

Power Pages Onboarding and Authentication - Secure and Simple

April 26, 2024

2:10 - 3:00 PM EDT



BIZAPPS PALOOZA 2024
#bizappspalooza

Peter Carson



- President, Envision IT and Extranet User Manager
- 13-time M365 Microsoft MVP
- President, Toronto Microsoft 365 User Group
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- Enterprise Platform Architect, Takeda
- Expert in Microsoft Power Platform, SharePoint, Dynamics, software development
- Self-proclaimed “World’s Laziest Developer”
- <https://www.takeda.com/>
- <https://tahoeninja.blog/>
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GOLD



SILVER



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Shout Outs

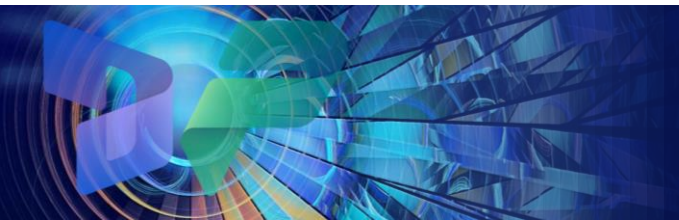
Share your experience with your peers through social media. Make sure to tag one of the following to enter a raffle as a social media trailblazer

#bizappspalooza

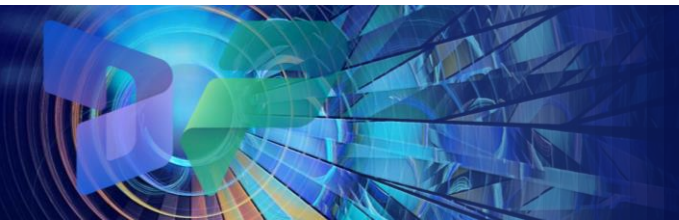


Agenda

- Power Pages Overview
- Identity Providers
- Power Pages Identity Scenarios
- Microsoft 365 Integration
- Demos
- Q&A



Power Pages Overview



Microsoft Power Platform

The world's most complete set of integrated, low code development platform



Power BI

Business analytics



Power Apps

Application development



Power Pages

Website development



Power Automate

Workflow automation



Copilot Studio

Intelligent virtual agents



Data Connectors

To 900+ data sources



Microsoft Dataverse

Build-In Data Platform



Managed Environments

Governance @ scale



Microsoft Power Pages

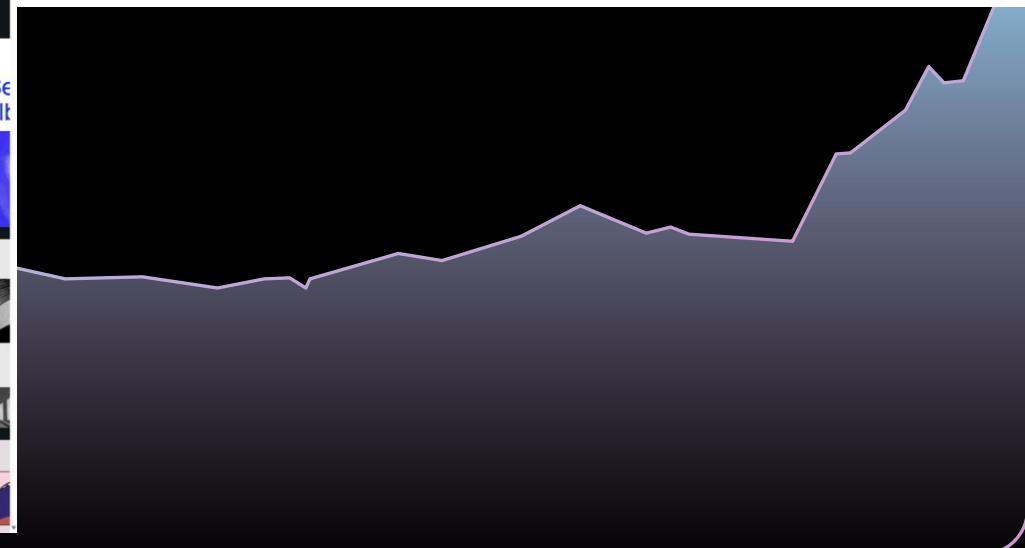
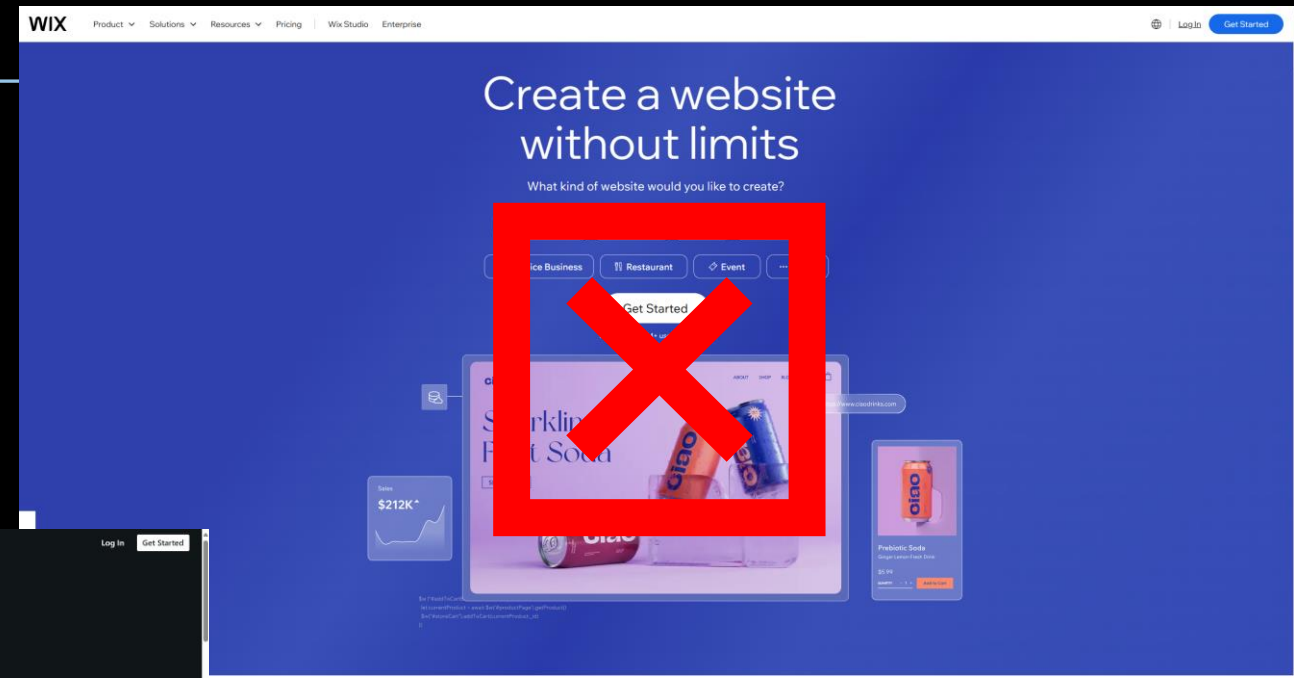
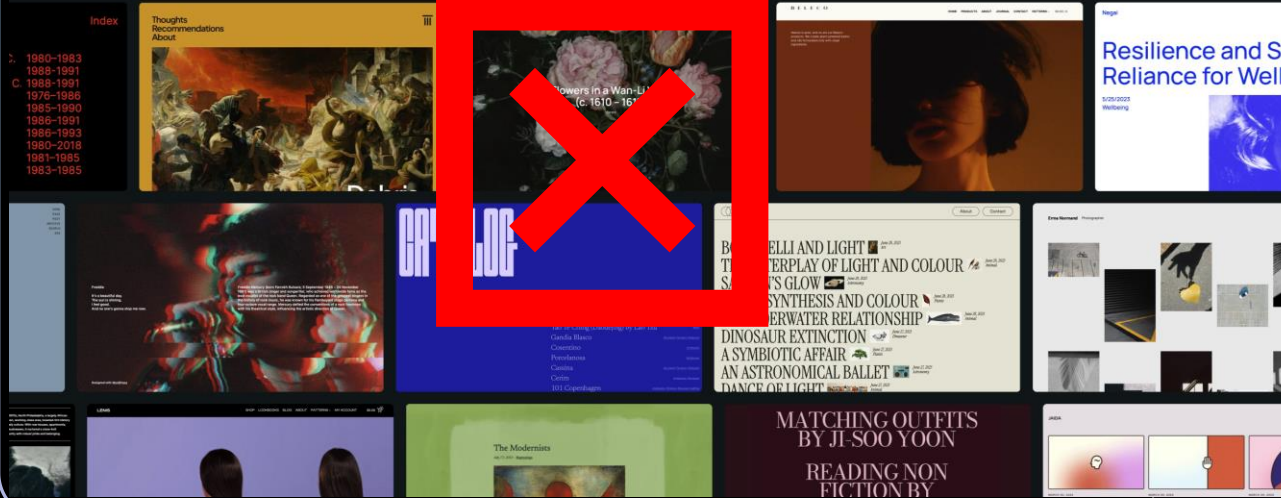
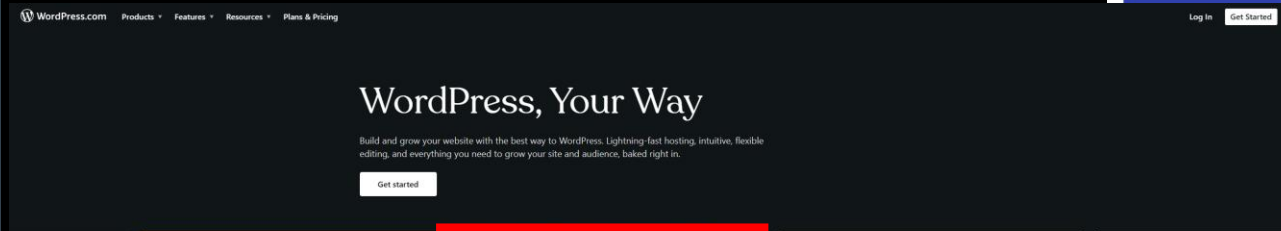
Enterprise-grade low-code
website development

Generally available since in Oct 2022

Types of websites



Citizen self-services



The next generation of applications
will be built by everyone



~~Teach everyone~~
~~to code~~

~~Teach everyone~~
~~to code~~

Reach everyone
with low code

Single website building platform that brings together people with different skillset for increased creativity, productivity and collaboration



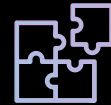


What makes Power Pages compelling?



Collaboration

Optimized for fusion team collaboration and productivity – no code to low code to pro code



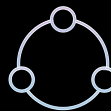
Data

Securely collect and share business data outside your tenant and integrate with existing line of businesses and 3P services



Security

Most reliable, secure enterprise-grade web hosting platform available across sovereign and commercial geos



One platform

Enable end-to-end innovation with other offerings within Power Platform


- Home
- Templates
- Learn
- Solutions
- Power Platform




Welcome, SharePoint!

Create modern, secure business websites

Ways to create a site

 **Start with a template**
 Select from a gallery of premade site templates to get your site going.

 **Start from blank**
 Start from a blank site that you can customize to suit your needs.

Active sites Inactive sites

There are no sites in this environment

To start designing one now, choose **Create a site.**

<https://make.powerpages.com>


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Pages + Page

Main navigation

- Home
- Pages
- Contact us


Other pages


- Access Denied
- Default Offline Page
- Page Not Found

Edit code Search Share


SECTION

 **Company name**

Home | Pages ▾ | Contact us |  | John Doe ▾

Create an engaging headline, welcome, or call to action

Add a call to action here



Introduction section

Create a short paragraph that shows your target audience a clear benefit to them if they continue past this point and offer direction about the next steps










Pages + Page

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Pages + Page

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National Super Hero Registry Home | Pages | Contact us | John Doe

Not all heroes wear capes

But they all need to register



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Pages + Page

Main navigation

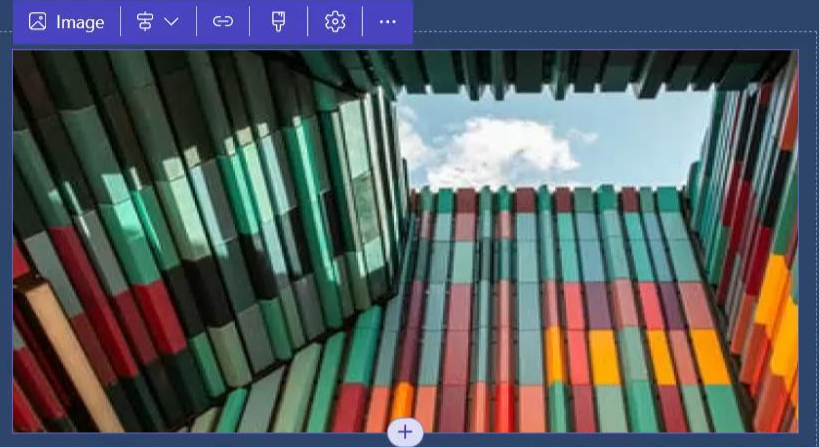
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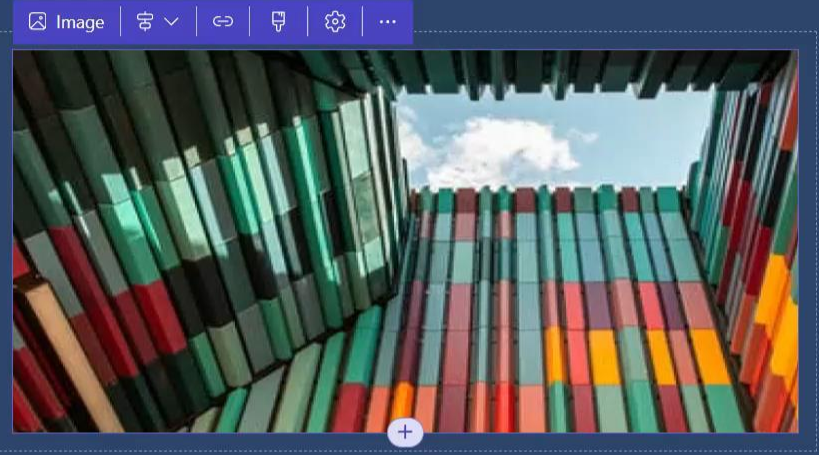
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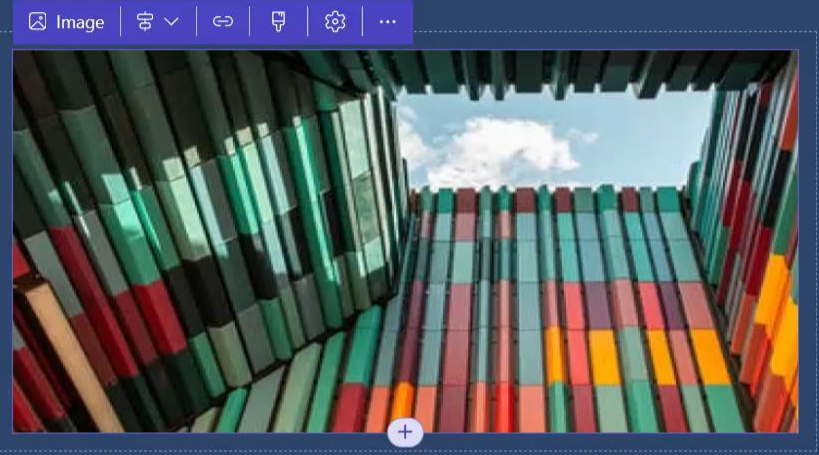
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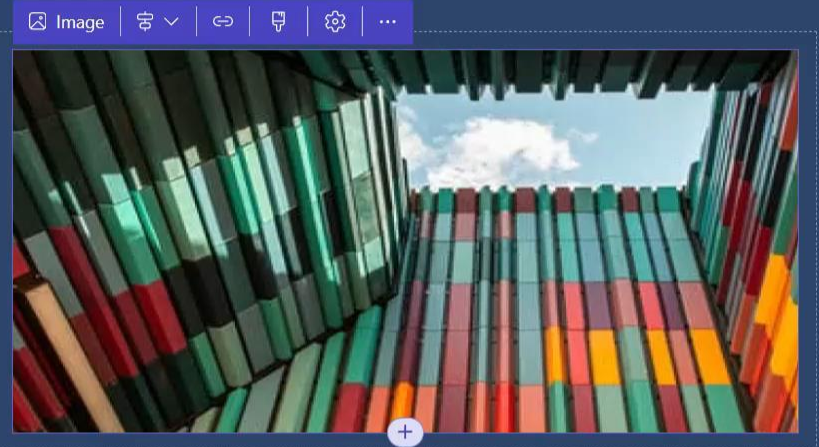
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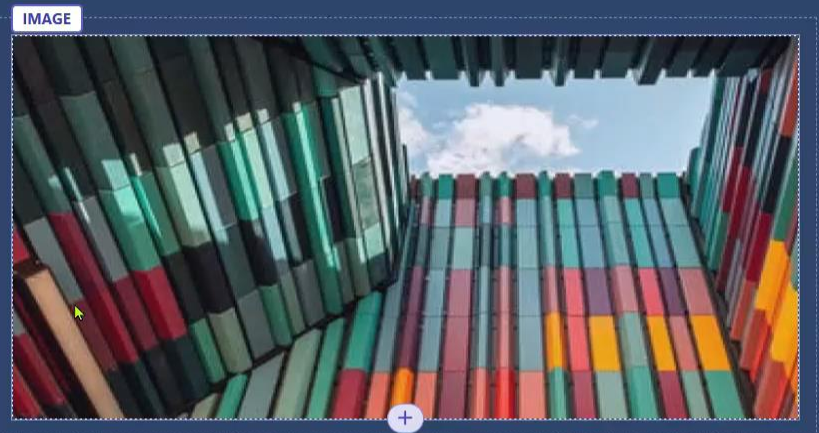
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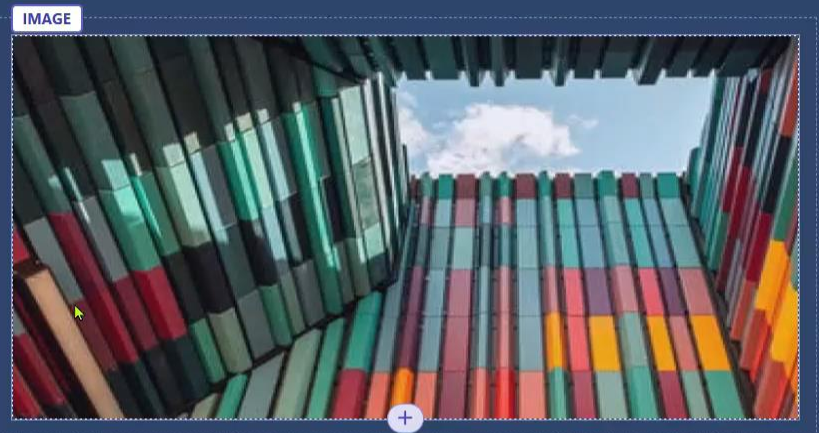
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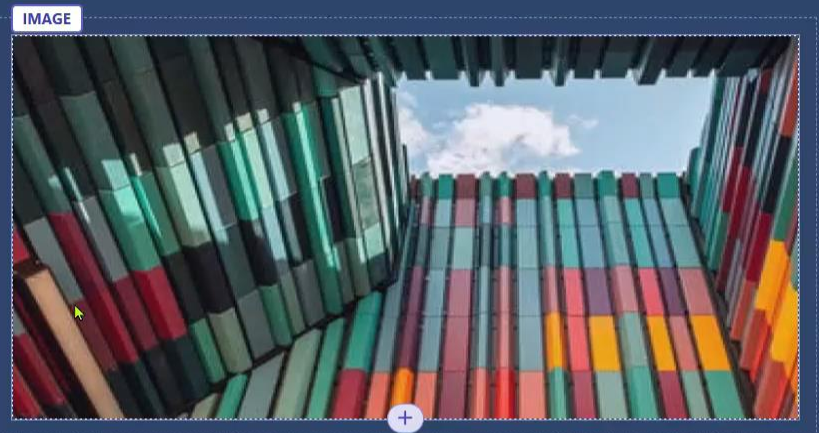
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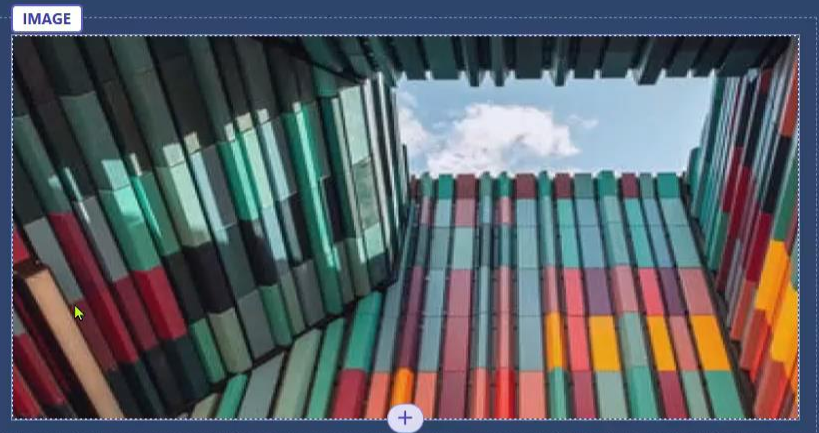
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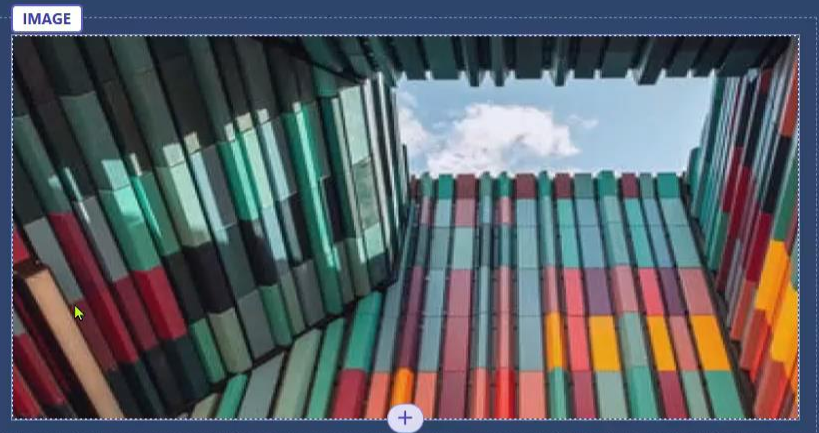
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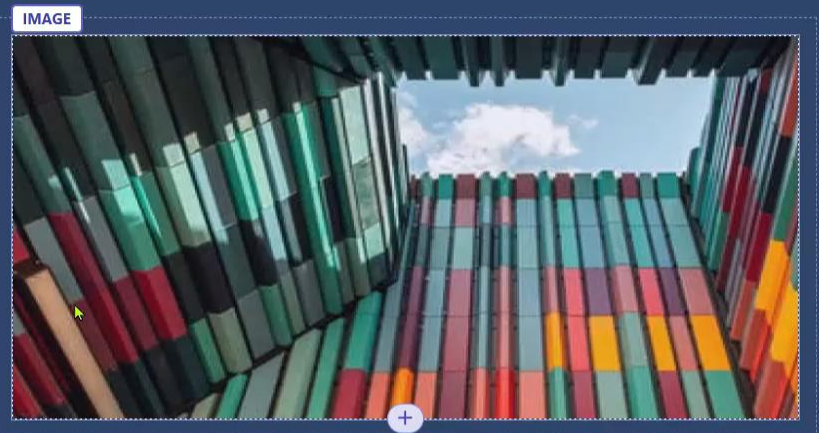
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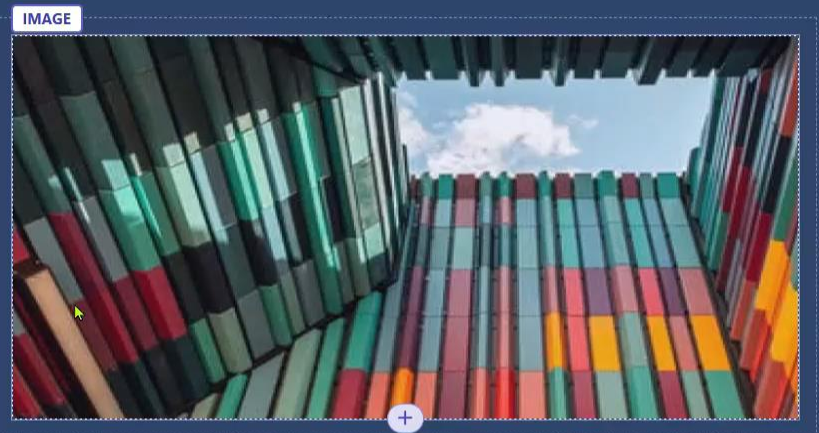
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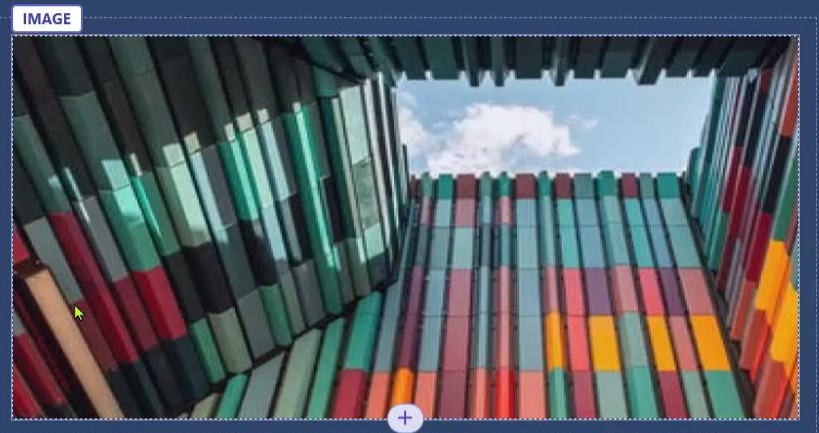
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- Pages
- Styling
- Data
- Set up
- ...

Pages + Page


Main navigation

- Home
- Registrants
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Edit code  

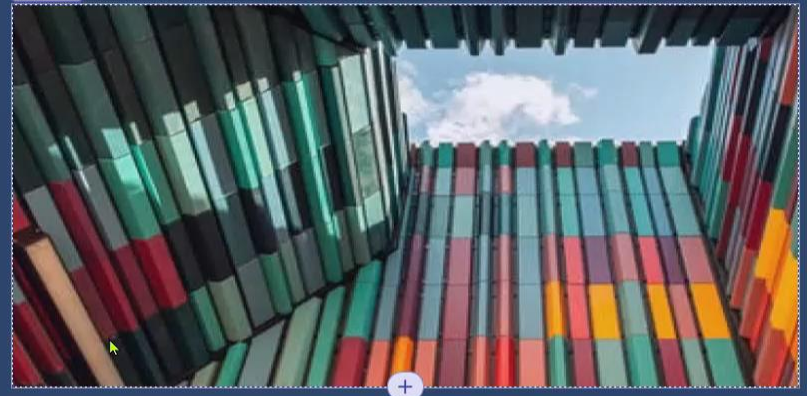
National Super Hero Registry

Home | Registrants | Contact us |  | John Doe

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IMAGE



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Set up

General

- Site details
- Go-live checklist

Authentication

- Identity providers

Security

- Table permissions**
- Site visibility



Mobile

- Progressive web application

Integrations

- Add copilot (preview)
- Cloud flows
- External apps (preview)

Table permissions

[+ New permission](#) Default  | Search 

Name	Status	Table	Access Type	Roles	Relationship	Read	Update	Create	Delete	Append	Append to
Feedback	...	Feedback	Global access	Anonymous Users +2 more	--	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Hero Entry	...	Super Hero Registration	Contact access	Authenticated Users	cr804_superheroregistration...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View My Own Contact	...	Contact	Self access	Authenticated Users	--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Super Hero Entry	⋮ Active	Super Hero Registration	Contact access	Authenticated Users	cr804_superheroregistration...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View My Own Contact	⋮ Active	Contact	Self access	Authenticated Users	--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Pages + Page

Main navigation

- Home
- Registrants
- Subpage 1
- Subpage 2
- Contact us

Other pages

- Access Denied
- Default Offline Page
- Page Not Found

Edit background | Layout | Settings

+ ADD A SECTION

My Registrations

This page can be customized by adding new sections and components.

+ ADD A SECTION

My Super Hero Registrations

Super Hero Name	Secret Identity	Powers	Weaknesses
This is an example of a single line of text	This is a sample result	This is an example of a single line of text	This is an example of a single line of text
This is an example of a single line of text	This is a sample result	This is an example of a single line of text	This is an example of a single line of text
This is an example of a single line of text	This is a sample result	This is an example of a single line of text	This is an example of a single line of text
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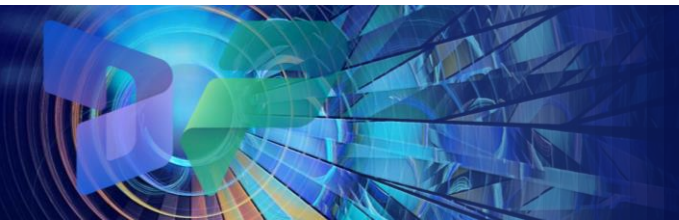
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Power Pages Authentication and Authorization



Authentication



Confirms users are who they say they are

Authorization



Validates users have permission to complete the attempted action

[Understanding the essentials of identity and access management \(IAM\) | Microsoft Entra Identity Platform](#)

Bad: Password

Good: Password
and...

Better: Password
and...

Best: Passwordless

123456

qwerty

password

iloveyou

Password1



SMS



Voice



Authenticator
(Push Notifications)



Software
Tokens OTP



Hardware Tokens OTP
(Preview)



Authenticator
(Phone Sign-in)



Window
Hello

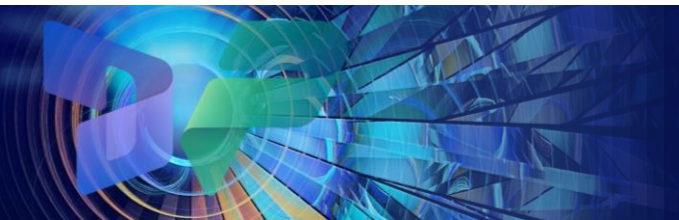


FIDO2 security key



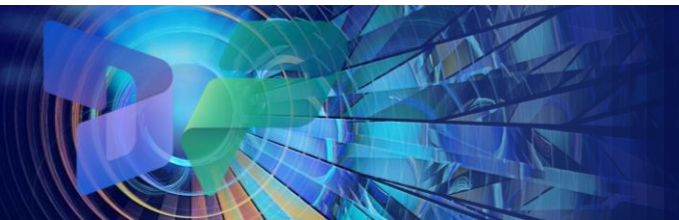
Certificates

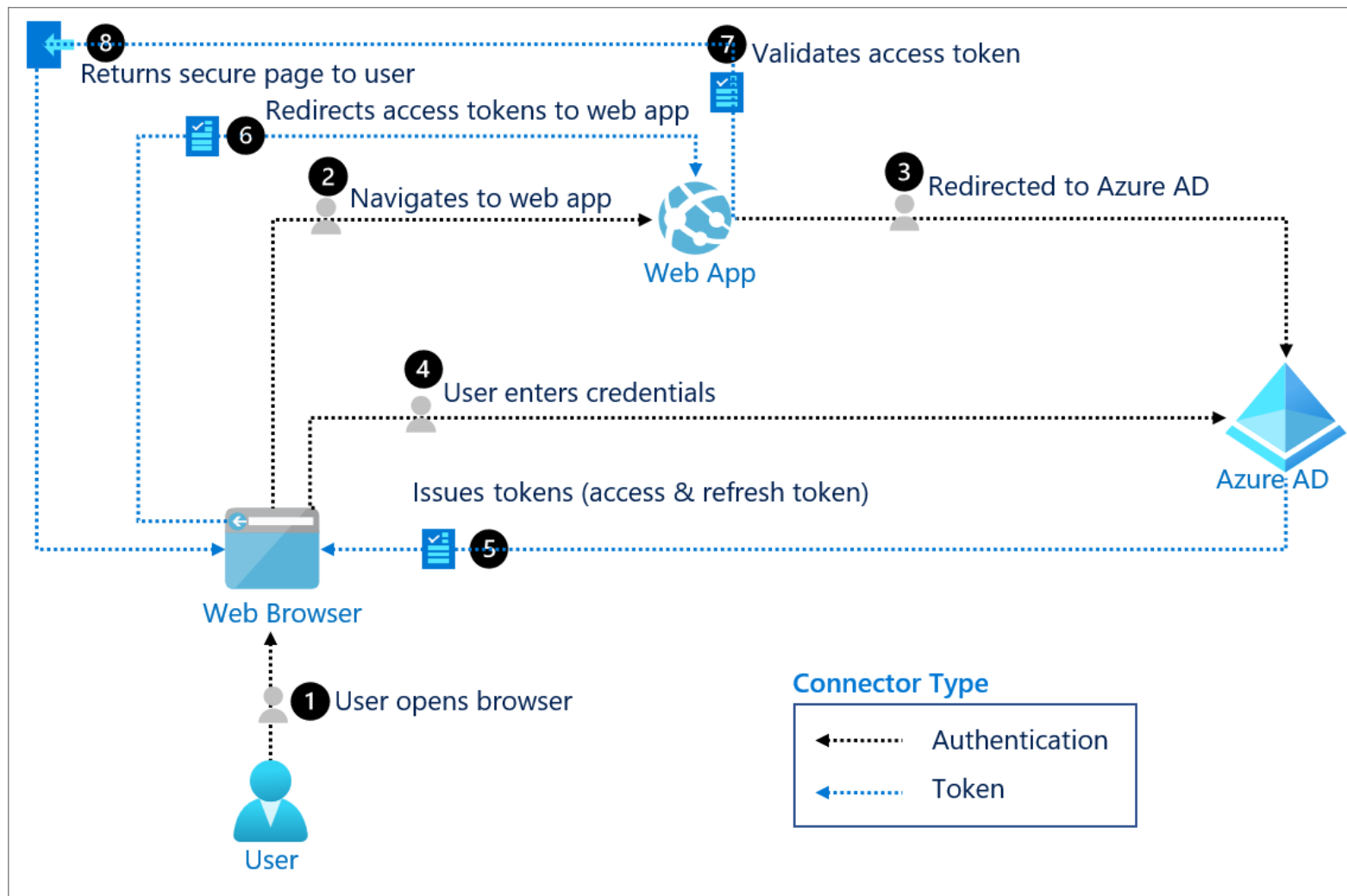
[Authentication methods and features - Microsoft Entra ID | Microsoft Learn](#)



SSO and Federation

- Your Power Pages app doesn't manage authentication
- You federate with an Identity Provider (IdP)
 - Entra ID B2C or B2B
 - LinkedIn
 - Google
 - Facebook
 - Okta
 - ...





[OAuth 2.0 authorization with Microsoft Entra ID - Microsoft Entra | Microsoft Learn](#)

Work

Identity providers | Set up | Power Pages

https://make.powerpages.microsoft.com/e/3b0f8f8e-1dd0-e8b9-94c6-26d93de35500/sites/0d269a4b-b50b-4925-bb21-013d4270ee0d/setup/identity-providers

Power Pages

Environment PowerPagesDeveloper...

Entra ID B2B - Private - Saved

Preview Sync

Set up

- Pages
- Styling
- Data
- Set up
- Authentication
 - Identity providers
- Security
 - Table permissions
 - Site visibility
- Mobile
 - Progressive web application
- Integrations
 - Add copilot (preview)
 - Cloud flows
 - External apps (preview)

Identity providers

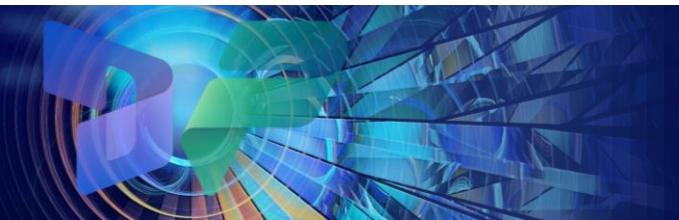
+ New provider Authentication settings

Search

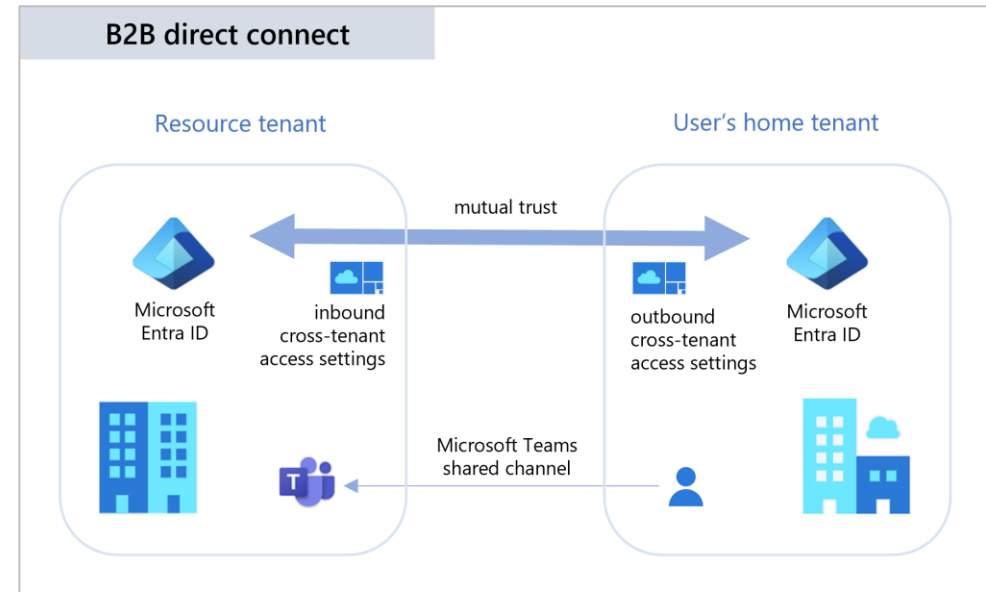
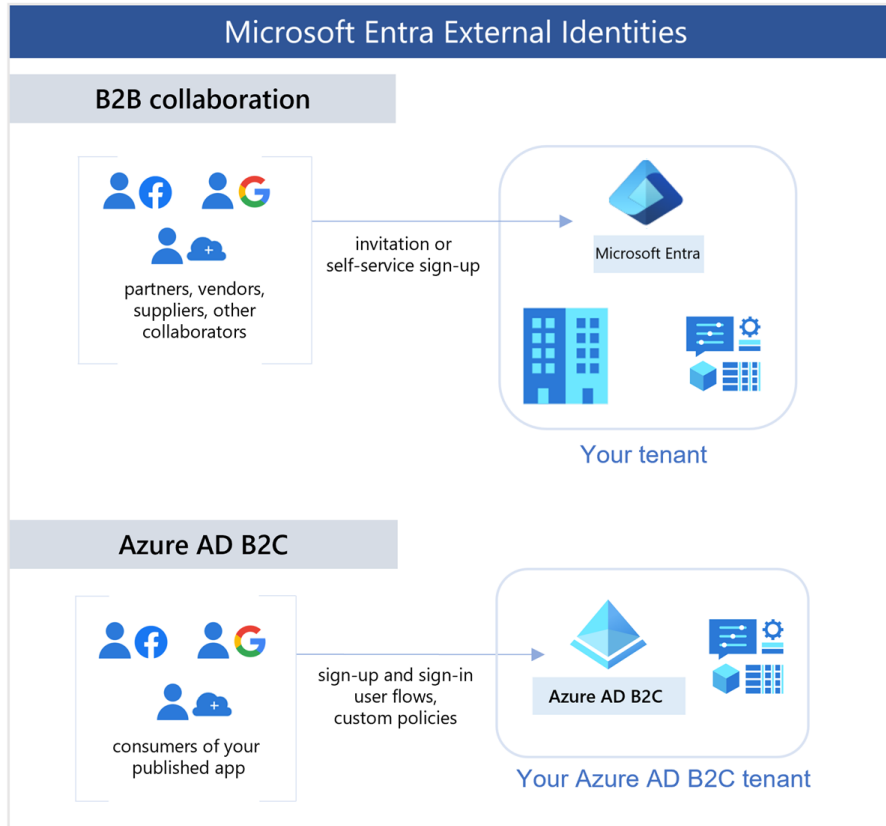
Name	Provider	Status
Local sign in	Local sign in	Disabled
Azure Active Directory (Default)	Azure Active Directory	Enabled
Azure Active Directory B2C	Azure Active Directory B2C	Configure
Facebook	Facebook	Configure
LinkedIn	LinkedIn	Configure
Google	Google	Configure
Twitter	Twitter	Configure
Microsoft	Microsoft	Configure



Local Membership Screenshot

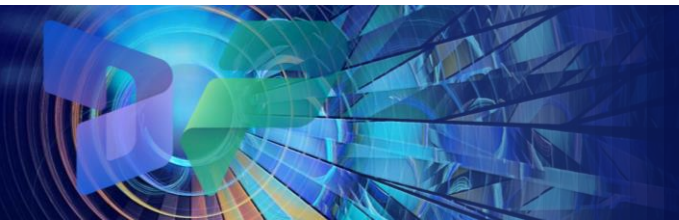


Entra ID External Identities

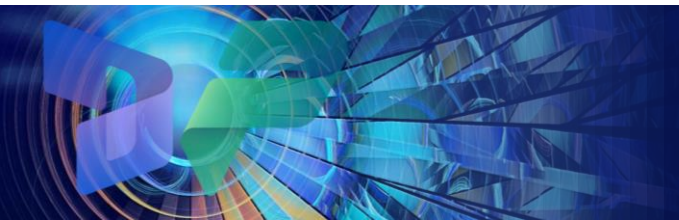


[Microsoft Entra External ID overview - Microsoft Entra External ID | Microsoft Learn](#)

Azure AD B2C Screenshot

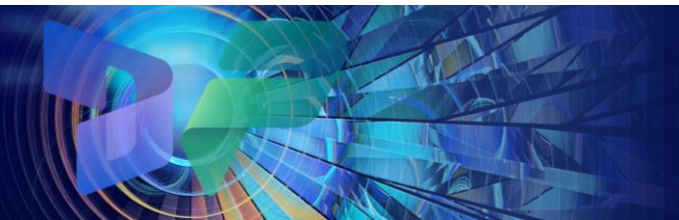


Entra ID B2B

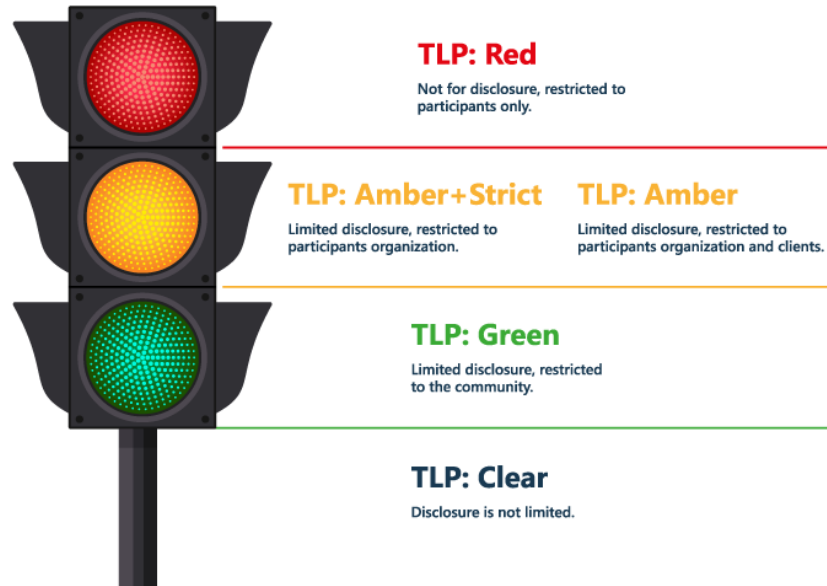


Entra ID B2B Scenarios

- Delegated permissions
 - Accessing systems in the context of the signed in user
- SharePoint document libraries or lists
- Custom APIs
- Secure Logic App Workflows



SharePoint Document Access

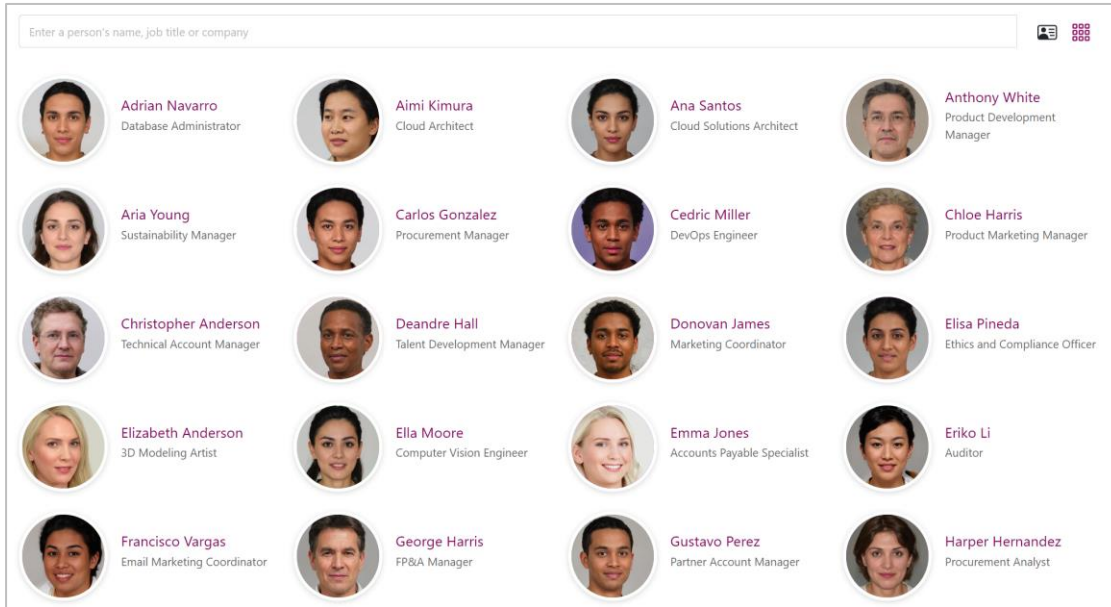


- SharePoint, Purview, and Entra ID is a powerful combination
- Information Protection
 - MFA
 - Conditional Access
 - Authentication Context
 - Document encryption

The Traffic Light Protocol

Simplifying Sensitivity Labels in Microsoft 365 | Envision IT

Custom API – Azure AI Search



- Azure AI Search populated from Entra ID
- Augmented with additional user profile data
- API security trimmed
 - Show only members signed in user should see
- Render with Knockout

Secure Logic Apps

The screenshot shows a web application interface for an "Extranet Portal". The user is logged in as Peter Carson, President of Envision IT. The page displays a profile summary with a photo and name, followed by a "Personal Information" section with input fields for first and last name, email, and mobile phone. Below that is an "About Me" section with a text area containing a bio. The "Address Information" section includes fields for address, region (Ontario), country (Canada), and postal code (L5N 2V7). The "Additional Information" section has fields for job title (President) and company name (Envision IT). The "Social Profiles" section includes fields for company website URL (https://www.extranetusermanager.com) and blog URL (https://blog.petercarson.ca). On the right side, there is a "On this page" sidebar with links to Profile Picture, Personal Information, Address Information, About Me, Additional Information, and Social Profiles. At the top right, there are navigation links for Home and Test Ride, along with a search icon and a user profile icon.

- Profile page for signed in user
- GET and POST Logic Apps to retrieve and update profile info
- Can update multiple systems
 - Dataverse
 - Entra ID
- Logic App requires bearer token from Entra ID to call
 - Secure validation of the signed in user

Speaker Evaluations

Please complete an evaluation for each session you are attending. This will help us in providing our speakers with valuable feedback. You will also increase your chances of winning a raffle prize

