Microsoft Dataverse:
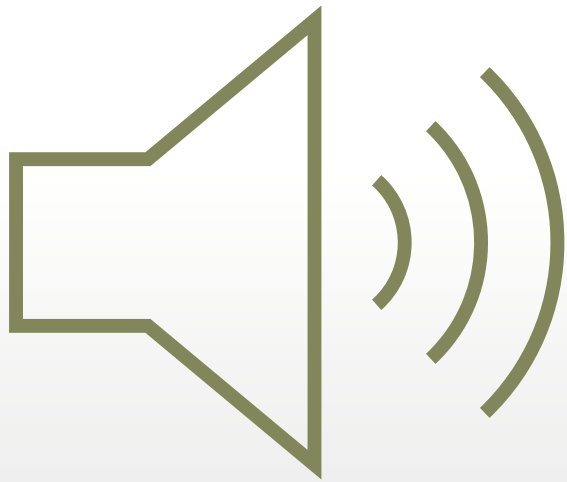
Everything, Everywhere, Here and There

Charles Lakes
Creative Solution Architect

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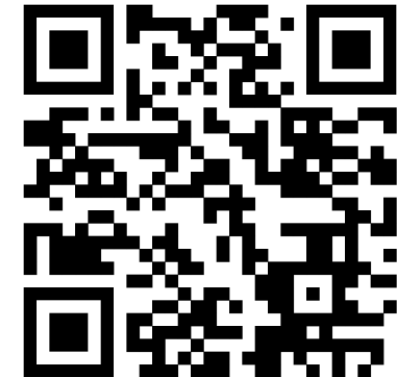
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Join us monthly for more learning.

Third Thursday of every Month right here at this same location.

Meetup

Google

About Me:

Developer

Speaker

Blogger

Middle-child

Objectives:

Learning about low-code.

Learning about storage.

Learning about security.

Learning about governance.

Low-Code

- ❏ Developer Deficit
- ❏ General Purpose
- ❏ Browser UX

Low-Code

☑ Developer Deficit

☐ General Purpose

☐ Browser UX

Low-Code

From Wikipedia, the free encyclopedia

In computer software, a **general-purpose programming language** (**GPL**) is a programming language for building software in a wide variety of application domains. Conversely, a domain-specific programming language (DSL) is used within a specific area. For example, Python is a GPL, while SQL is a DSL for querying relational databases.

☑ Developer Deficit

☑ General Purpose

☐ Browser UX

Low-Code

Visual Studio Code for the Web

✏ Edit

Visual Studio Code for the Web provides a free, zero-install Microsoft Visual Studio Code experience running entirely in your browser, allowing you to quickly and safely browse source code repositories and make lightweight code changes. To get started, go to https://vscode.dev in your browser.

VS Code for the Web has many of the features of VS Code Desktop that you love, including search and syntax highlighting while browsing and editing, along with extension support to work on your codebase and make simpler edits. In addition to opening repositories, forks, and pull requests from source control providers like GitHub and Azure Repos, you can also work with code that is stored on your local machine.

VS Code for the Web runs entirely in your web browser, so there are certain limitations compared to the desktop experience, which you can read more about below.

☑ Developer Deficit

☑ General Purpose

☑ Browser UX

Storage

- ☐ Power BI
- ☐ Power Apps
- ☐ Power Automate
- ☐ Power Pages

Search

Home

Create

Learn

Apps

Tables

Flows

More

Power Platform

+ New table ∨   ←│ Import ∨   │→ Export ∨   ⬡ Analyze ∨

🔍 Search

Tables

📑 Describe the new table	⬛ Create with SharePoint list PREVIEW	📊 Create with Excel or .CSV file	⬛ Start with a blank table

⭐ Recommended   ✏️ Custom   ⊞ All

☰	Table ↑ ∨		Name ∨	Type ∨	Managed ∨	Customized ∨	Customizable ∨	Tags ∨
	Account	⋮	account	Standard	Yes	No	Yes	Core
	Address	⋮	customeraddress	Standard	Yes	No	Yes	Standard
	Appointment	⋮	appointment	Activity	Yes	No	Yes	Productivity
	Attachment	⋮	activitymimeatta...	Standard	Yes	No	Yes	Productivity
	Business Unit	⋮	businessunit	Standard	Yes	No	Yes	Standard
	Contact	⋮	contact	Standard	Yes	No	Yes	Core
	Currency	⋮	transactioncurre...	Standard	Yes	No	Yes	Standard
	Email	⋮	email	Activity	Yes	No	Yes	Productivity
	Email Template	⋮	template	Standard	Yes	No	Yes	Standard

Search

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Power Platform

New table   Import   Export   Analyze

Search

Tables

Describe the new table

Create with SharePoint list   PREVIEW

Create with Excel or .CSV file

Start with a blank table

Recommended   Custom   All

| Table ↑		Name	Type	Managed	Customized	Customizable	Tags
Account	⋮	account	Standard	Yes	No	Yes	Core
Address	⋮	customeraddress	Standard	Yes	No	Yes	Standard
Appointment	⋮	appointment	Activity	Yes	No	Yes	Productivity
Atta...nt	⋮	activitymimeatta...	Standard	Yes	No	Yes	Productivity
Busi...nit	⋮	businessunit	Standard	Yes	No	Yes	Standard
Contact	⋮	contact	Standard	Yes	No	Yes	Core
Currency	⋮	transactioncurre...	Standard	Yes	No	Yes	Standard
Email	⋮	email	Activity	Yes	No	Yes	Productivity
Email Template	⋮	template	Standard	Yes	No	Yes	Standard

Search

+ New table ⌄   ←| Import ⌄ |→ Export ⌄   ⊘ Analyze ⌄

Search

Tables

+ New ⌄   ✏ Edit | ⌄   ⊞ Create an app   ⊞ Using this table   ←| Import ⌄   →| Export ⌄   ⚒ Advanced ⌄   🗑 Delete

table

Tables > **Appointment**

Table properties   ⚙ Properties   💼 ⌄

Name	**Primary column**
Appointment	Subject
Type	**Last modified**
Activity	2 years ago

Schema ⓘ

🔤 Columns

🔗 Relationships

🔍 Keys

Data experiences ⓘ

▤ Forms

▭ Views

📈 Charts

⊞ Dashboards

Customizations ⓘ

⅃₀ Business rules

▱ Commands

💬 Messages

⊞ Appointment columns and data   ⚡ Update forms and views   ✏ Edit | ⌄

ity

ity

🔤 **Subject** * ↑ ⌄   ⊞ **Regarding** ⌄   🔤 **Location** ⌄   ⊟ **Priori**   +58 more ⌄   +

Enter text	Select lookup	Enter text	Select opti

|							
Currency	⋮	transactioncurre...	Standard	Yes	No	Yes	Standard
Email	⋮	email	Activity	Yes	No	Yes	Productivity
Email Template	⋮	template	Standard	Yes	No	Yes	Standard

Storage

Power BI

Uncover powerful insights and turn them into impact

Connect to and visualize any data, and seamlessly infuse visuals into the apps you use every day.

☑ Power BI
☐ Power Apps
☐ Power Automate
☐ Power Pages

Storage

Revenue Won and Close [%] by Year Month
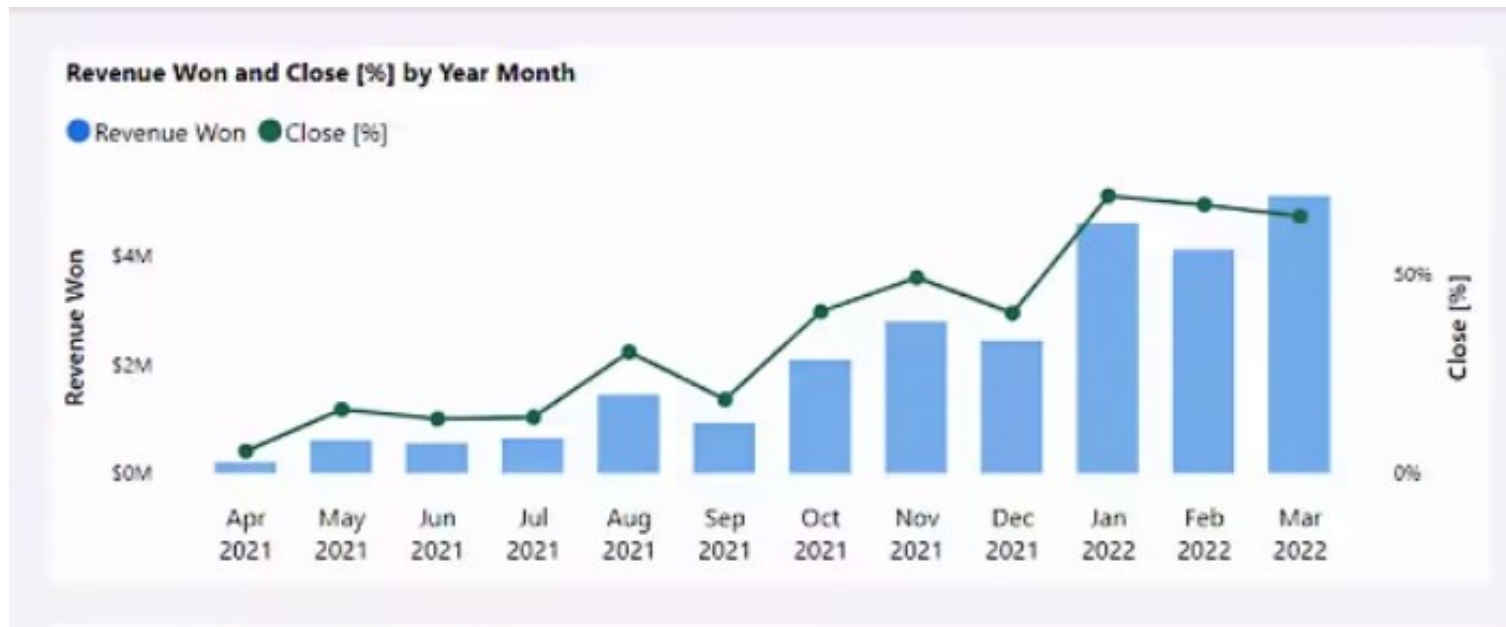
☑ Power BI

👆 Power Apps

☐ Power Automate

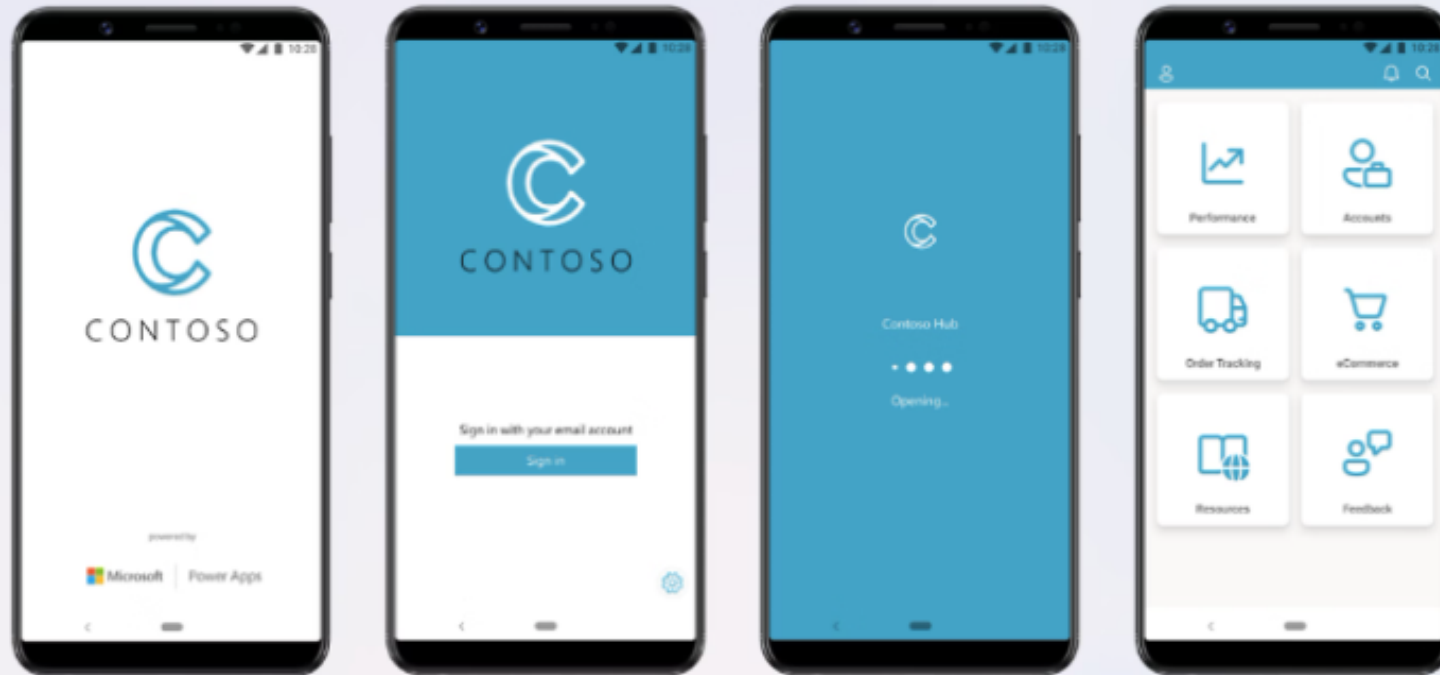☐ Power Pages

Storage

Power Apps

Deliver apps embedded with AI to modernize your legacy applications and systems fast.

Start from a table, a sketch, a sentence, or your own code and build solutions your way.

☑ Power BI

☑ Power Apps

☐ Power Automate
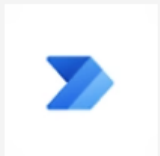
☐ Power Pages

Storage

- ☑ Power BI
- ☑ Power Apps
- ☐ Power Automate
- ☐ Power Pages
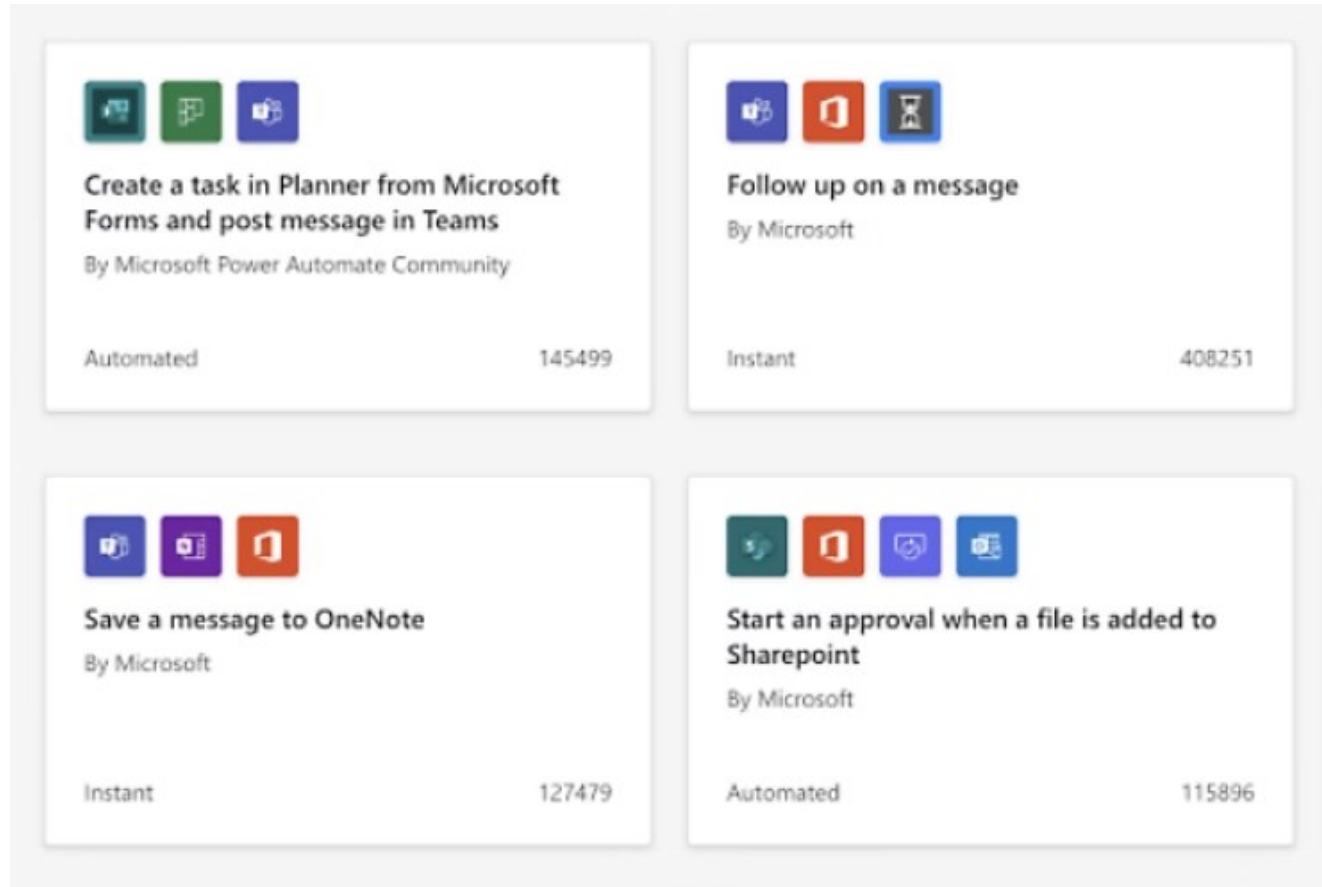
Storage

Power Automate

A comprehensive, end-to-end cloud automation platform powered by low code and AI.

Streamline processes across your organization to save time and focus on what's important.

☑ Power BI

☑ Power Apps

☑ Power Automate

☐ Power Pages

Storage

☑ Power BI

☑ Power Apps

☑ Power Automate

☐ Power Pages

Storage

Power Pages
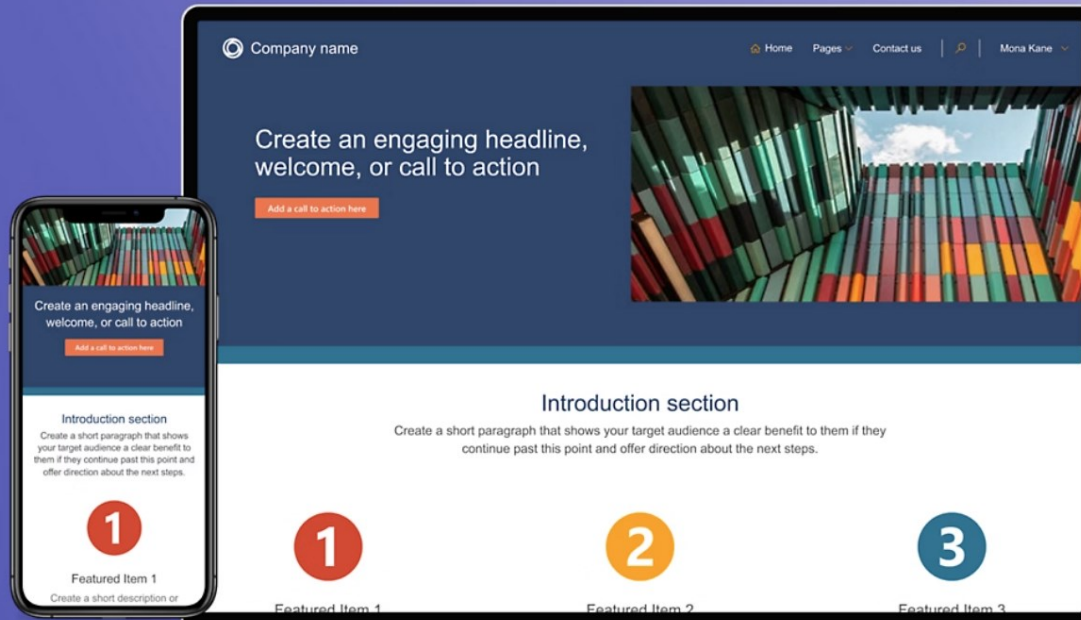
Quickly create secure, low-code business websites.

Enable all teams to create data-driven websites faster, at a lower cost.

☑ Power BI

☑ Power Apps

☑ Power Automate

☑ Power Pages

Storage

- ☑ Power BI
- ☑ Power Apps
- ☑ Power Automate
- ☑ Power Pages

Security

- ❑ Environments
- ❑ Entra ID
- ❑ Security Roles
- ❑ Geo Regions

Security

New environment ✕

ⓘ This operation is subject to [capacity constraints](#)

Name *

| Choose a name |

Region *

| United States - Default ⌄ |

A local region can provide quicker data access

☑ Environments
☐ Entra ID
☐ Security Roles
☐ Geo Regions

Security

Microsoft Power Platform is cloud-based software as a service (SaaS) solution that is available from within a Microsoft Entra ID tenant. Microsoft Power Platform is licensed through Microsoft 365 and secured by Microsoft Entra ID. Microsoft Power Platform runs on Microsoft Azure; therefore, it's highly scalable and available globally.

- ☑ Environments
- ☑ Entra ID
- ☐ Security Roles
- ☐ Geo Regions

Security

Role ↑		Business unit	Managed
AIB Roles	...	orgda13f916	Yes
AIB SML Roles	...	orgda13f916	Yes
App Deployment Orchestration Role	...	orgda13f916	Yes
App Opener	...	orgda13f916	Yes
Async ingestion	...	orgda13f916	Yes
Basic User	...	orgda13f916	Yes
BizQAApp	...	orgda13f916	Yes
Bot Author	...	orgda13f916	Yes
Bot Contributor	...	orgda13f916	Yes
Bot Transcript Viewer	...	orgda13f916	Yes
Bulk Archival Role	...	orgda13f916	Yes
BusinessApplicationPlatformRole	...	orgda13f916	Yes

☑ Environments

☑ Entra ID

☑ Security Roles

Geo Regions

Security

- ☑ Environments
- ☑ Entra ID
- ☑ Security Roles
- ☑ Geo Regions

Governance

- ❑ Auditing
- ❑ Application Lifecycle Management
- ❑ Data Loss Prevention

Governance

Auditing

Manage logging for Dataverse data

- [ ] Start Auditing
- [ ] Log access ⓘ
- [ ] Read logs ⓘ

Retain these logs for

Set the retention policy for these logs, after which they'll be deleted.
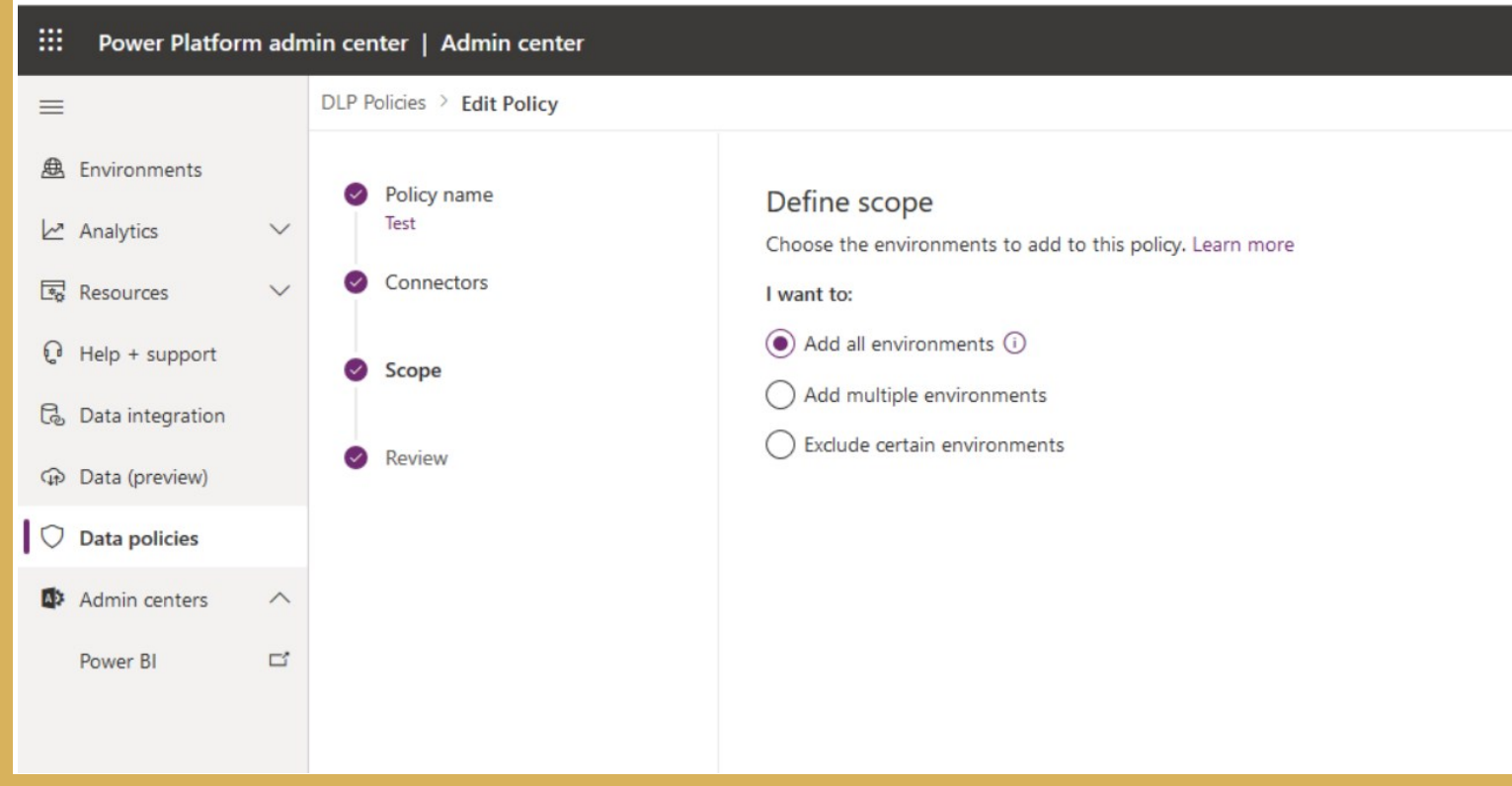
Forever	⌄
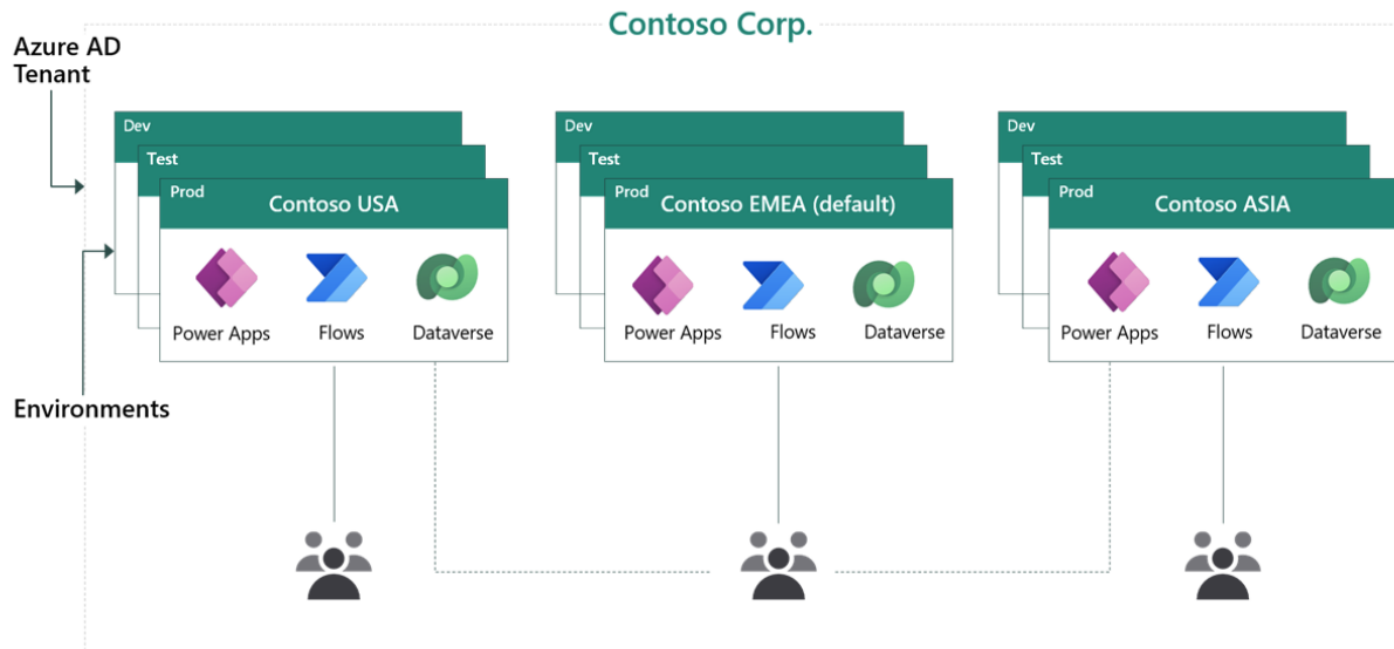
- [x] Auditing
- [ ] Application Lifecycle Management
- [ ] Data Loss Prevention

Governance

- ☑ Auditing
- ☑ Application Lifecycle Management
- ☐ Data Loss Prevention

Recap:

Low-code is. . .

Storage is. . .

Security is. . .

Governance is. . .

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github.com/losodamus

@The2Lakes

Feedback: