



Power Pages differentiation in Power Platform

Power Pages is unique in Power Platform as it address various audiences for your application that are **external and internal to your organization**. With Power Pages you can build websites that are completely public without users having to login or have user's login via wider range of Identity Providers.



Power Pages for Pro-developers

Power Platform CLI

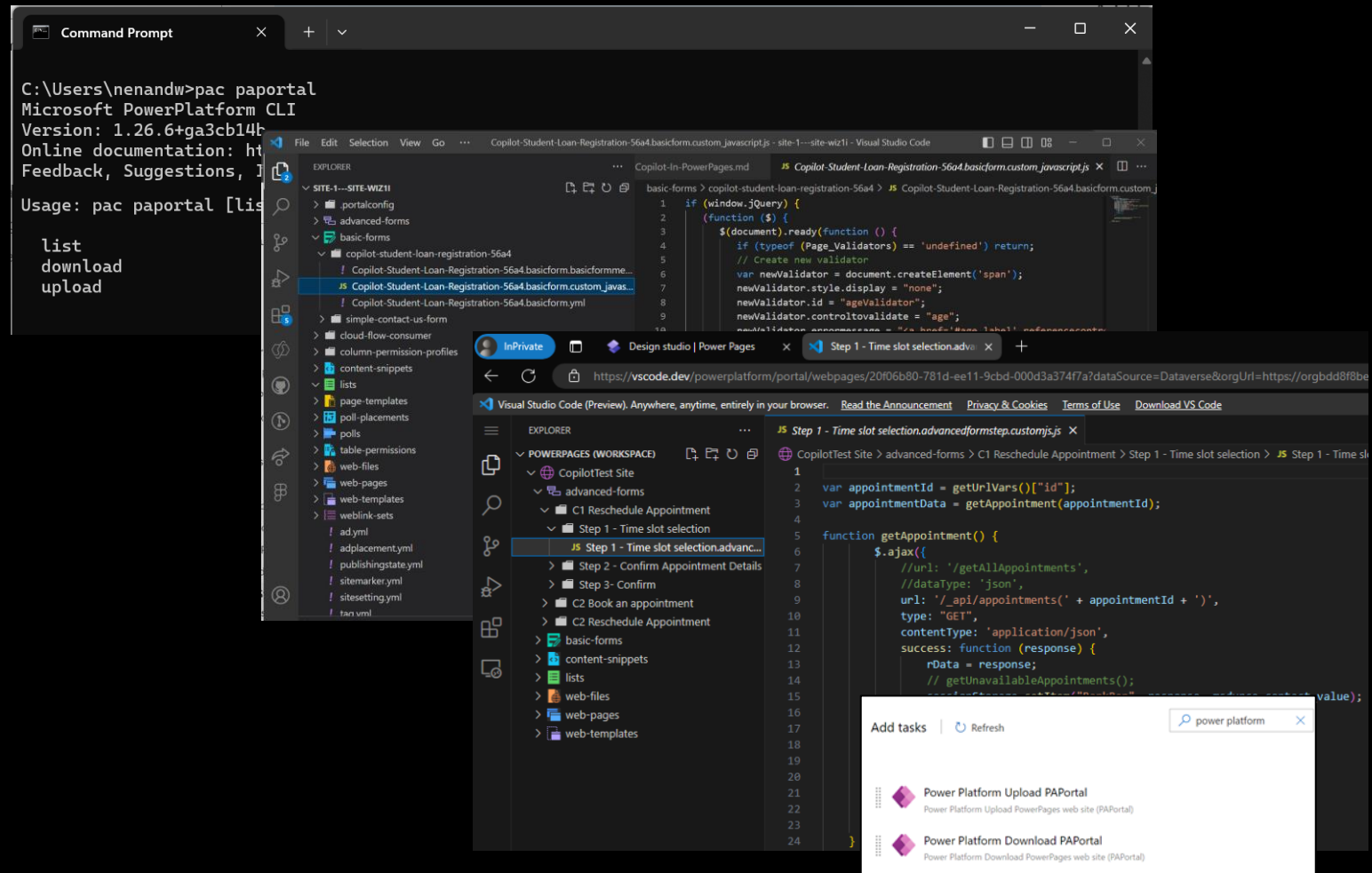
Download the Website as local files

VS Code Desktop and Web

Switch between Studio low code experience to Visual Studio Code Web

CI/CD Support

Use OOB supported tools like GitHub Actions, Azure DevOps tasks to make ALM process seamless



Copresence in Power Pages Visual Studio Code for the Web

Public Preview

People on the site

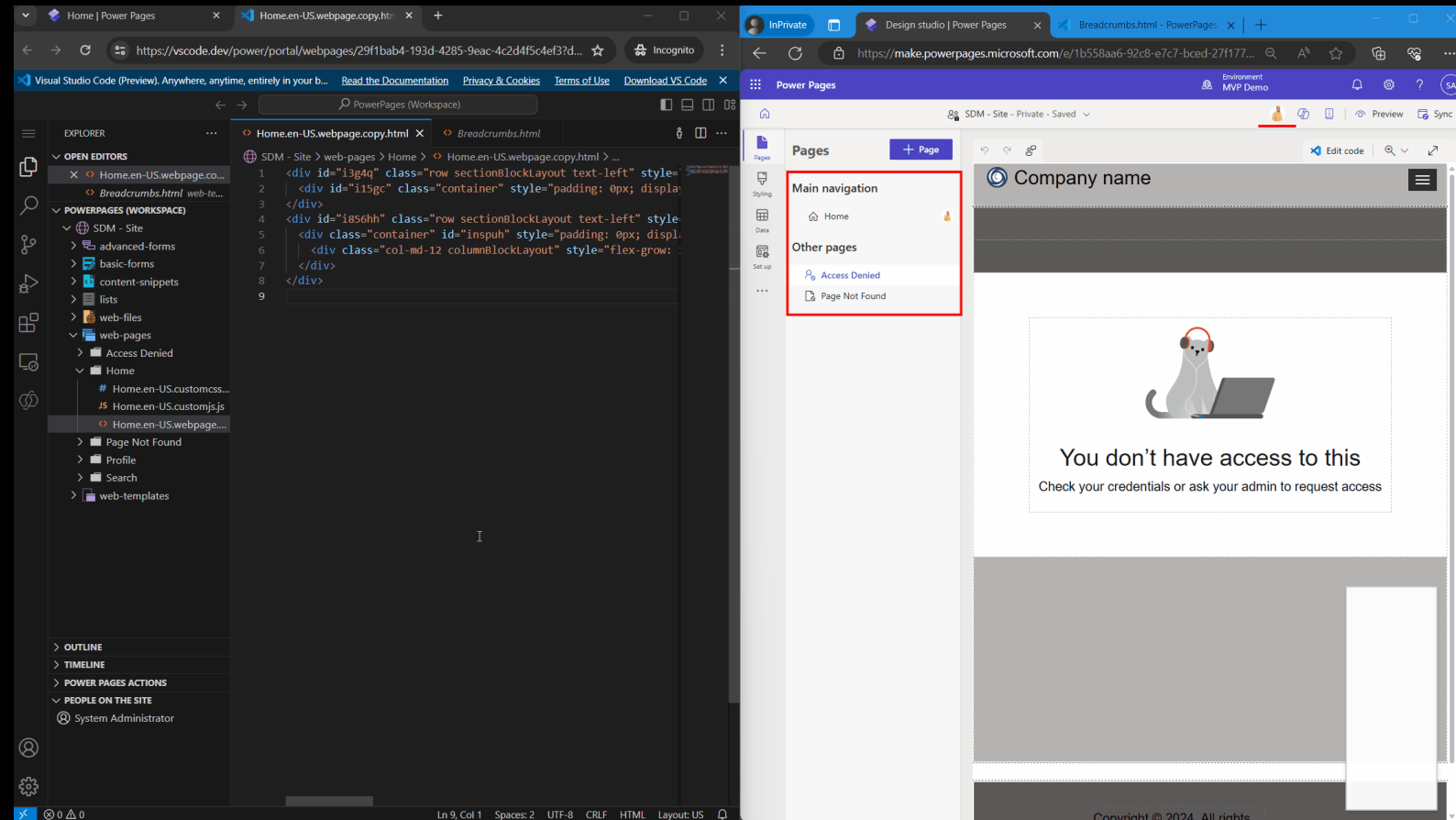
See other makers currently active on Studio or VS Code for the web

Easy Communication

Directly contact collaborators through Email or Microsoft Teams

Page-Level Tracking

See teammates that are actively working on selected page

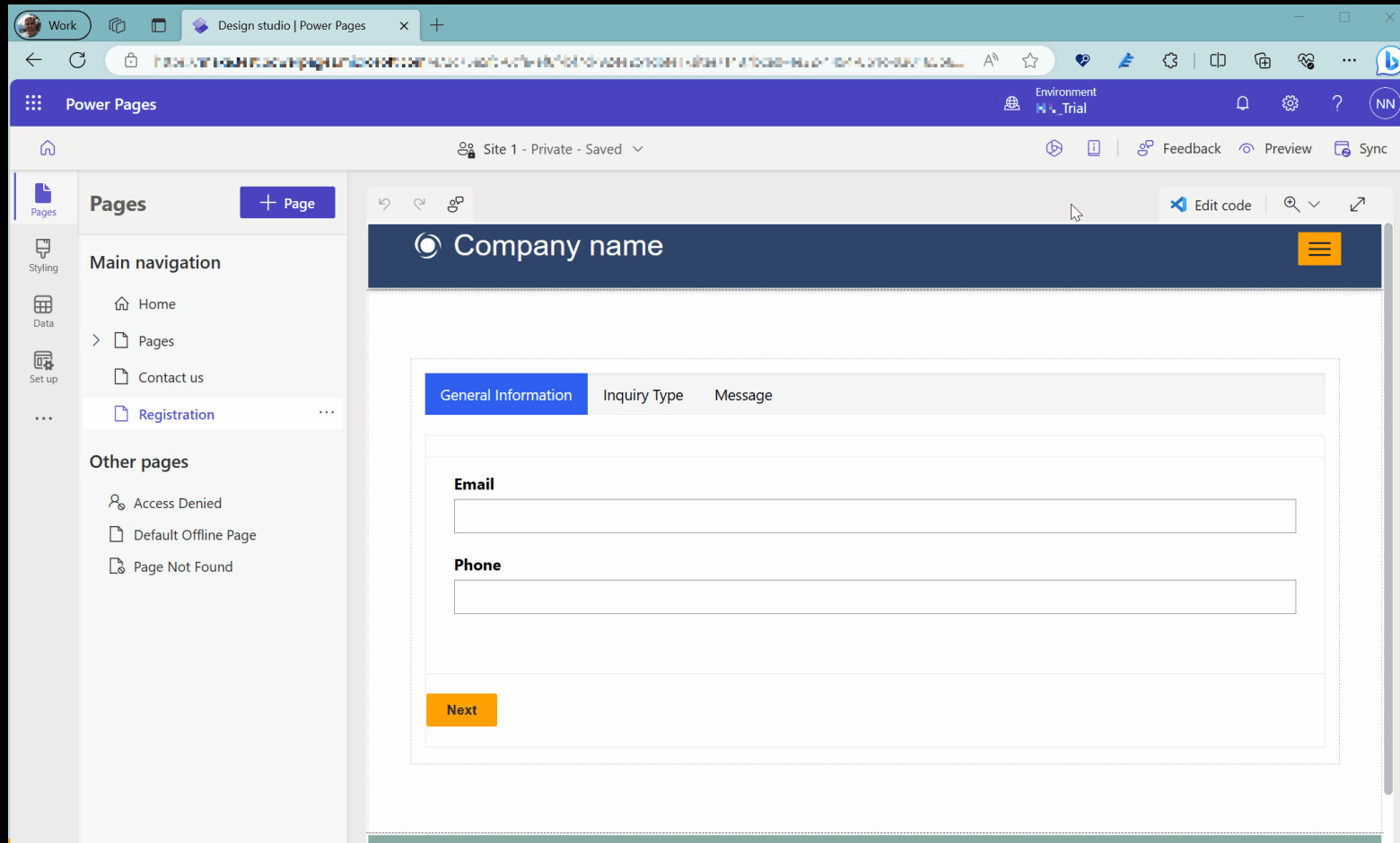


Get coding assistance with Copilot in Power Pages

Public Preview

Code writing

Get coding writing assistance while you edit your site code



Get coding assistance with Copilot in Power Pages

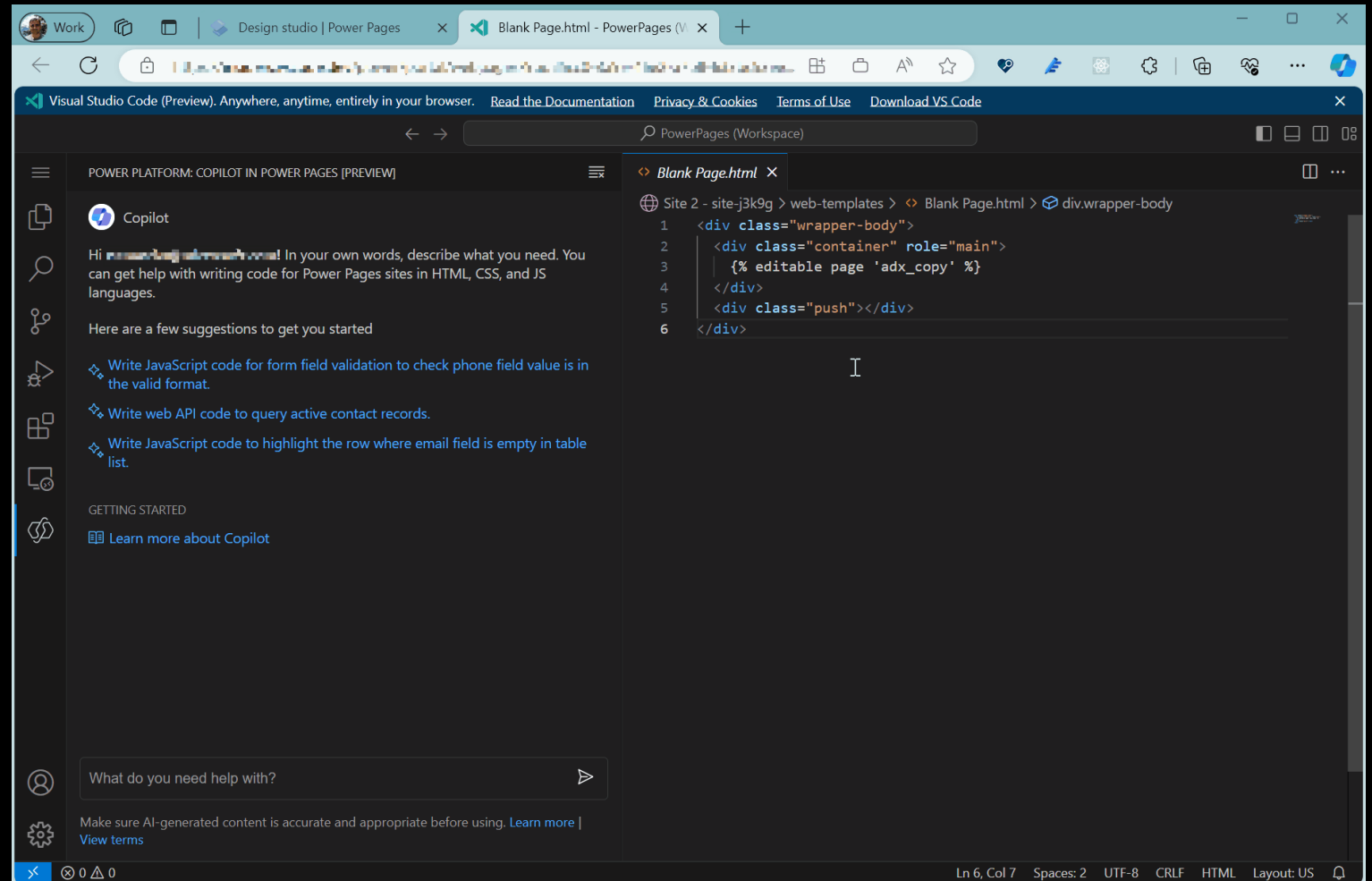
Public Preview

Code writing

Get coding writing assistance while you edit your site code

Code Explain

Understand existing code using Copilot



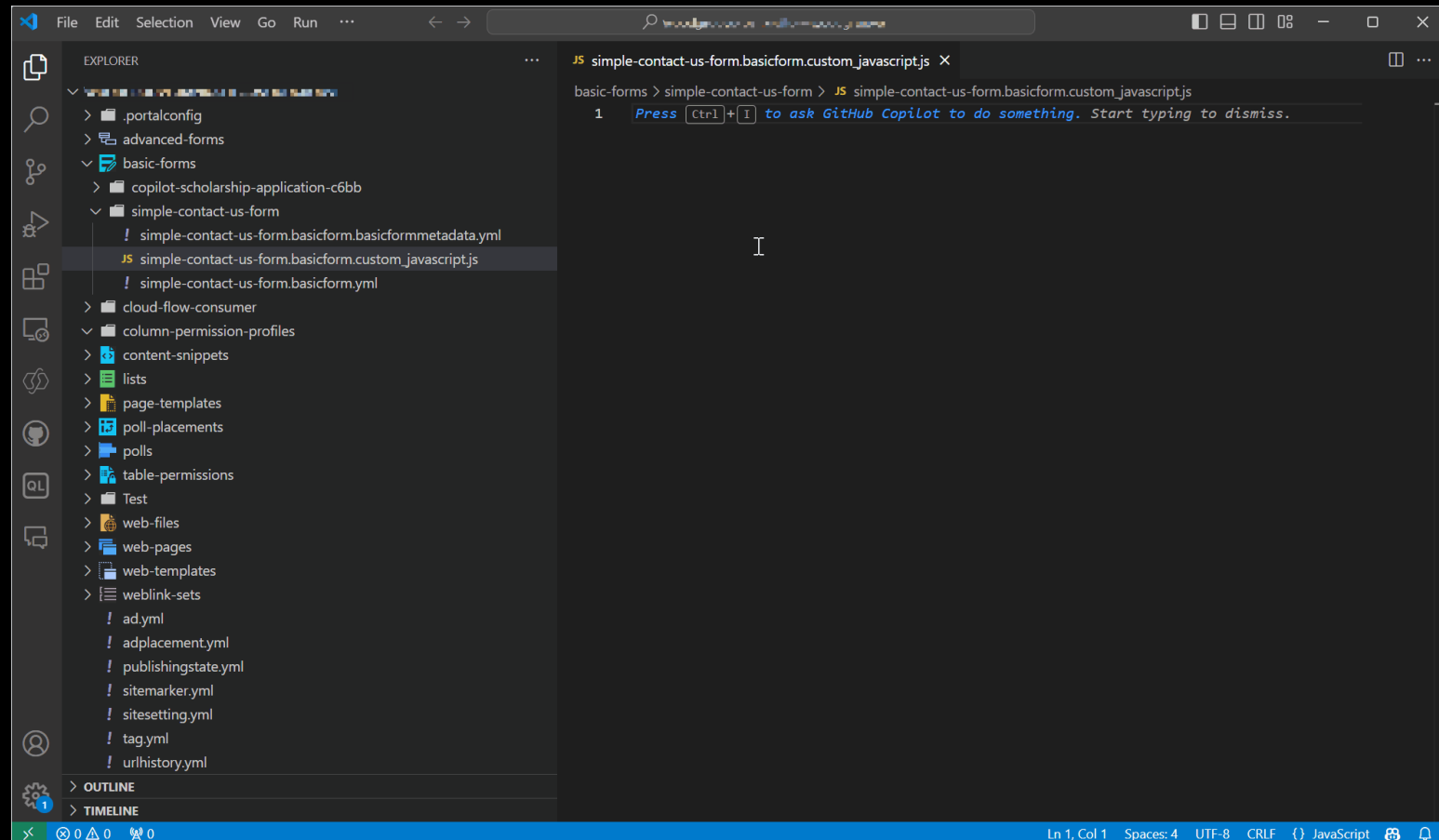
Power Pages (@powerpages) participant within GitHub Copilot Chat

Public Preview



Use @powerpages in GitHub Copilot Chat

This feature allows @powerpages to be a participant in the Power Platform Tools VS Code extension. Users can now utilize the Power Pages AI Code capabilities by adding the @powerpages participant within GitHub Copilot chat without leaving their current work context.



Demo

-
- Use Power Page participant in GitHub Copilot Chat

Community Spotlight

Julien Bonsangue

John Cockerill Group



Driven since 1817 by the entrepreneurial spirit and passion for innovation of its founder, the **John Cockerill Group** develops large-scale technological solutions to meet the needs of its time.

Julien Bonsangue,
Head of digitalization, Data & Analytics





John
Cockerill



Power Apps



Long story short

- Power Platform since 2020
- Focus on internal process digitalization
- 2000+ daily users
- 30+ apps in production
- 3 techs: 1 Architect, 1 pro-developer and 1 low-code developer
- 5 Product Owners
- Agile Scrum – 1 week sprint

Conclusion

- We spend more time (and fun) in architecture: choosing the right tools combination
- SAP integration have fueled the backlog of opportunities / value created
- ProDevs do low-code as well
 - Moving from **a code writing mindset**
 - To **value delivered** mindset
- The power stands in the whole ecosystem

Time for Questions!

Thank YOU!

Please fill out our feedback form

https://whova.com/portal/session_feedback/mppc_202409/4099254/

