Microsoft Power Platform

Easy as 1, 2, 3: Build, deploy, and scale enterprise-grade applications

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Principal Product Manager
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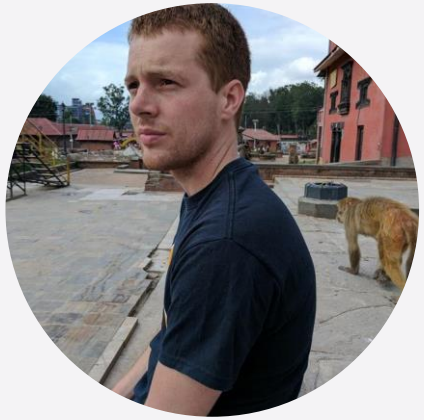

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Chevron Low Code Automation

Agenda

Framing: Scale & ~~Enterprise apps~~ Business critical

- What do we mean by scaling?
- What does Business critical mean to you?

Customer Case study: Chevron

- Solution ALM at Chevron

Latest and greatest: Demos

- Preferred Solution
- Delegated Deployment
- Pipelines + Source Code integration
- Pipeline Onramps
- Discoverable pipeline custom host
- And more… ☺

What's next?

- Learn more with learn.microsoft.com

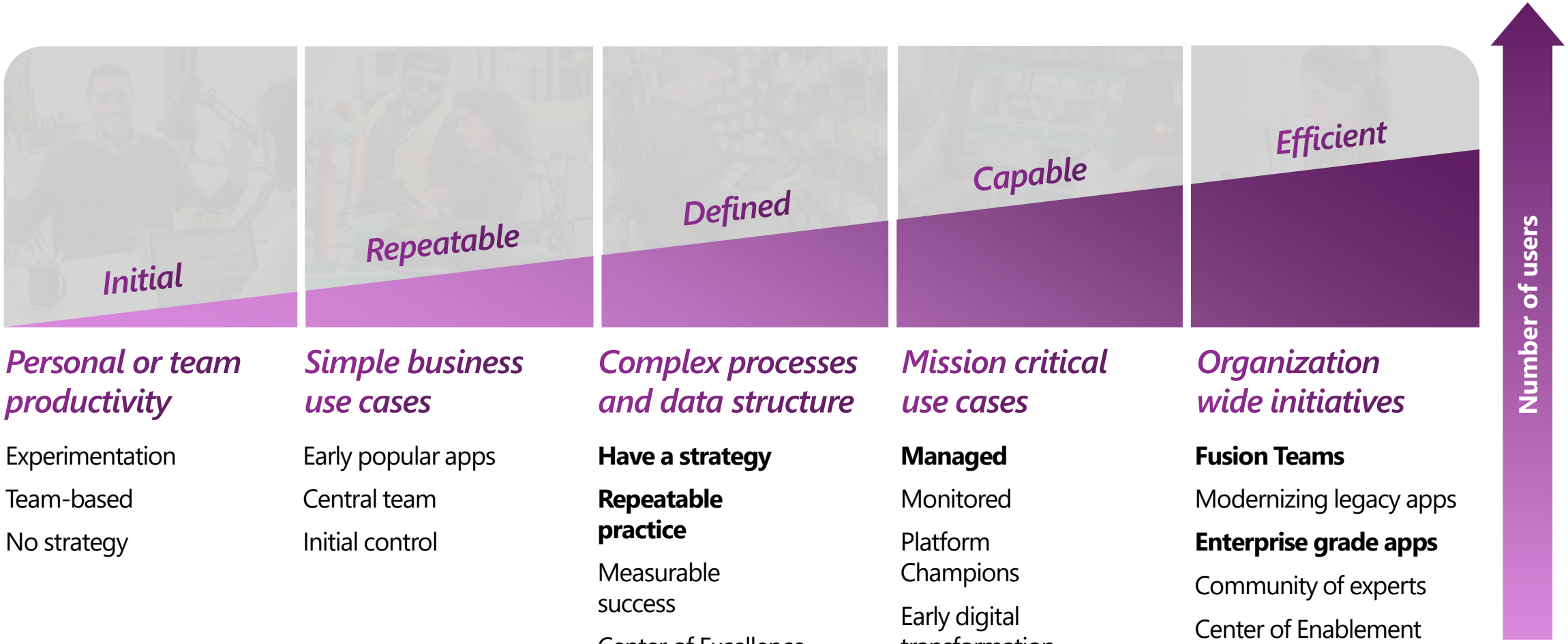
But first, ask questions on our AMA

https://aka.ms/powerAMA

Event code: 3584

What do we mean when we talk about scaling Power Platform adoption?

Technology Adoption Maturity Model



Personal or team productivity

Experimentation

Team-based

No strategy

Simple business use cases

Early popular apps

Central team

Initial control

Complex processes and data structure

Have a strategy

Repeatable practice

Measurable success

Center of Excellence

Mission critical use cases

Managed

Monitored

Platform Champions

Early digital transformation

Organization wide initiatives

Fusion Teams

Modernizing legacy apps

Enterprise grade apps

Community of experts

Center of Enablement

What do we mean by Business critical applications?

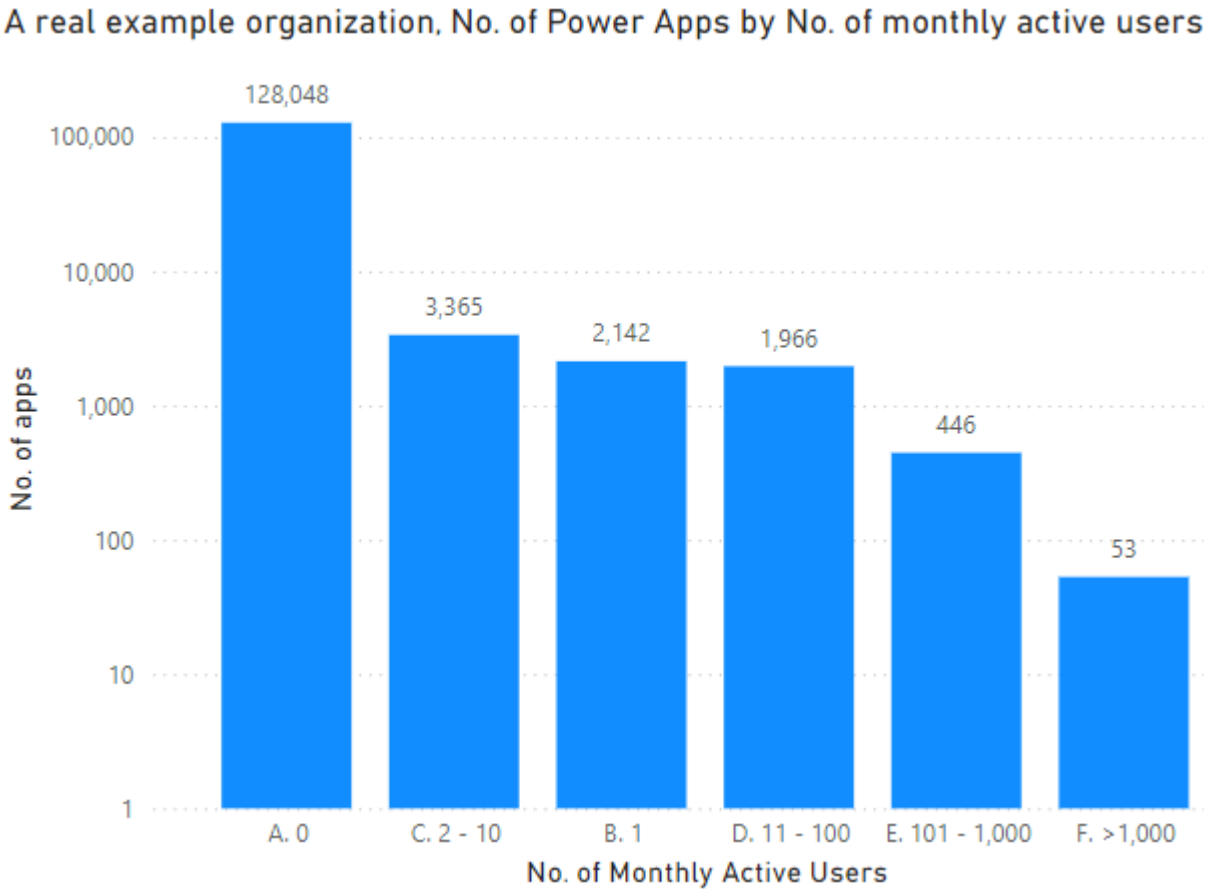
What does business critical mean to you?

- Is every digital solution business critical?
- Does tech influence the importance?
- Has your organization scaled building solutions?

Is every digital solution business critical?

Is every digital solution business critical?

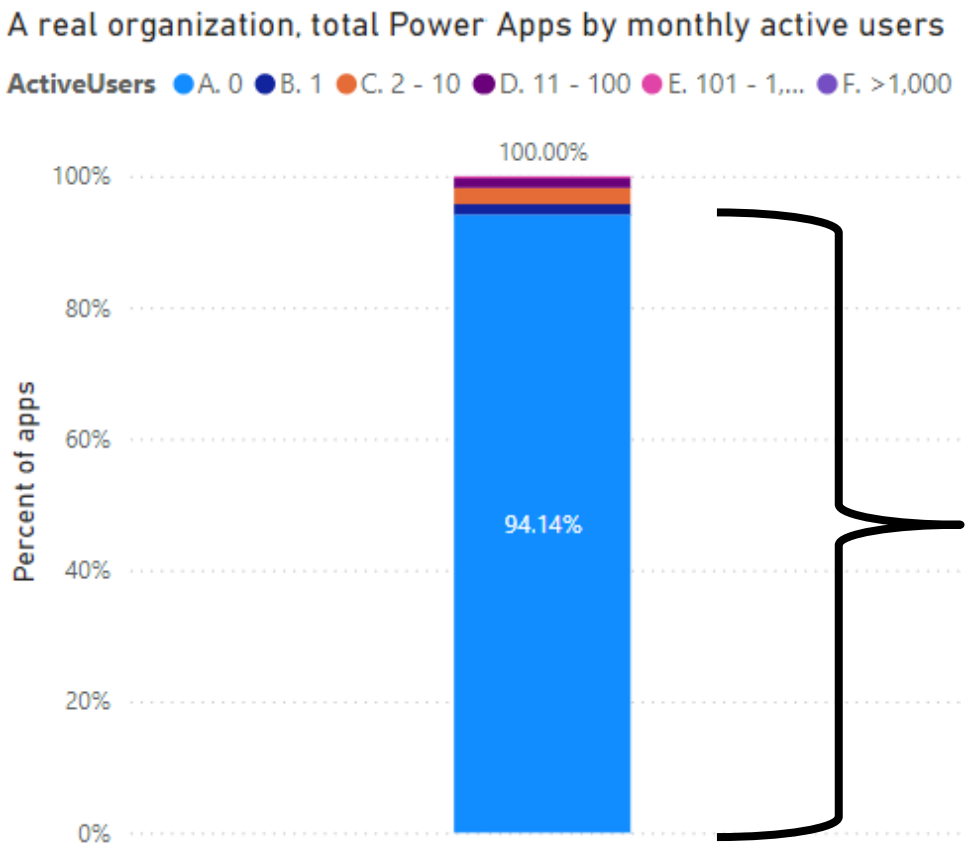
Let's look a real world, anonymous, example of Power Apps in a *single* organization.



This organization has >136,000 apps!

Is every digital solution business critical?

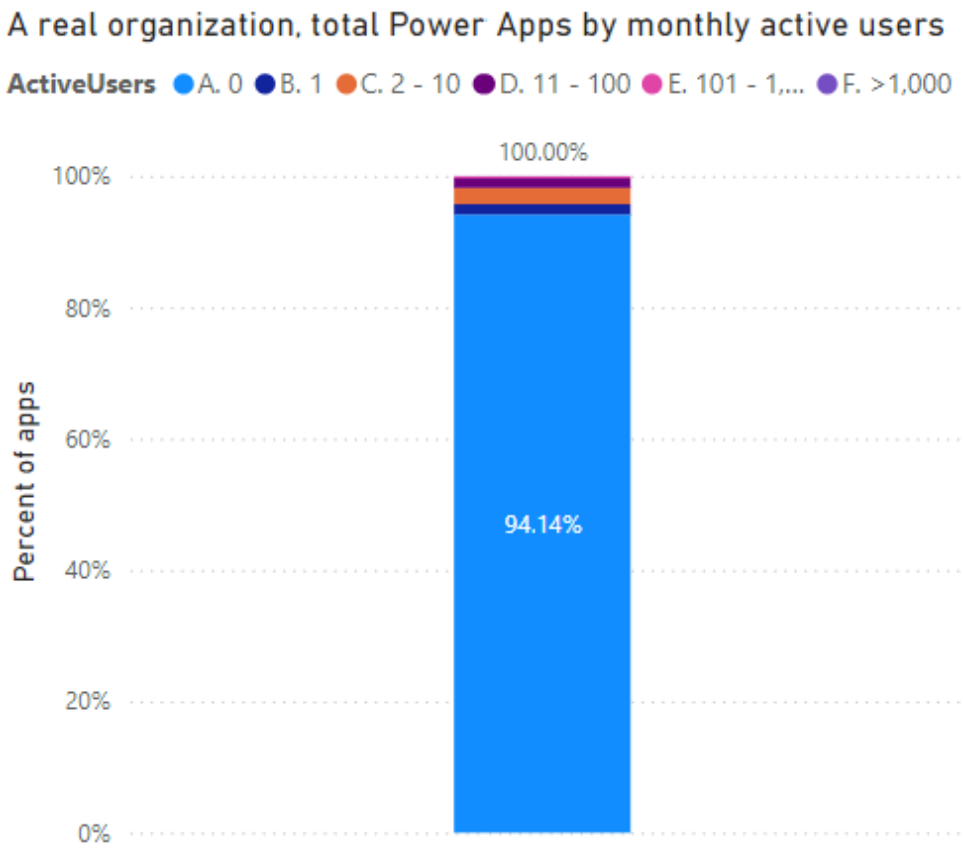
94% of apps have 0 monthly active users. **It's likely many are 'test 123' apps.**



94% of apps have 0 monthly active users

Is every digital solution business critical?

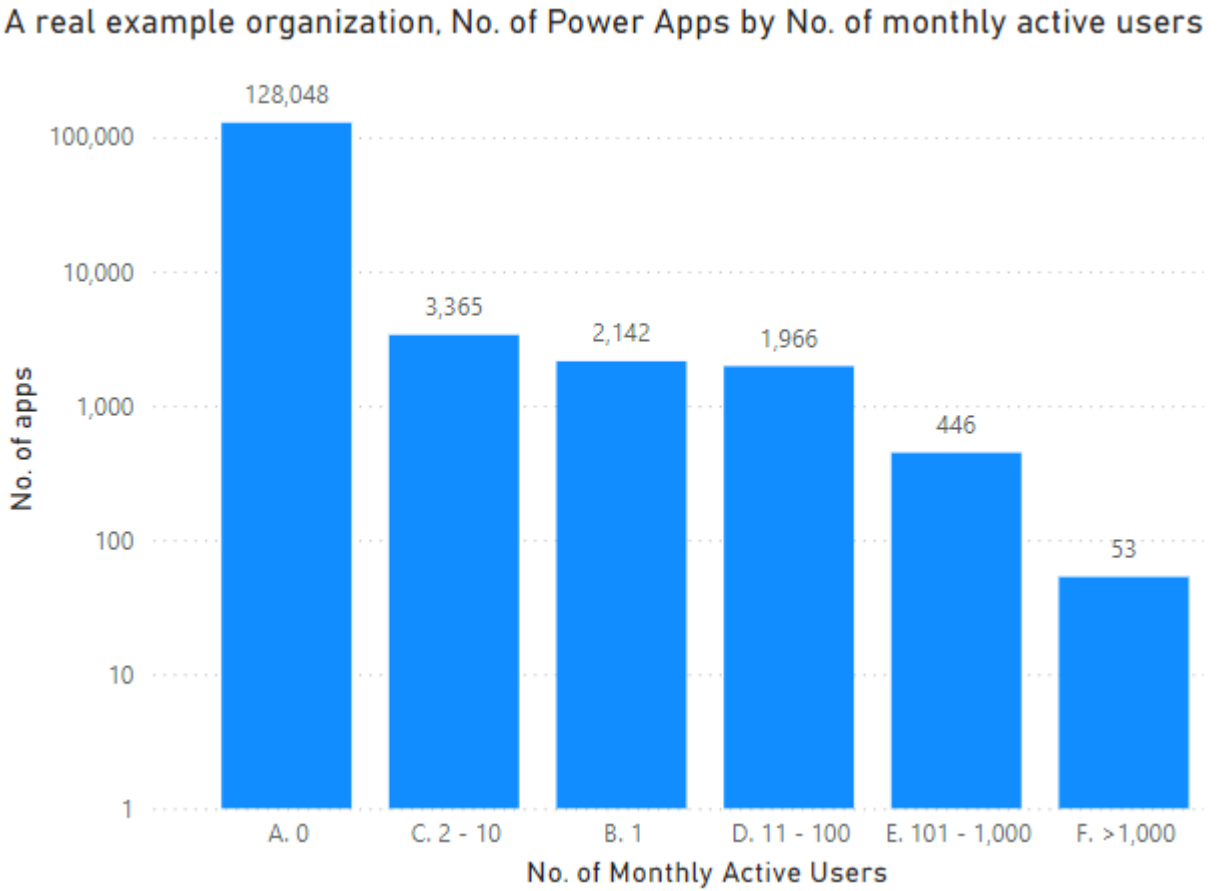
However, it's likely **some apps** are used quarterly or semi-annually, and **important when needed**.



E.g. An app that's only used quarterly will have 0 users some months. Like apps supporting quarterly financial reports.

Is every digital solution business critical?

At the other extreme, this organization has 53 apps with >1,000 users!

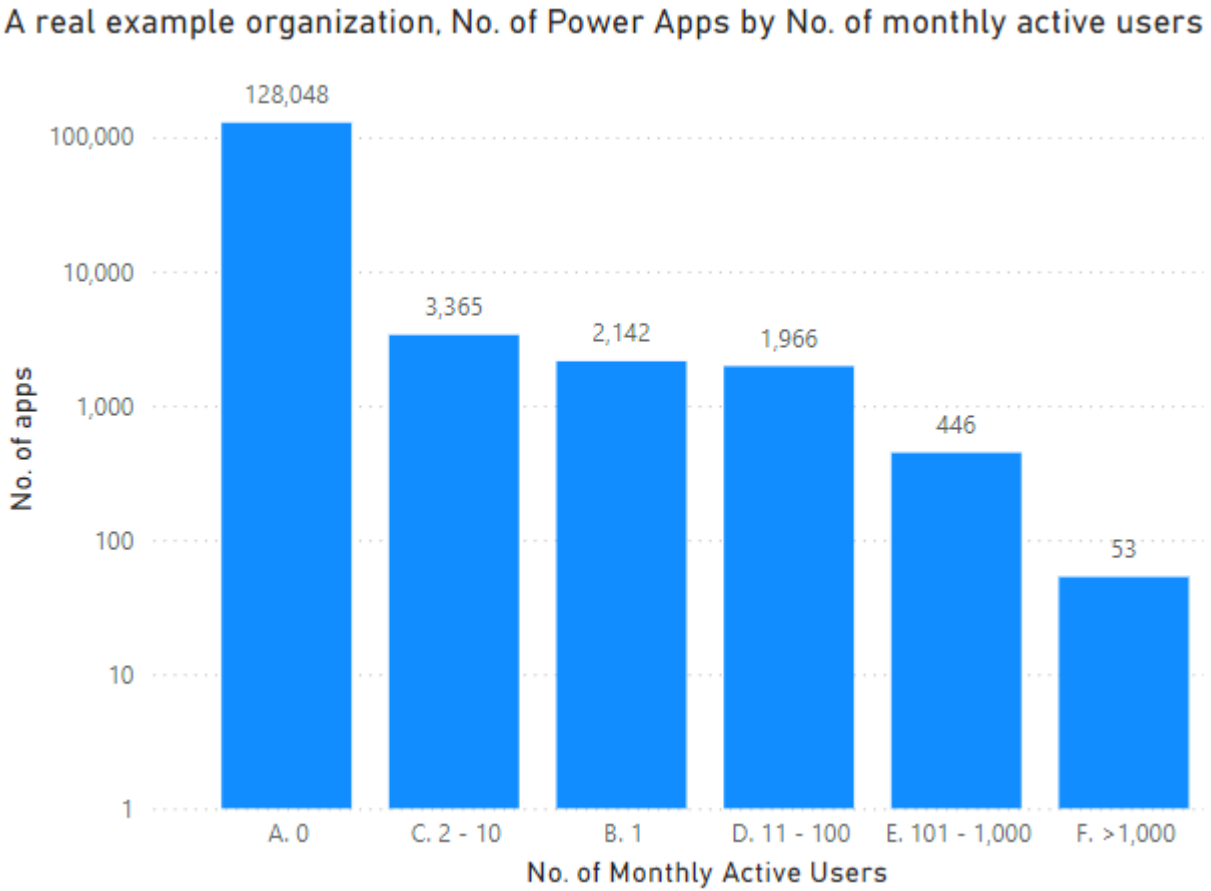


Any failure that impacts >1,000 users likely impacts business productivity.

53 apps with >1,000 users!

Is every digital solution business critical?

We know from your feedback, the audience size doesn't dictate business importance!



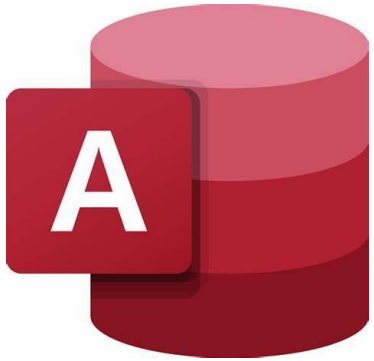
Business impact dictates business importance.

We recommend identifying the solutions your business is dependent on!

Does tech influence the importance?

Does tech influence importance?

The market has proven no. Tech is a means to an end. It changes over time.

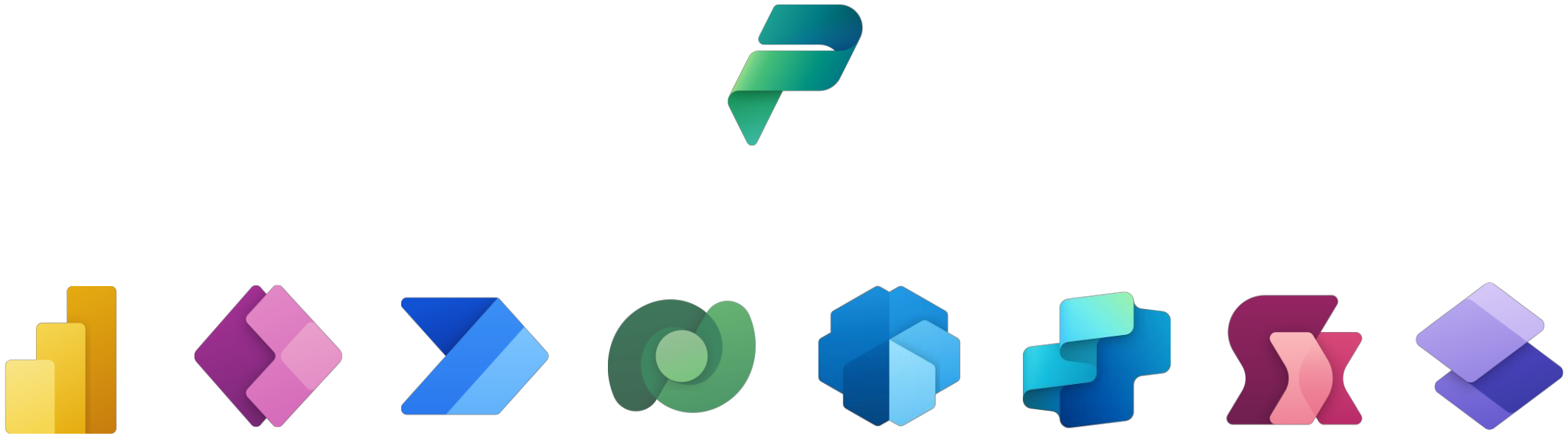


Does tech influence importance?

Technologies that rise in popularity correlate with faster-time-to-value and proven reliability.

Does tech influence importance?

We’re here because we’re proving faster-time-to-value along with reliability with Power Platform.



Has your org scaled building critical solutions?

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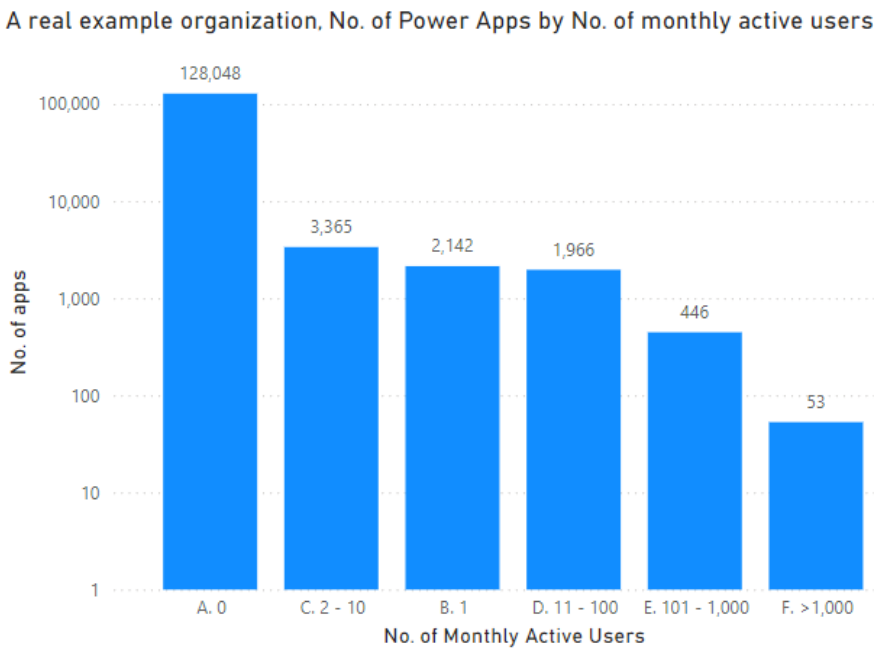
Like our anonymous example, **many organizations have *thousands* of digital solutions**.



Has your org scaled building critical solutions?

How many solutions does your business have?

- Less than 100?
- Less than 1,000?
- Less than 1,000?
- Less than 10,000?
- More than 10,000?

Has your org scaled building critical solutions?

How many solutions does your business have?

- Less than 100?
- Less than 1,000?
- Less than 1,000?
- Less than 10,000?
- More than 10,000?

Do you know which solutions your business has the greatest dependency?

Has your org scaled building critical solutions?

Today, we'll focus on **capabilities that simplify application lifecycle management** (ALM)?

ALM's purpose:

1. Reinforce high-availability and high-reliability in production
2. Allow Makers to edit digital assets safely, outside of production.

Has your org scaled building critical solutions?

Wouldn’t it be great to see a real-world example of an organization that has scaled building solutions using Power Platform?

Chevron

A case study in managing and scaling business critical solutions in their organization.

Content removed due to organizational policy

Application Lifecycle Management at scale

1.0

Manual ALM

Citizen devs & small projects

Simple and useful, but lacks visibility, security, governance, and quality control

Inefficient and error prone

2.0

Tools & accelerators

Split by persona – for citizens or professionals. Not both.

Enterprise-grade CI/CD with extremely **high complexity**

Drives velocity only for **certain projects** while alienating others

High setup costs per project

3.0

Native

Democratized for **all personas**

Enterprise-grade CI/CD with **low complexity**

Drives velocity for **all projects**

Lower TCO at **scale**

Native ALM empowers every developer

Citizen developers

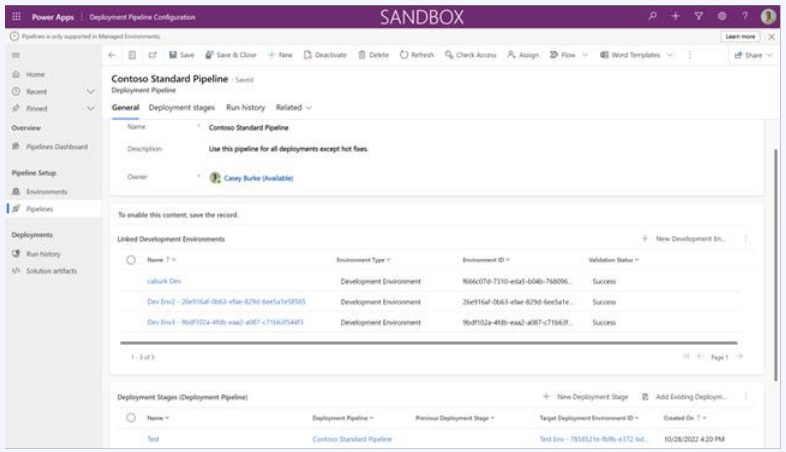
IT professionals

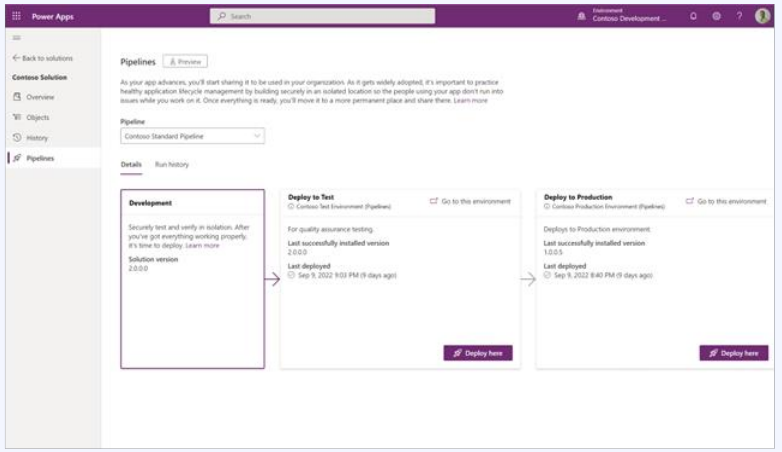
Pro developers

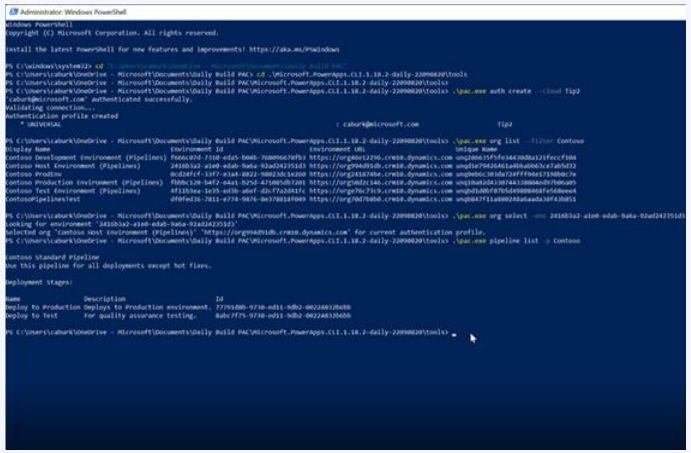
Pipelines kickstarted native ALM

Announced at MPPC 2022

Pipelines simplify ALM for all makers





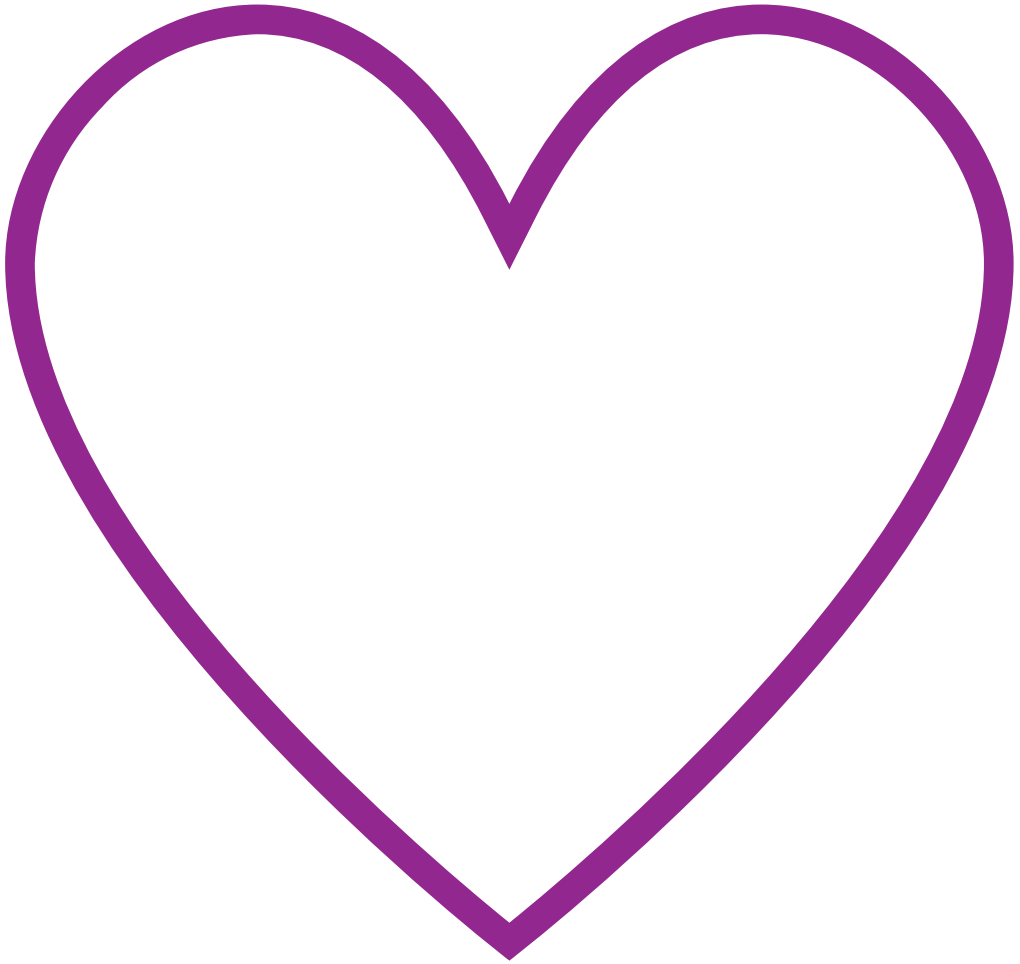


Admins Setup Pipeline in < 2 min

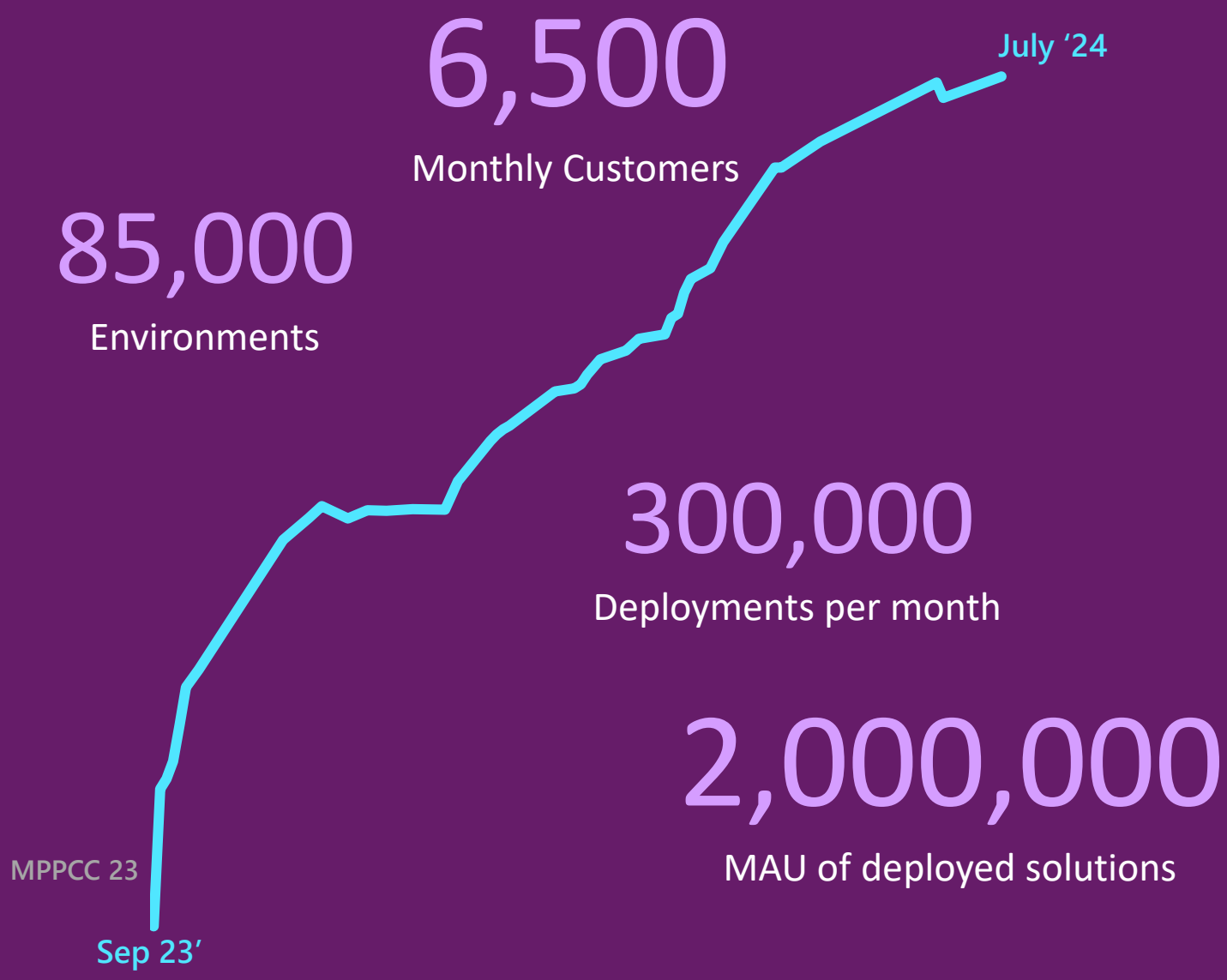
Citizen devs Initiate automated deployments

Developers Simplified tasks

Thank You!



Pipelines Adoption



"This is the first feature in #PowerPlatform Managed Environments that makes premium licensing requirement a deal worth seriously considering."

– Jukka Niiranen, MVP

The bigger ALM picture

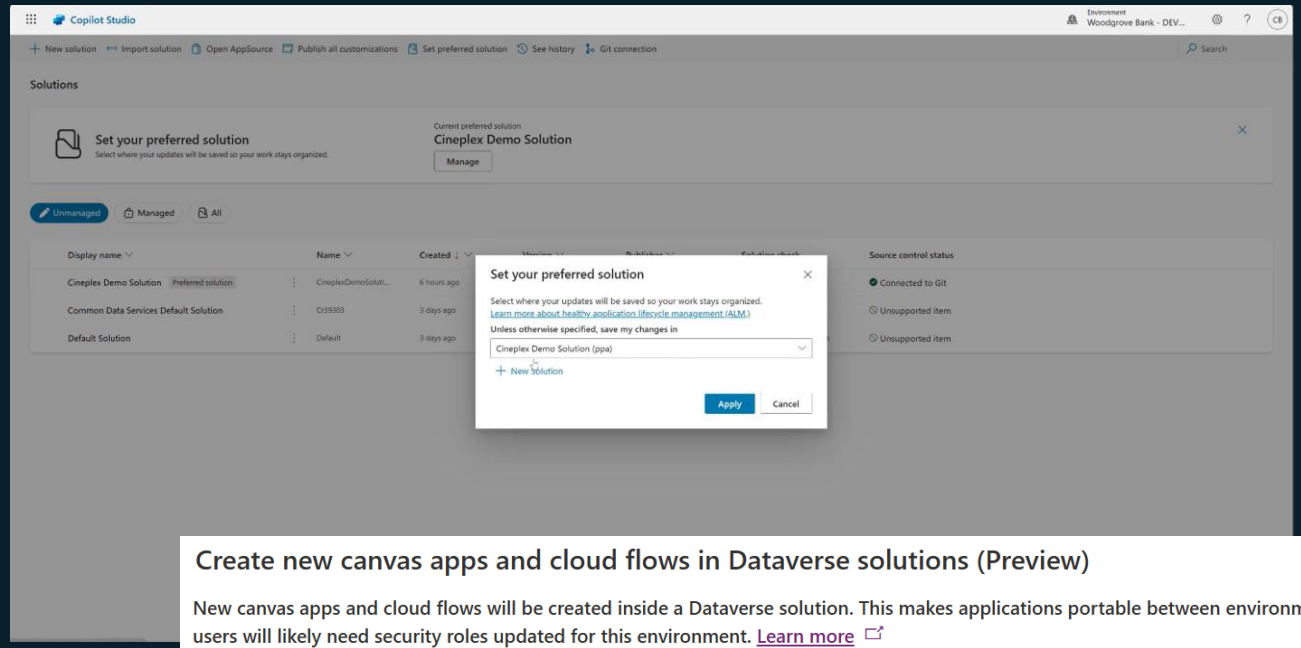
	Initiate	Build	Test	Release	Monitor
Development Team Business users, IT, and coders	Plan requirements, design the interface & architecture, manage work item backlogs	Develop the application	Validate with automated testing or manual testing	Request deployment to Prod environment	Monitor and maintain the application
+ or Native tools + traditional DevOps work together	Managed Environments	Synchronize all changes with source code	Run automated tests	Securely release	
Admins Empowering development at scale	Manages the ALM process	Review changes as they are committed to Git		Approve releases, hot fixes, & rollbacks	Monitor the application portfolio

How to **initiate** healthy ALM org-wide

Preferred Solution

Generally Available

- Stores customizations by default
- Works across all maker experiences
- Starts every maker with “healthy” ALM
- Use with Solutions by Default (Preview)



Create new canvas apps and cloud flows in Dataverse solutions (Preview)

New canvas apps and cloud flows will be created inside a Dataverse solution. This makes applications portable between environments. Note: With this setting on, your users will likely need security roles updated for this environment. Learn more

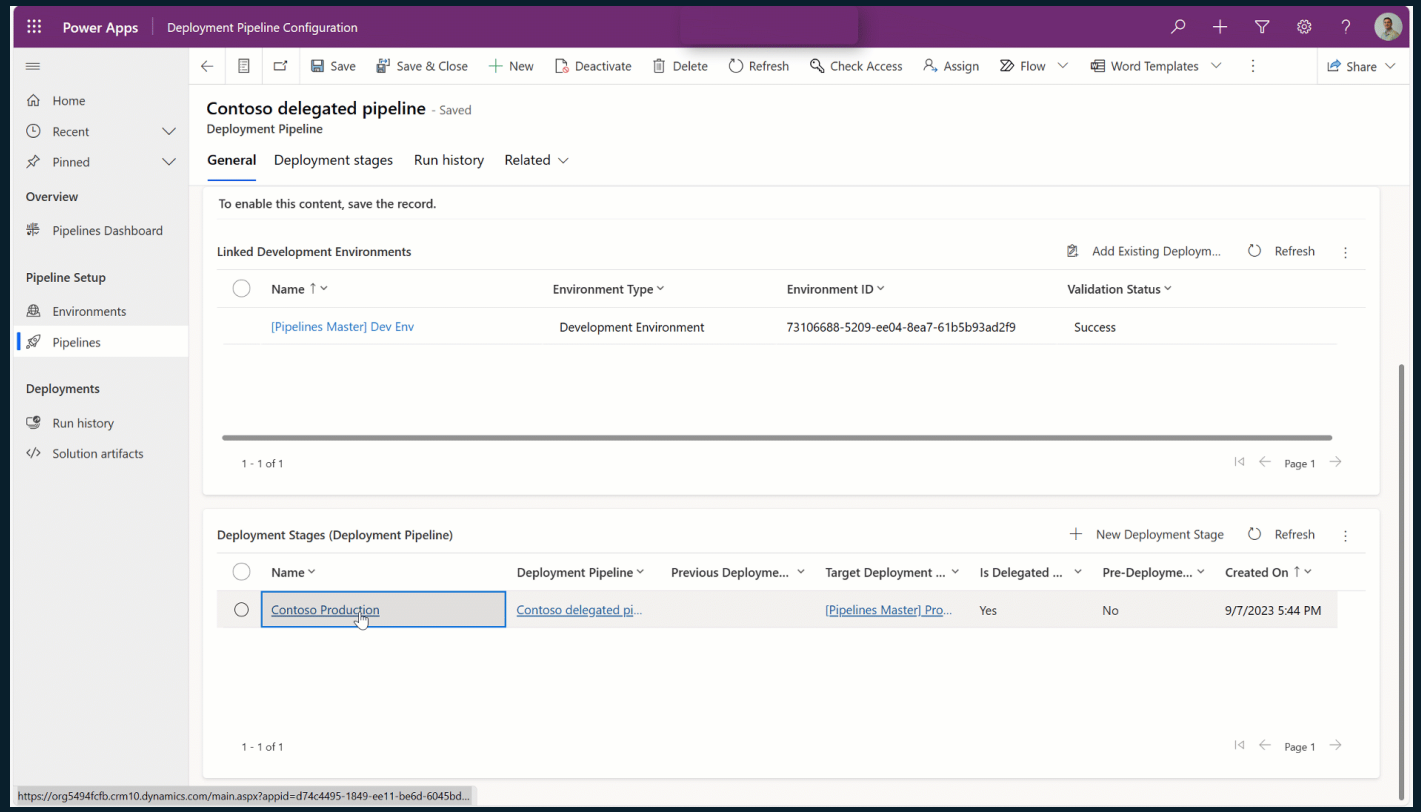
Canvas apps

Cloud flows

Delegated Deployments (SPN)

Generally Available

- **Makers** deploy to production without needing elevated permissions
- AI generated deployment notes make it easy to **approve** or reject deployments.
- **Admins** keep production data and applications protected with least privileged access

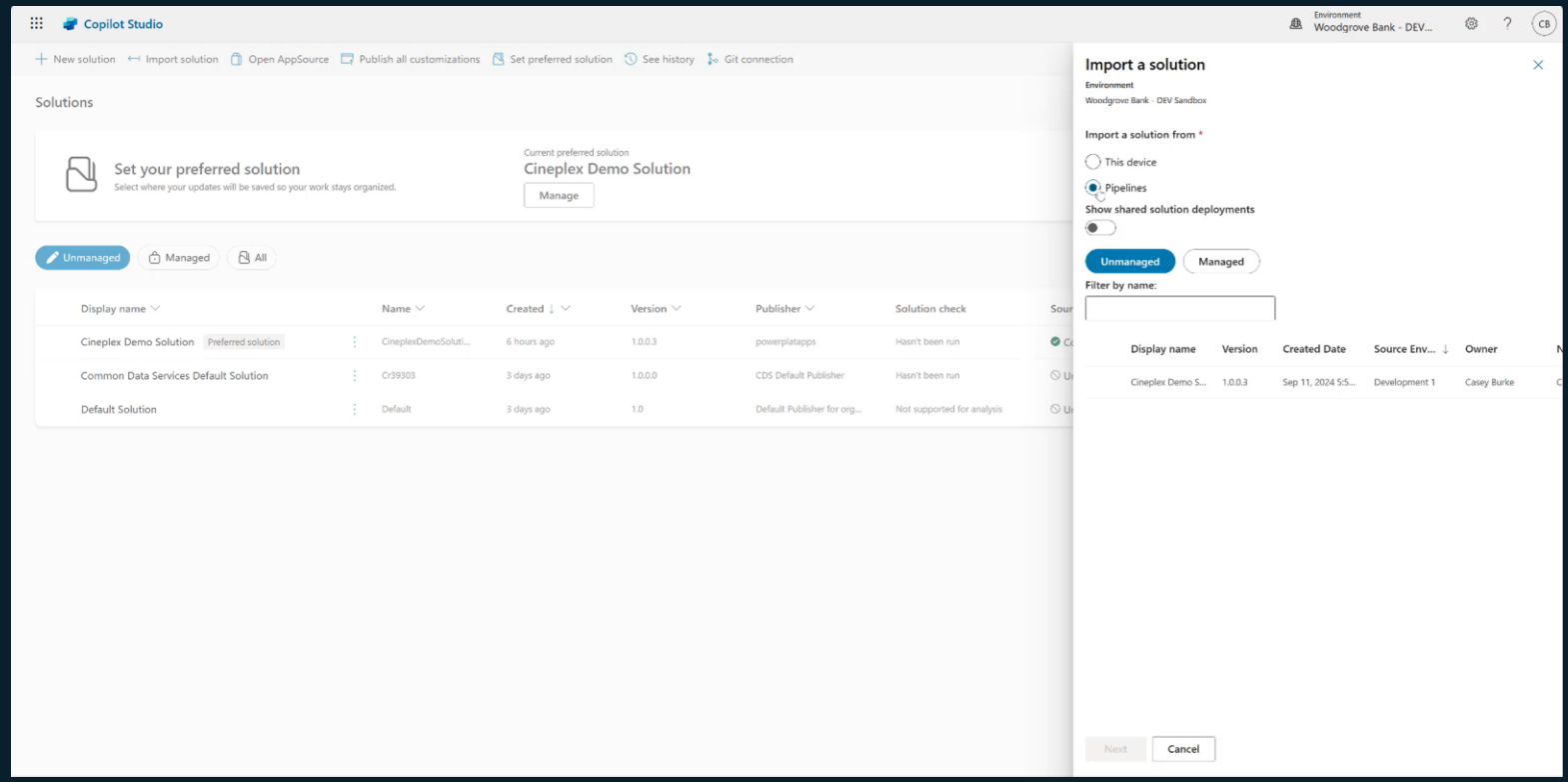


Fusion team development with **native source code**

Import from Pipelines

Coming Soon!

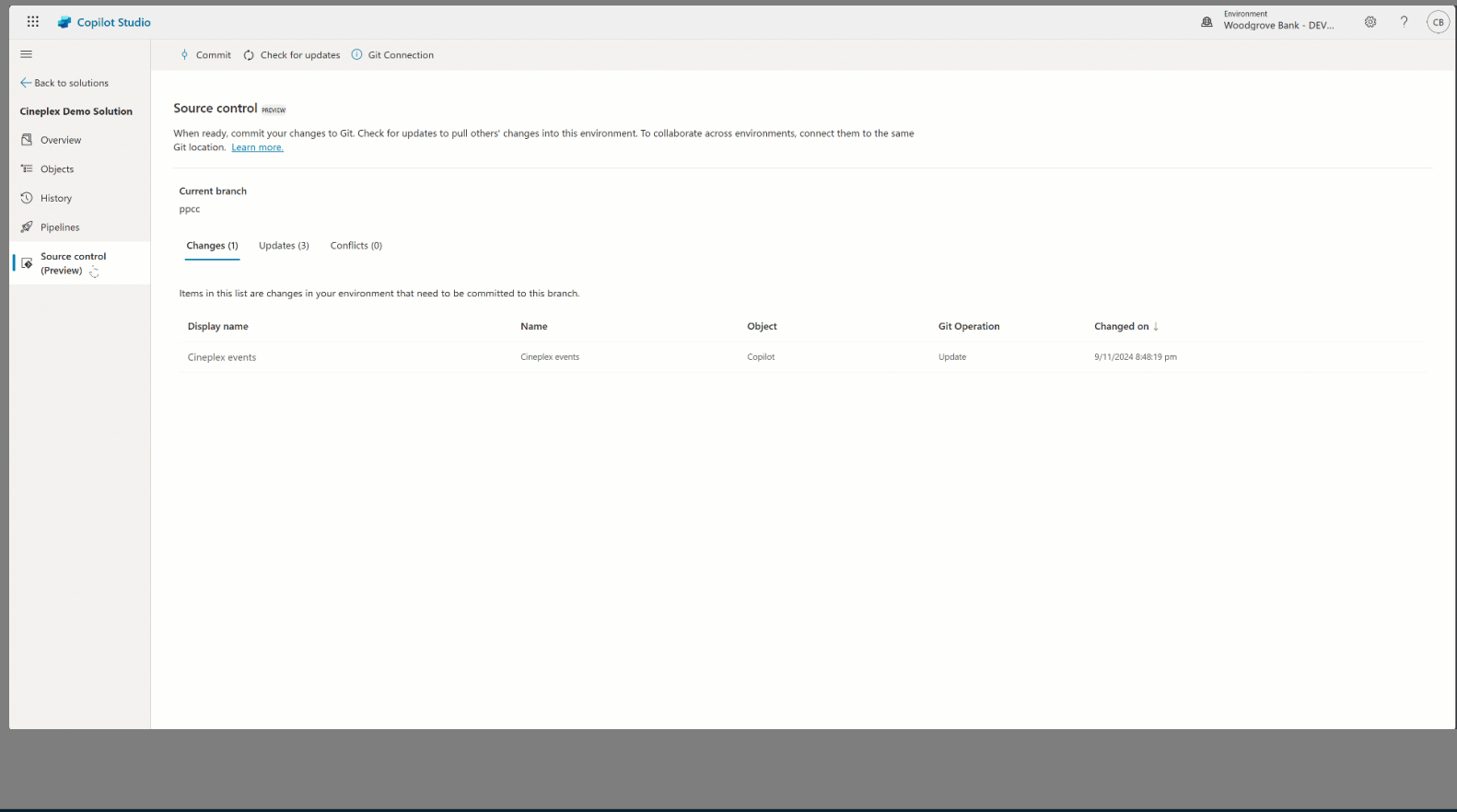
- Pipelines stores backups of every solution deployed
- Makers can now pickup right where they left off
- Never lose your solution again!



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
- Work safely with branches, code reviews, and backups in Azure DevOps repositories

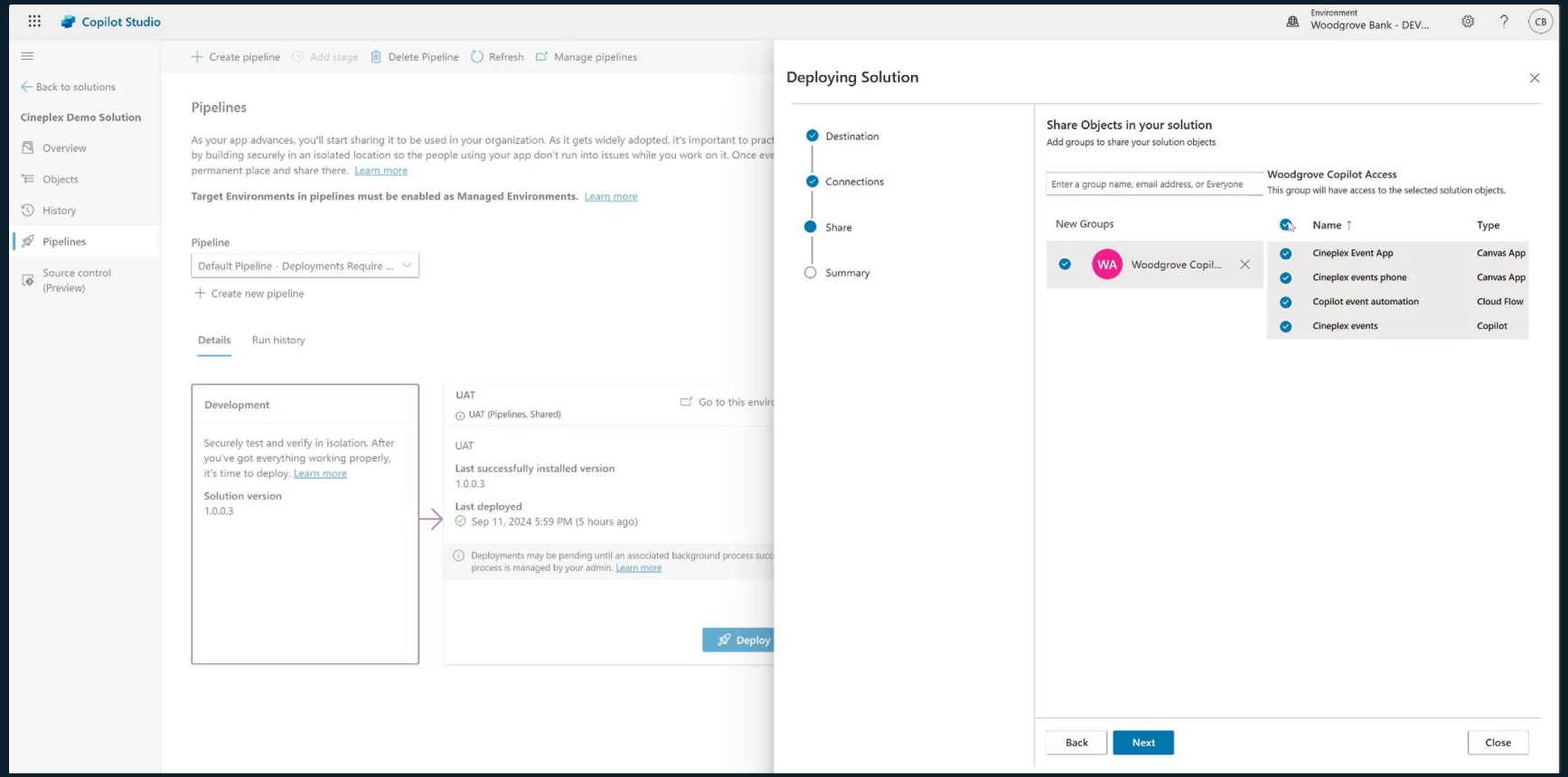


Release securely with **Pipelines** in Power platform

Sharing during deployment

Generally Available

- Securely deploy with service principals
- Makers “request” sharing
- Approve or reject sharing with deployment

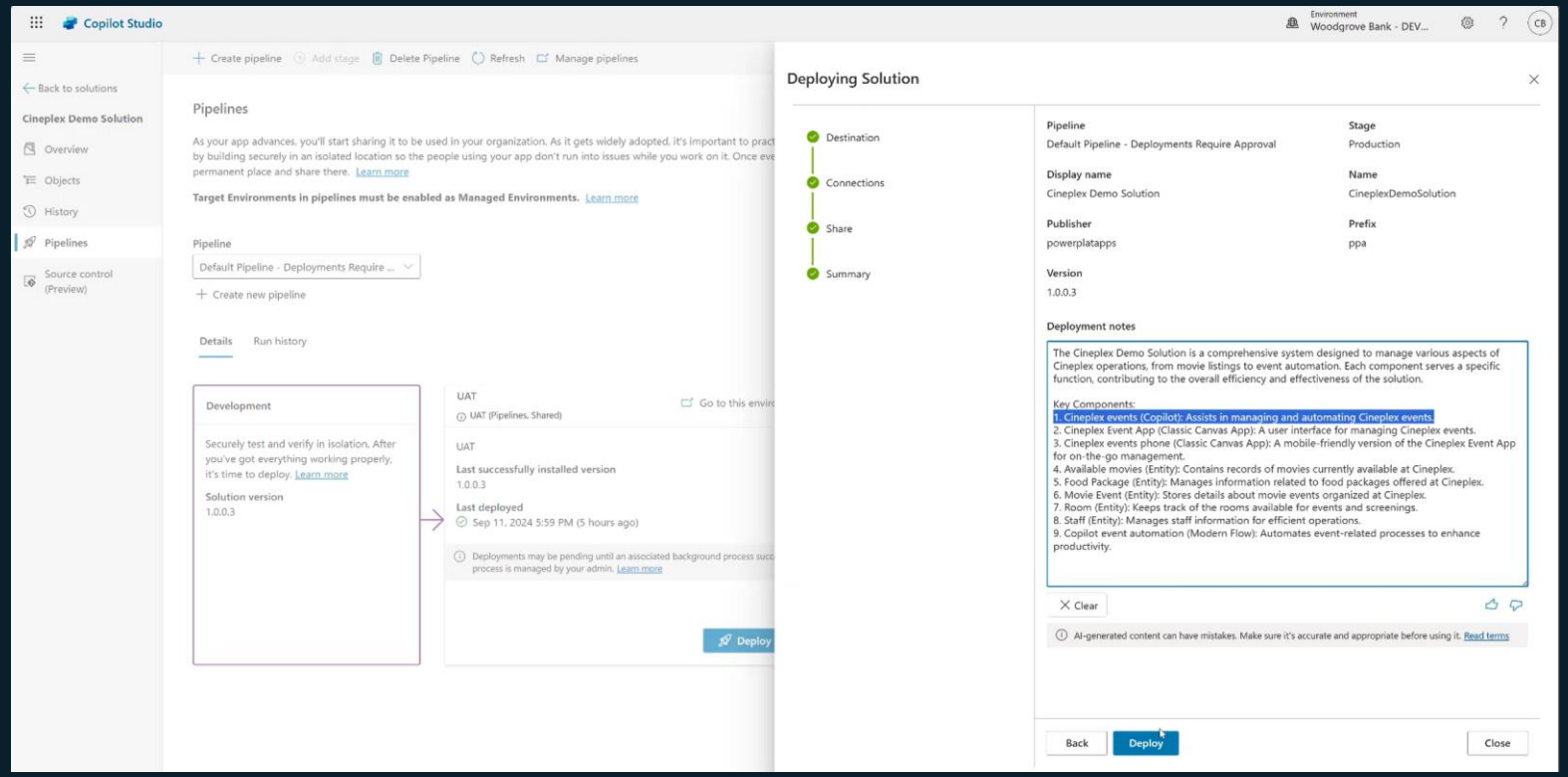


New **Copilots** now supported!

Deployment Notes

Generally Available

- Copilot generates deployment notes for pipeline deployments
- Gives admins insights into every deployed solution with zero effort
- Streamlines approvals

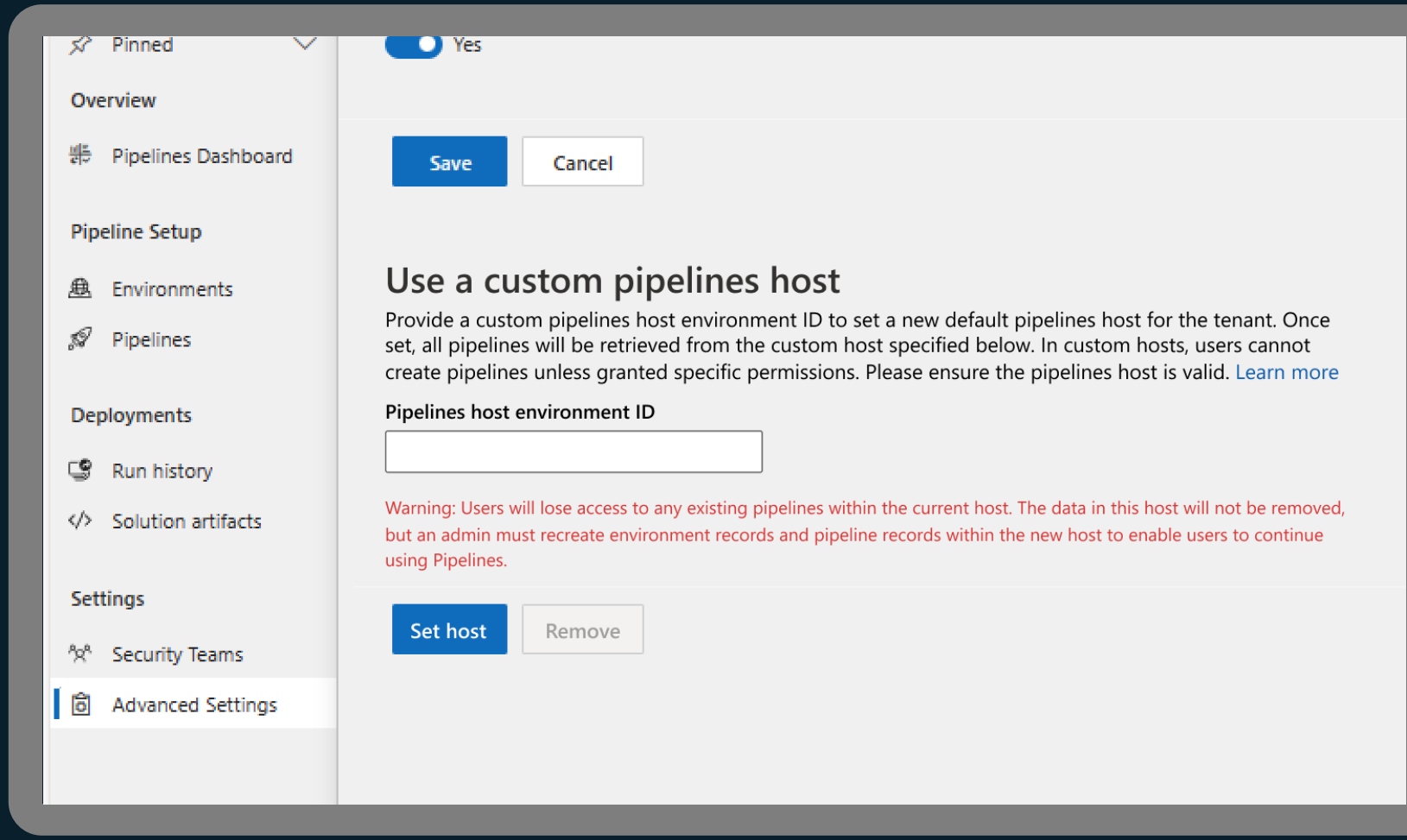


New **Copilots** now included in key components!

Discoverable Custom Host

Coming Soon

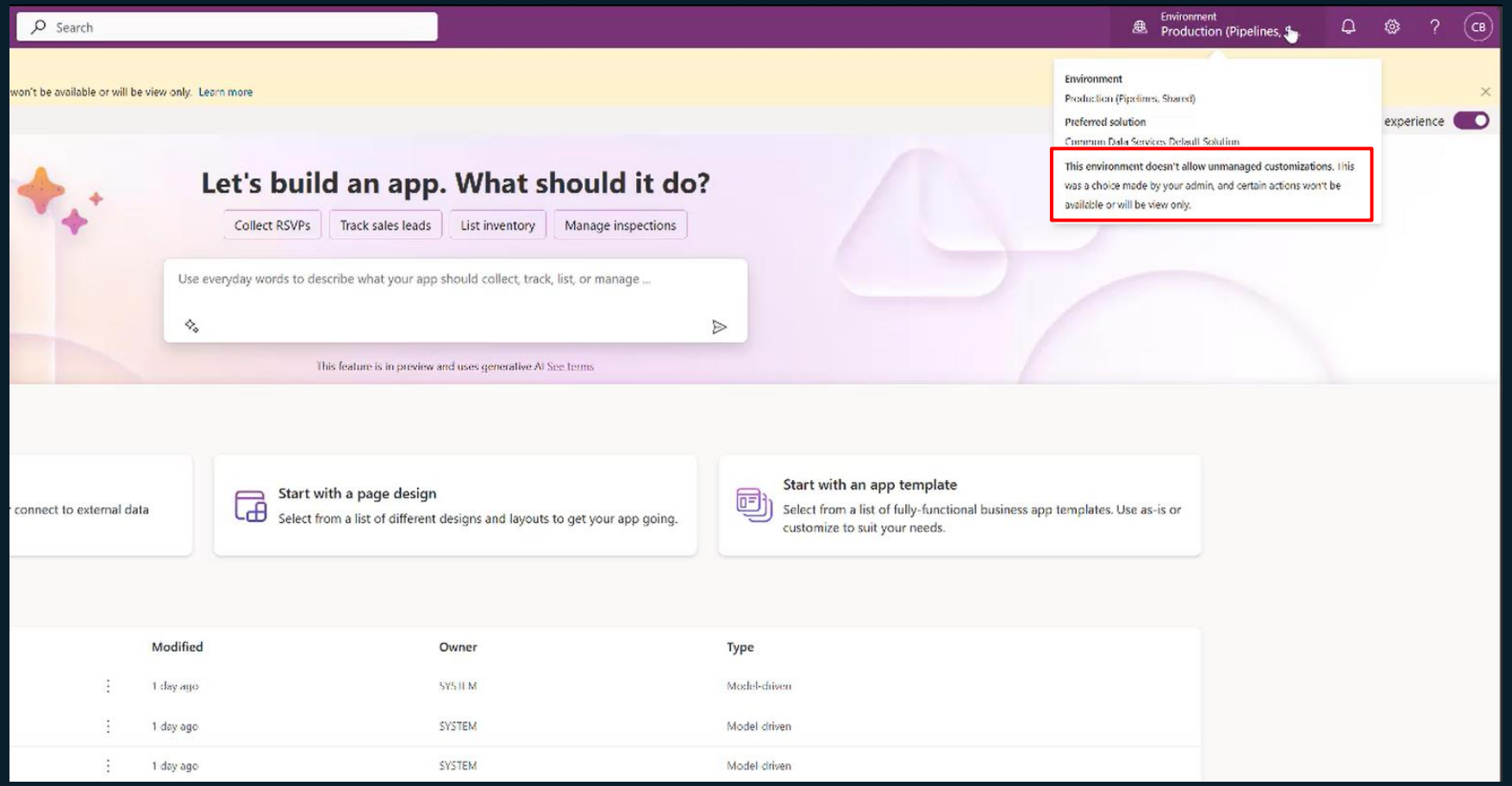
- Makers can self-onboard new dev environments to pipelines they can access
- Admins can share governed pipelines and restrict the creation of personal pipelines
- Centralized management provides better visibility and control with less effort



Block unmanaged customizations

Generally Available

- Block dev-in-prod
- All changes are reviewed, versioned, approved, then deployed



Live Demo

Next Steps

Microsoft

Learn about capabilities presented in this session here

1. Overview of Power Platform Pipelines
2. Pipeline deployment notes
3. Block unmanaged customizations in an environment
4. Deploy pipelines with a service principal

Microsoft confidential

Questions??

Microsoft Power Platform

Thank you

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