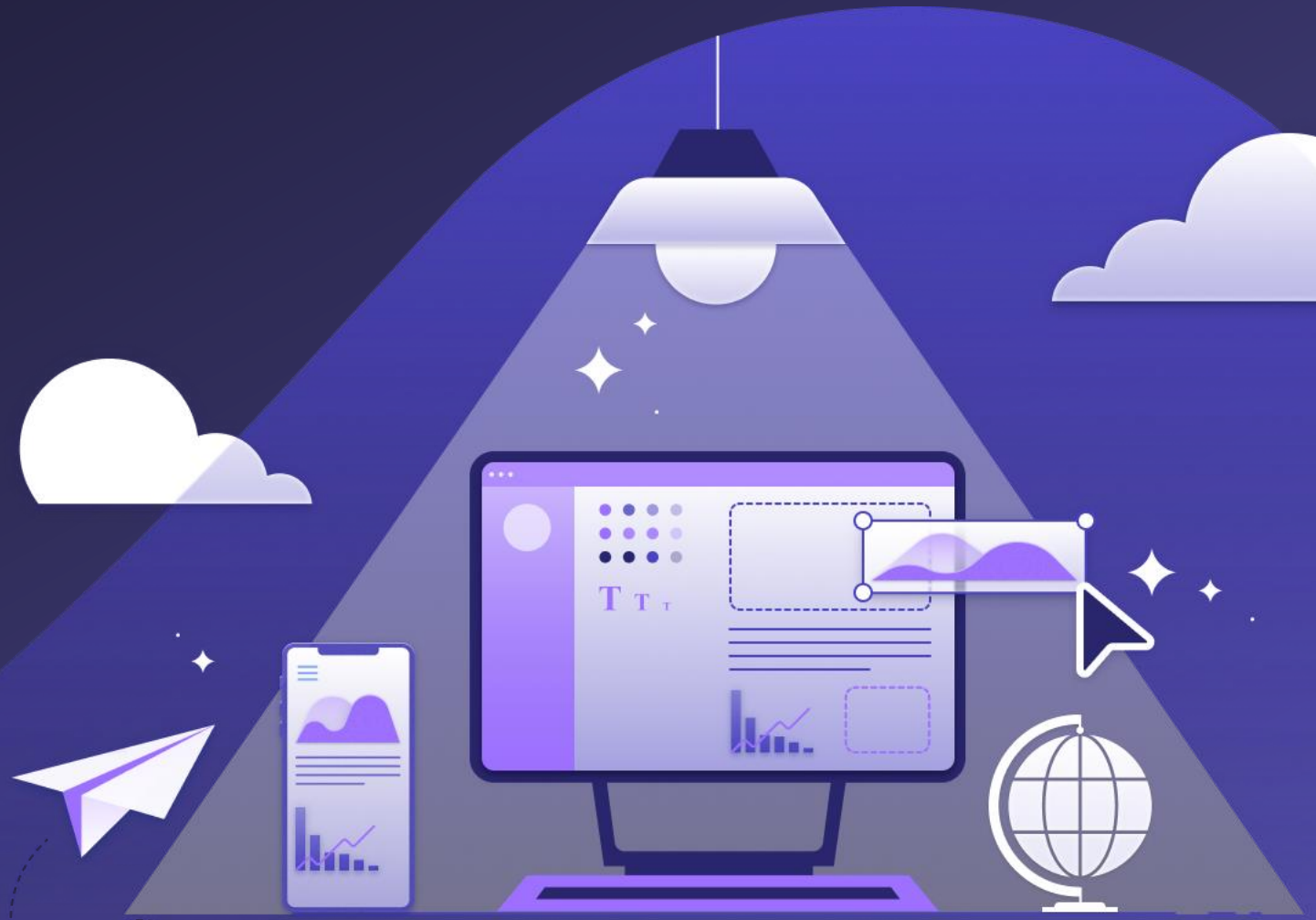
Microsoft Power Platform

Power Pages



Jinyu Xu | GPS CSA

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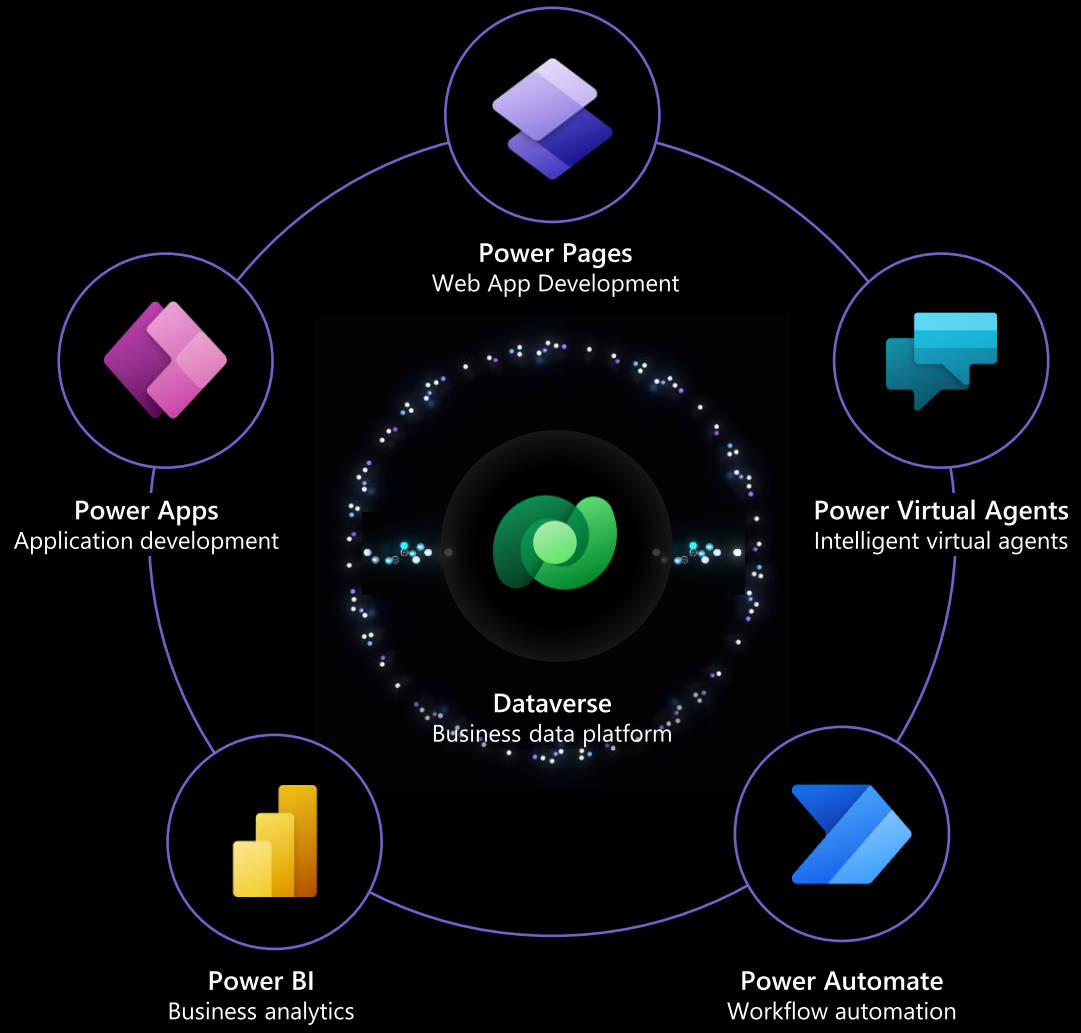
Microsoft Power Platform

No code, low code, and code first—all are welcome

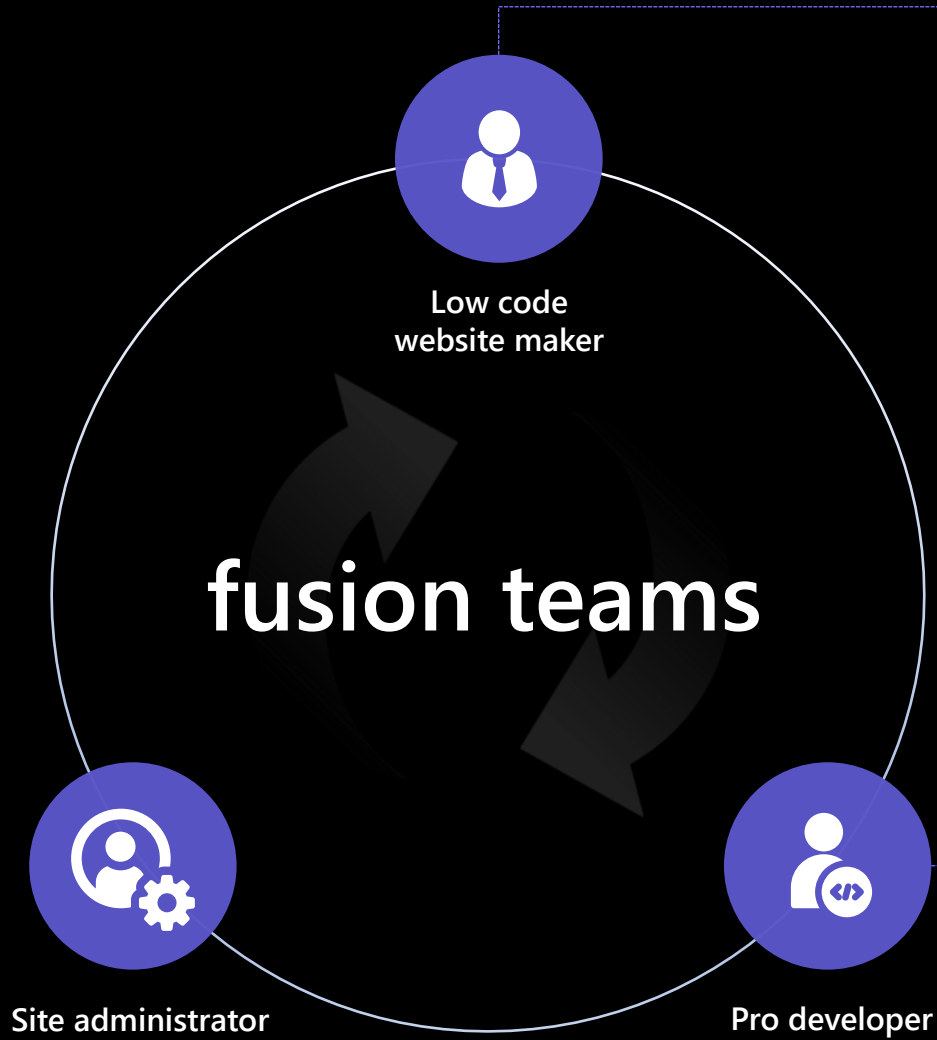


Power Pages is an **enterprise grade** low-code SaaS Platform for creating, hosting and administrating **rich, interactive, data first, business web apps** worldwide.

Power Pages = Power Apps portals ++

Building websites with fusion teams

Low-code website maker
fusion teams
Site administrator
Pro developer



Low code maker experiences

- Power Pages Maker Studio
- Templates hub
- Learn hub
- Data modeling and visualization

Pro-dev experiences

- In-line code editor
- VS Code extension
- Github and Azure DevOps integration for ALM

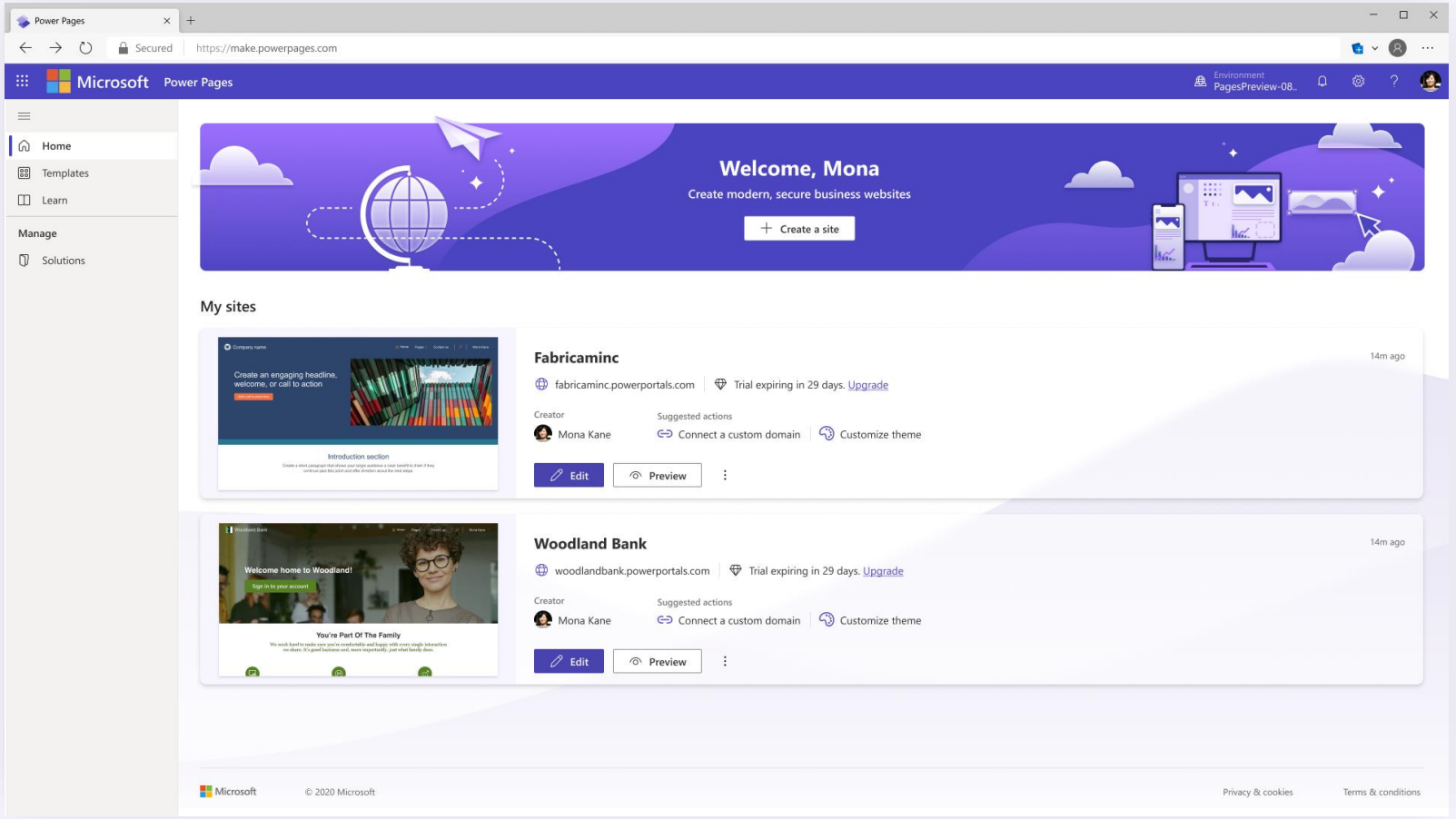
IT admin experiences

- ID providers and authentication
- User roles and authorization
- Table permissions
- CDN and WAF

Low-code maker

Low-code maker

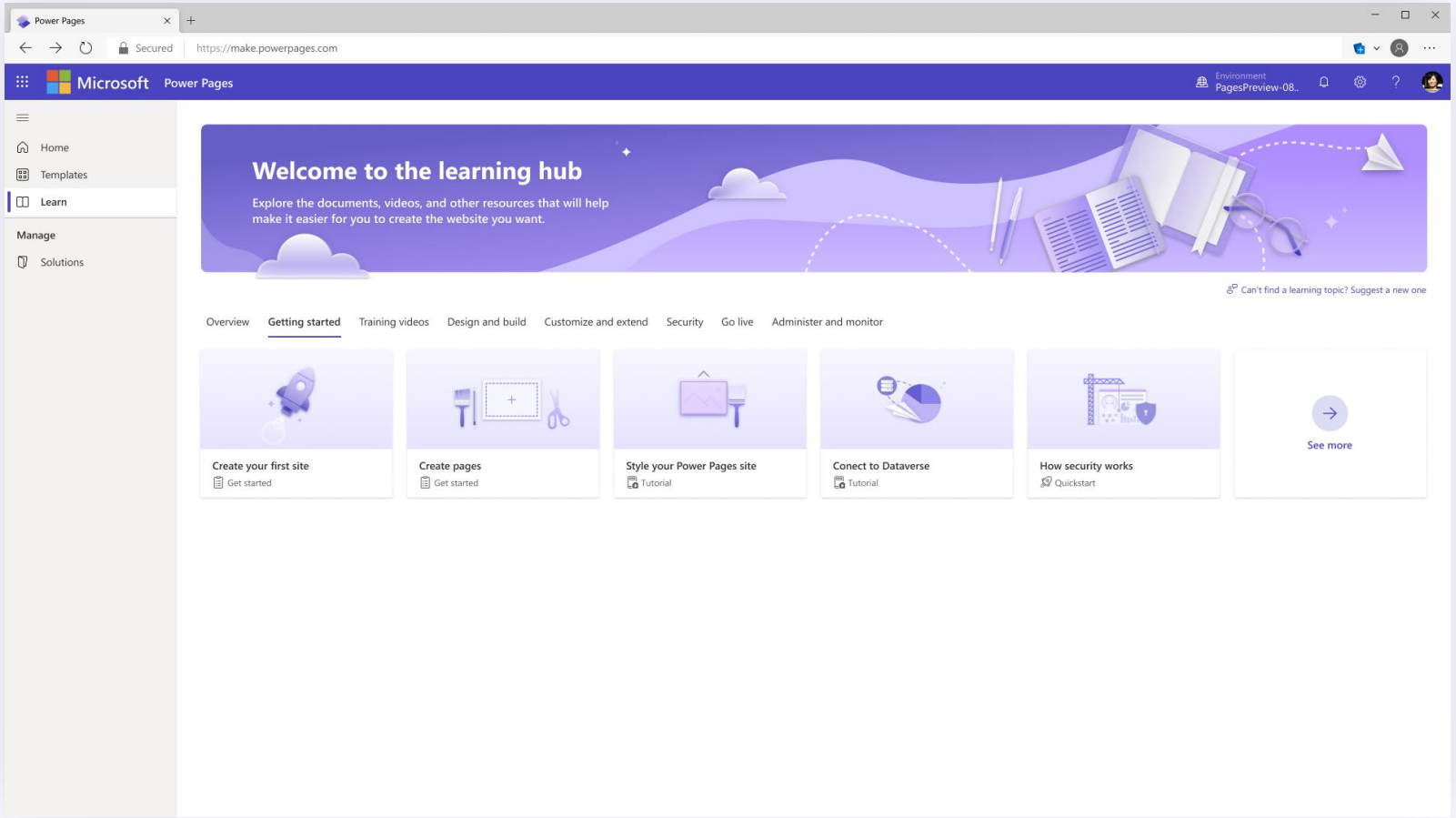
Home Page & Gallery



Low-code maker

Home Page & Gallery

Learn hub

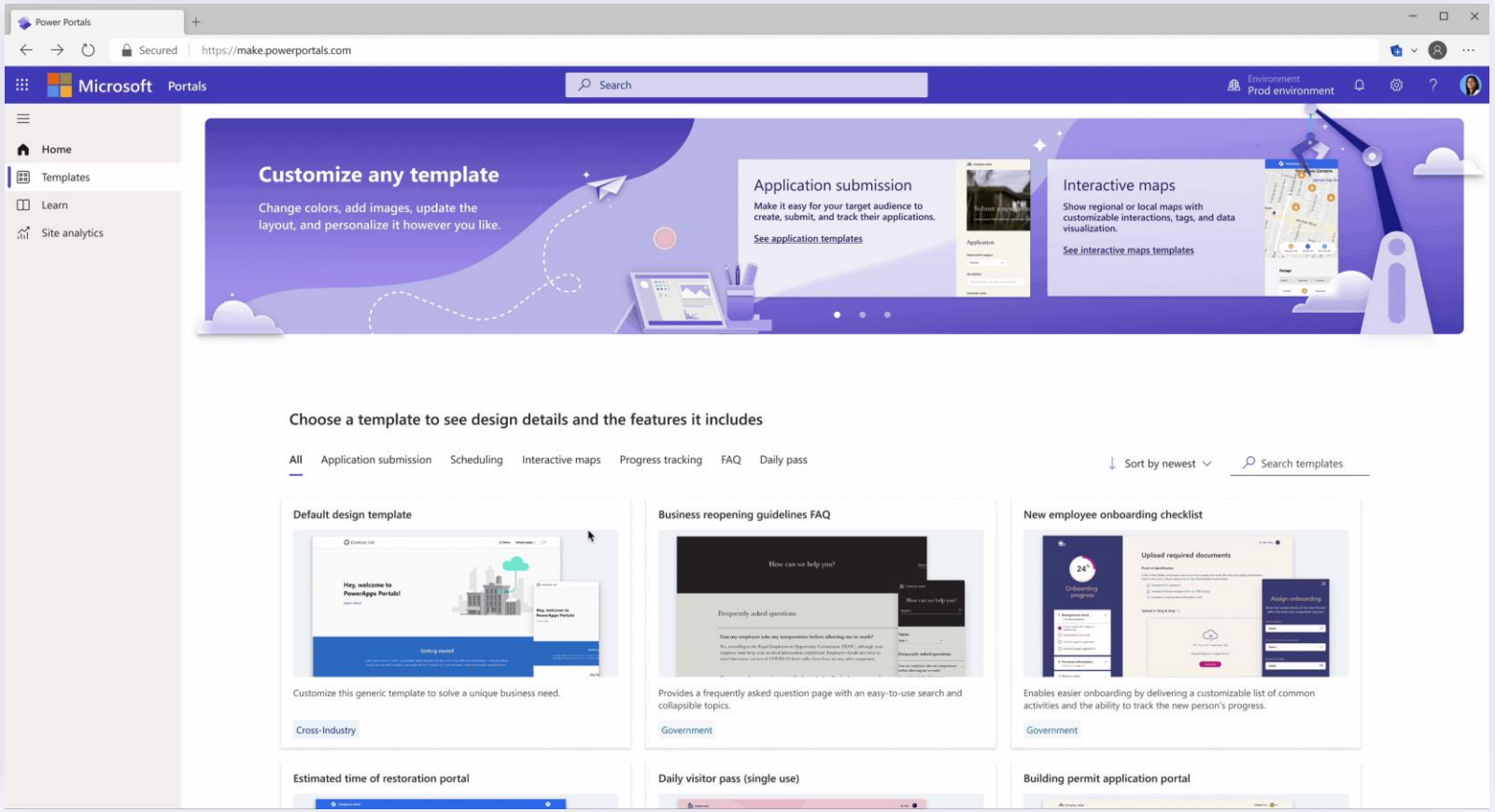


Low-code maker

Home Page & Gallery

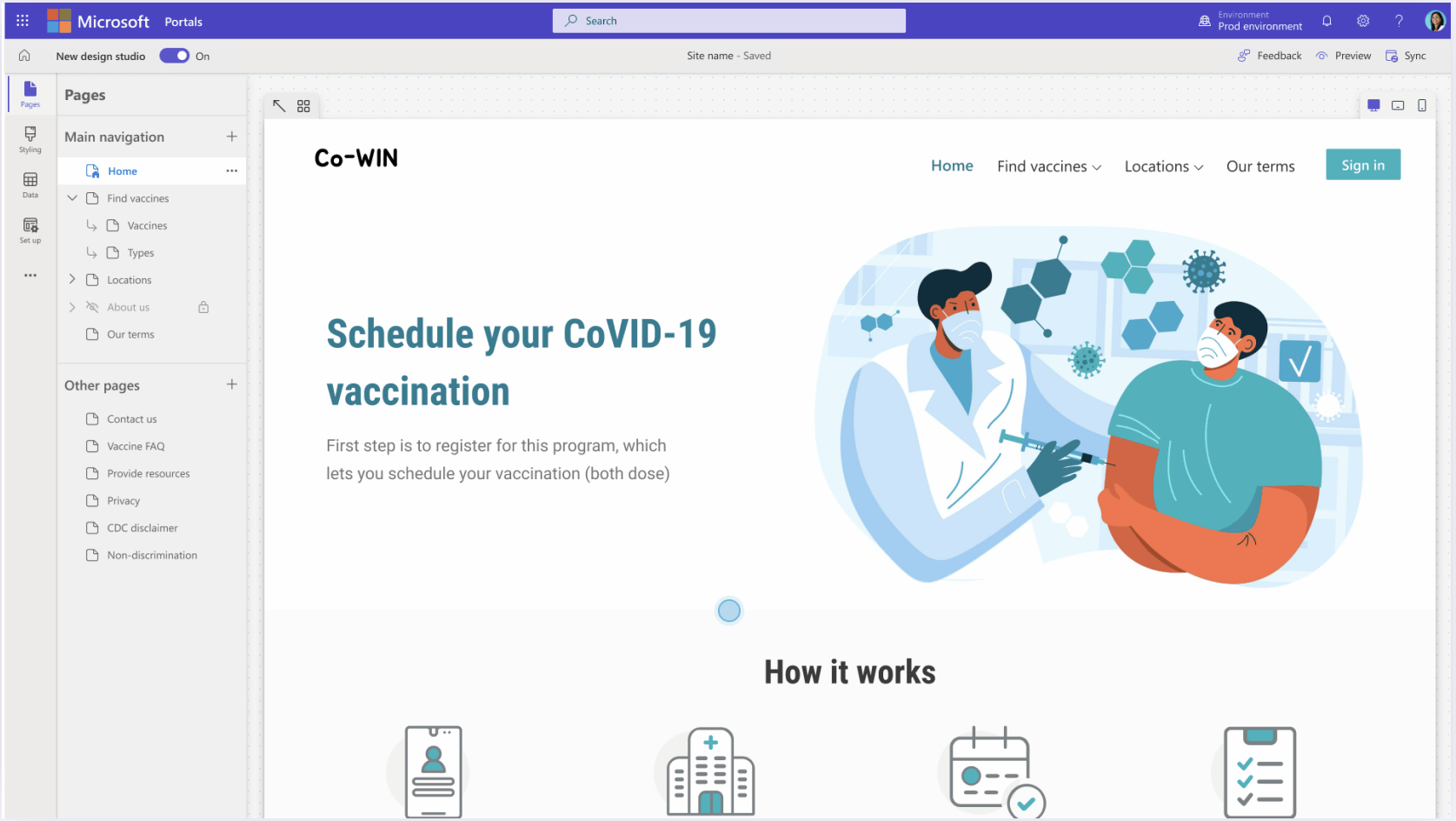
Learn hub

Templates hub



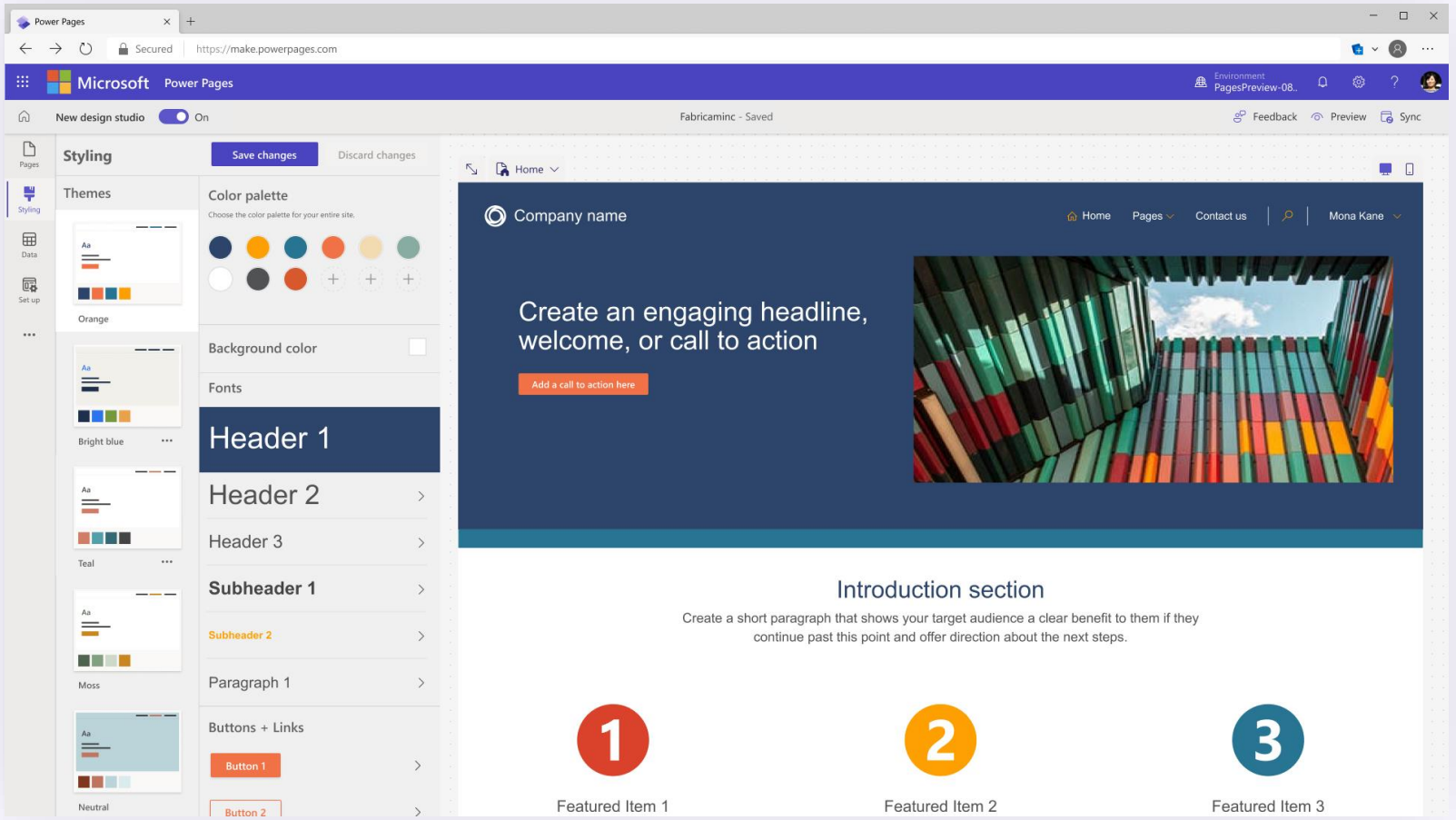
Low-code maker

- Home Page & Gallery
- Learn hub
- Templates hub
- Pages workspace



Low-code maker

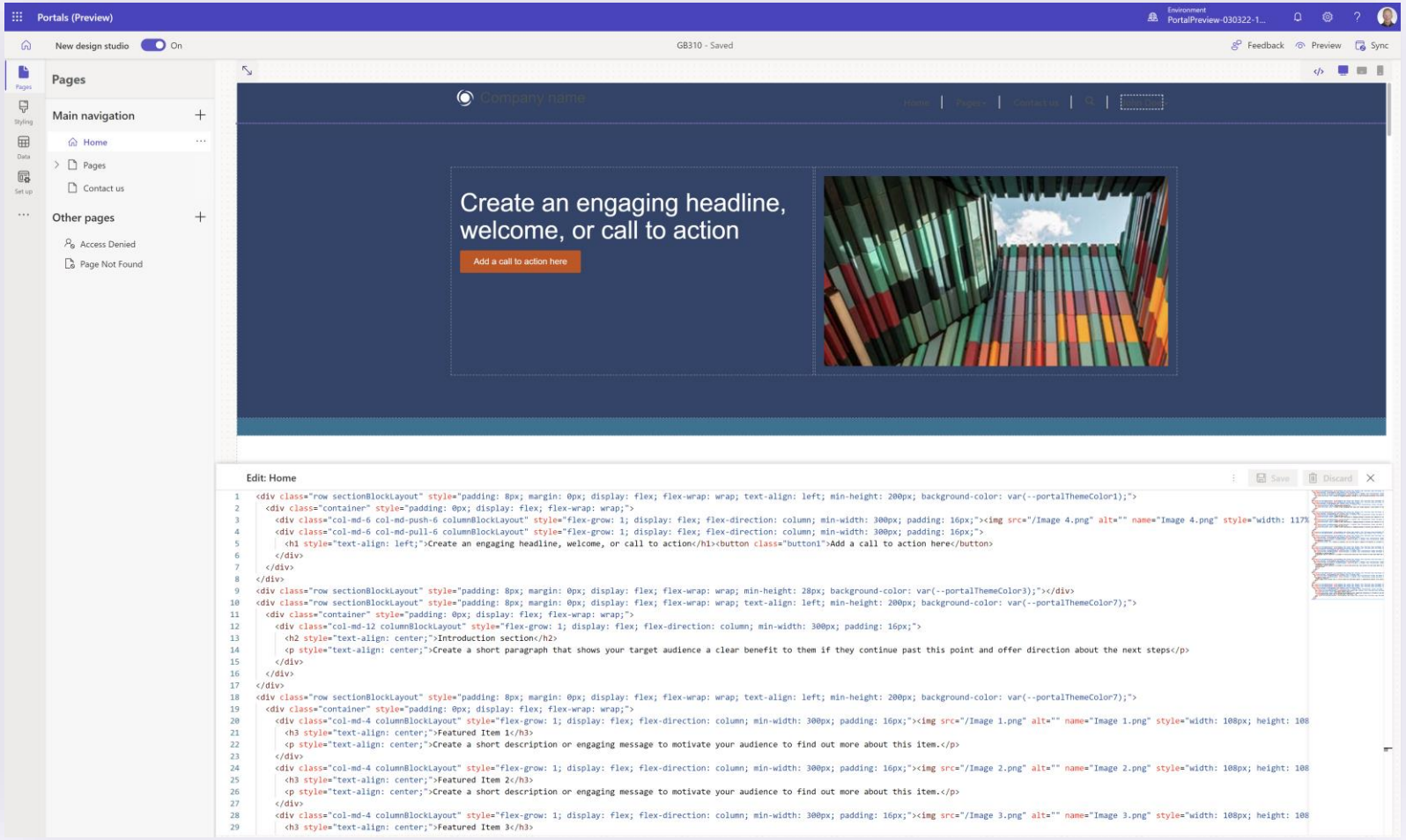
- Home Page & Gallery
- Learn hub
- Templates hub
- Pages workspace
- Styling workspace



Pro developer

Pro developer

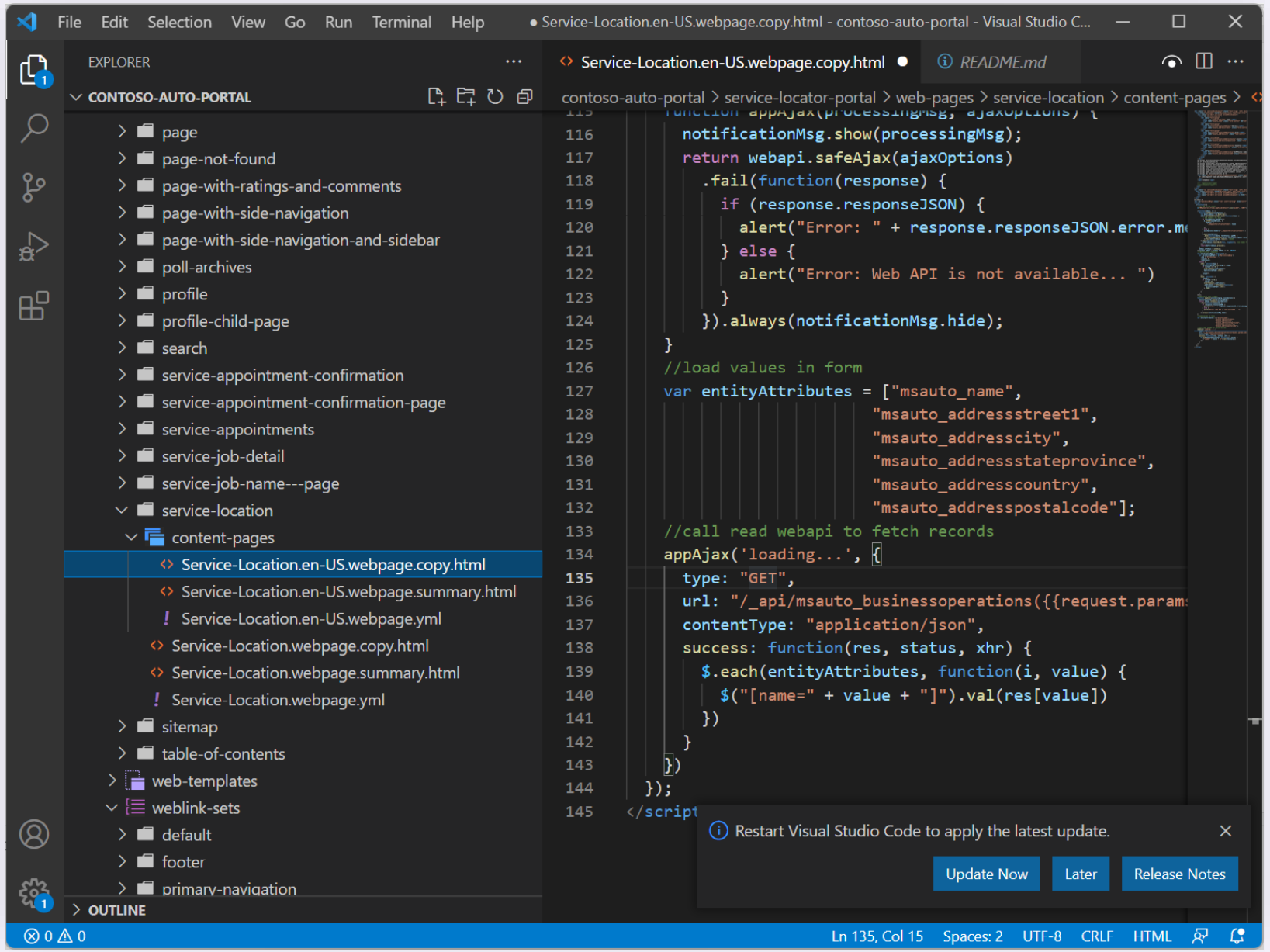
In-line Editor



Pro developer

In-line Editor

VS Code Extensions
Code components (PCF)
CSS modification
Web API's

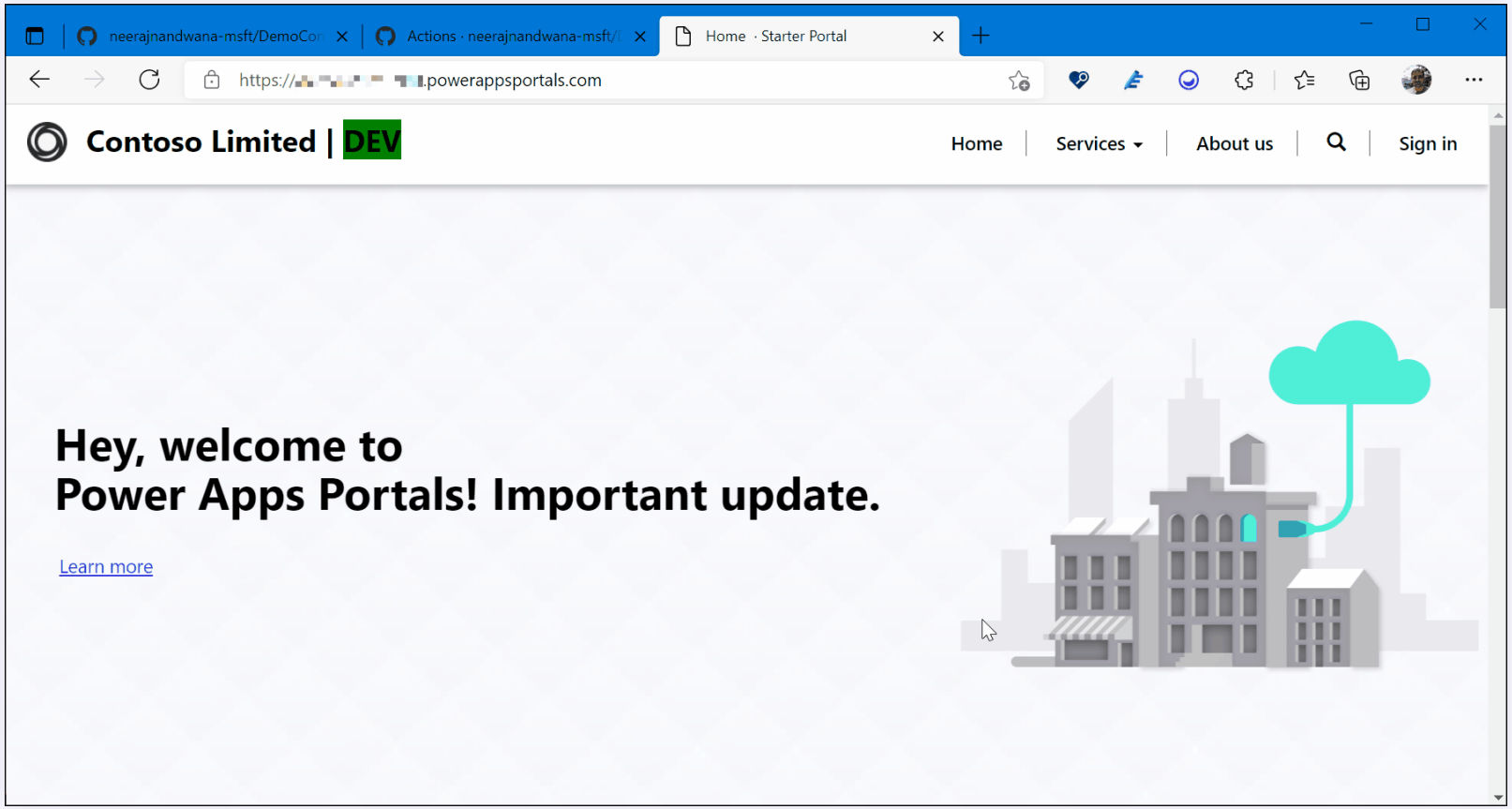


Pro developer

In-line Editor

VS Code Extensions
Code components (PCF)
CSS modification
Web API's

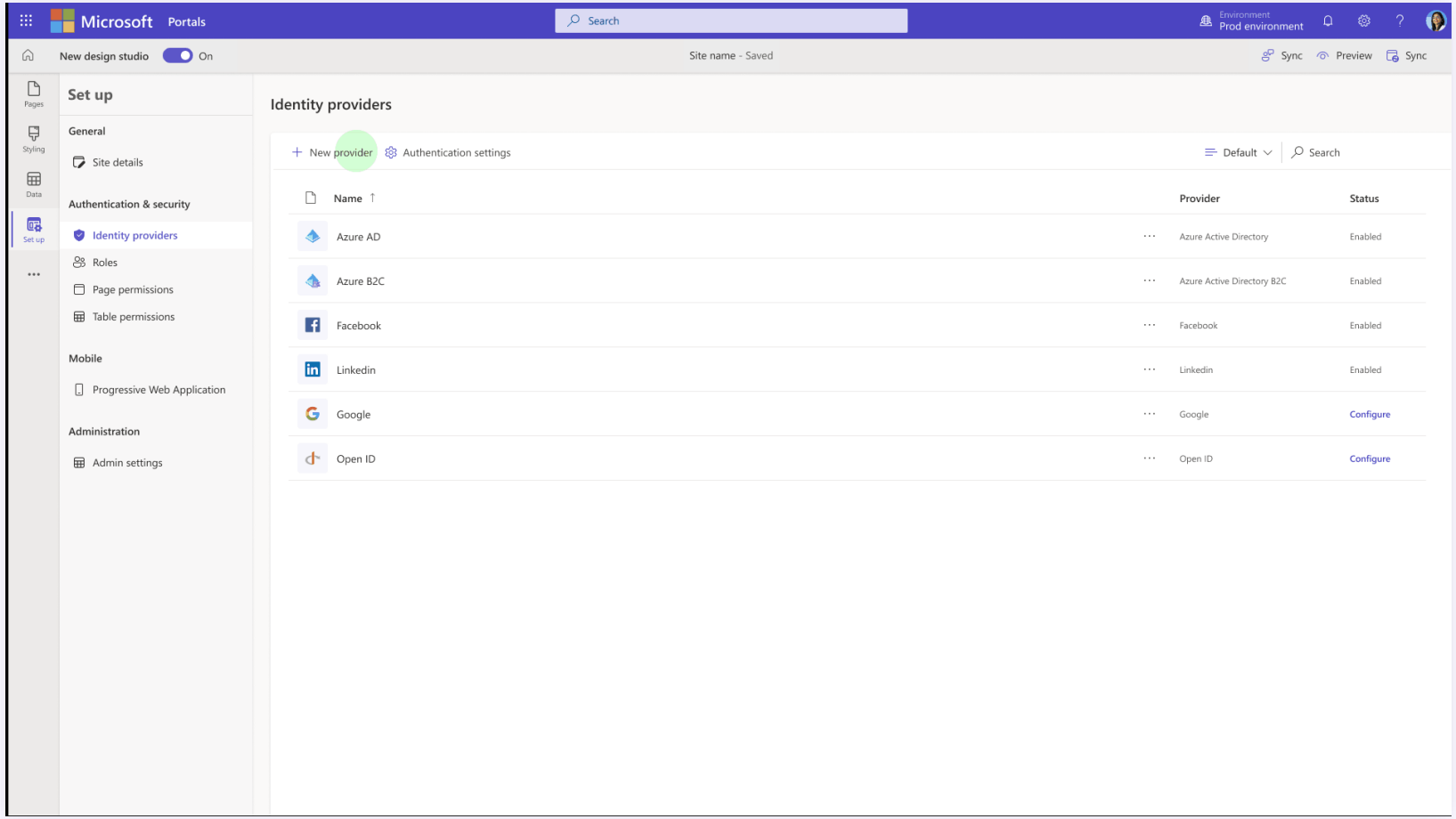
GitHub and Azure Dev Ops:
Continuous Integration & Deployment



Site administrator

Site administrator

Identity providers and authentication



Site administrator

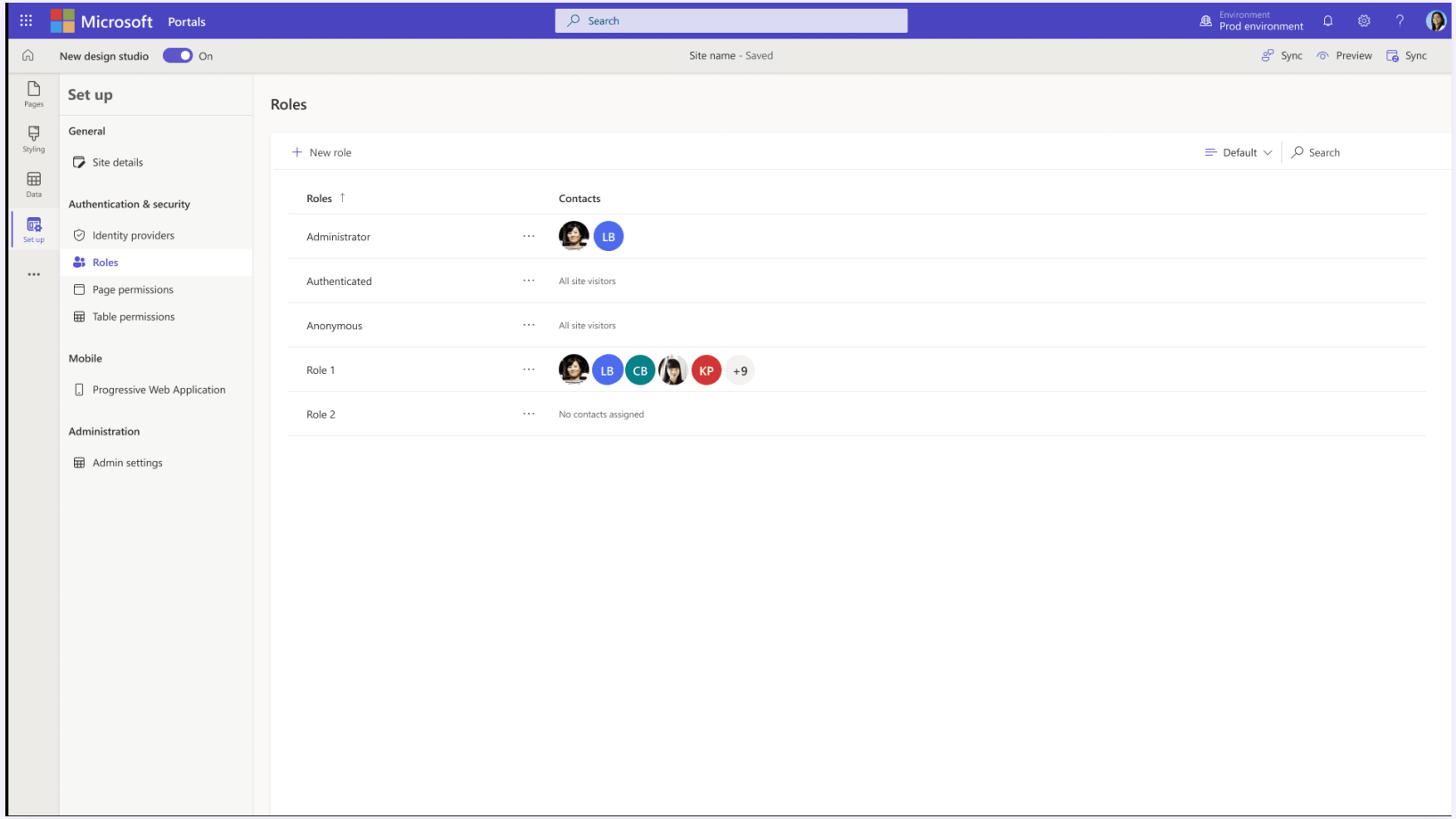
Identity providers and authentication

Provider	Protocol	Documentation
Azure Active Directory (Azure AD)	OpenID Connect	Azure AD with OpenID Connect
Azure AD	SAML 2.0	Azure AD with SAML 2.0
Azure AD	WS-Federation	Azure AD with WS-Federation
Azure AD B2C	OpenID Connect	Azure AD B2C with OpenID Connect Azure AD B2C with OpenID Connect (manual configuration)
Azure Directory Federation Services (AD FS)	SAML 2.0	AD FS with SAML 2.0
AD FS	WS-Federation	AD FS with WS-Federation
Microsoft	OAuth 2.0	Microsoft
LinkedIn	OAuth 2.0	LinkedIn
Facebook	OAuth 2.0	Facebook
Google	OAuth 2.0	Google
Twitter	OAuth 2.0	Twitter **Note**: Twitter authentication for portals is temporarily unavailable because of the compatibility issues.
Local authentication (not recommended)	Not applicable	Local authentication

Site administrator

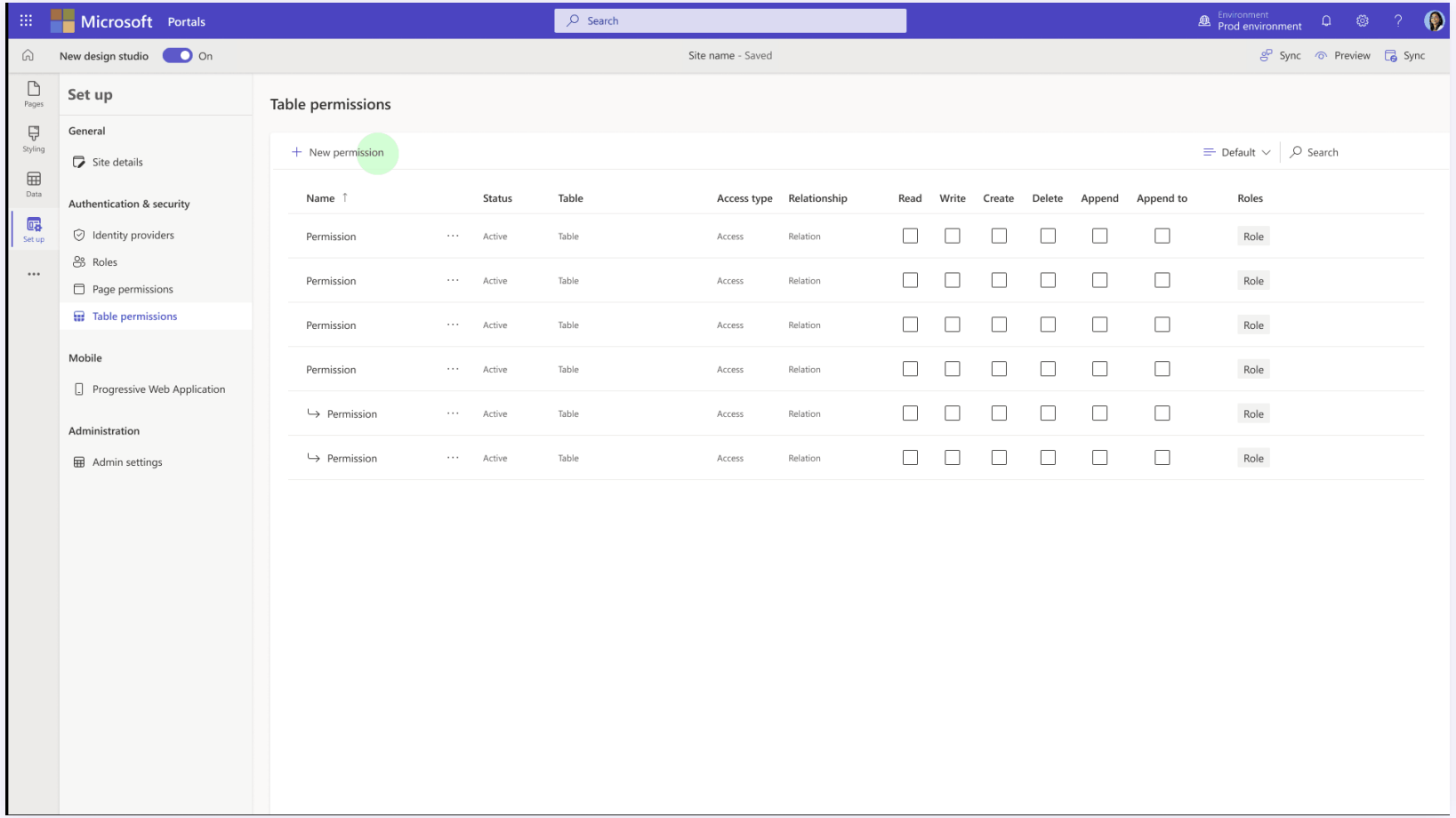
Identity providers and authentication

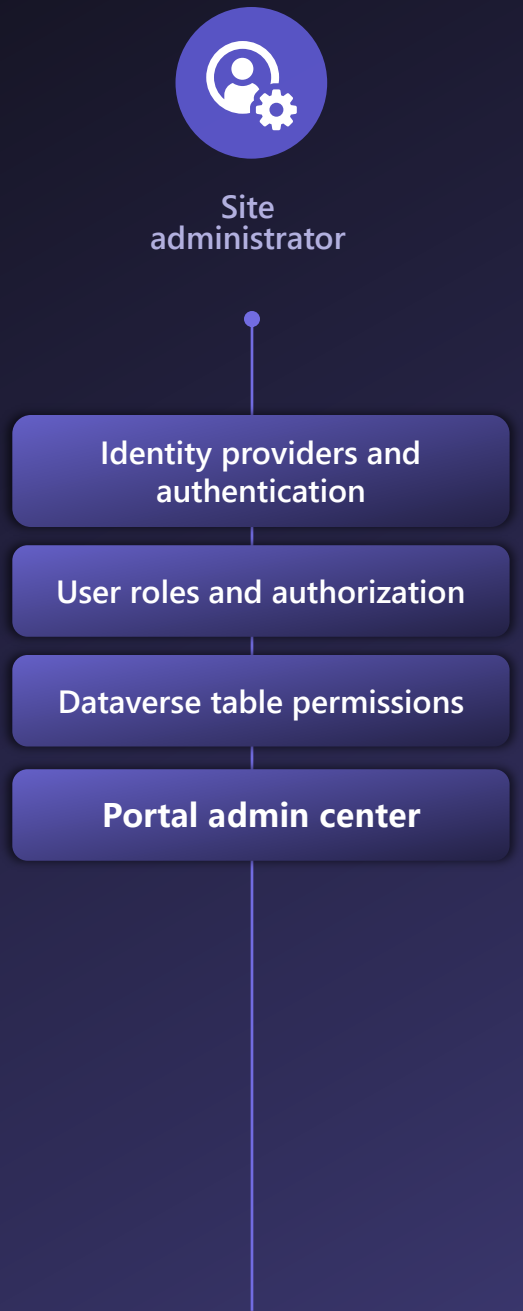
User roles and authorization



Site administrator

- Identity providers and authentication
- User roles and authorization
- Dataverse table permissions





- Portal details
- Portal action
- Manage D365 instance
- Set up SharePoint integration
- Set up Power BI integration
- Run Portal checker

Site administrator

Identity providers and authentication

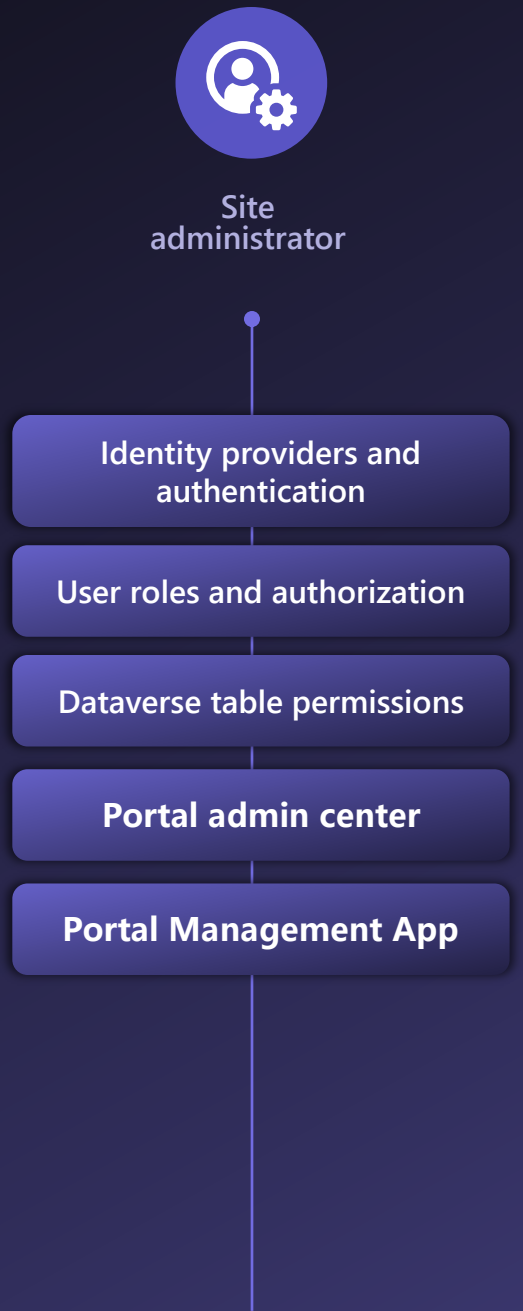
User roles and authorization

Dataverse table permissions

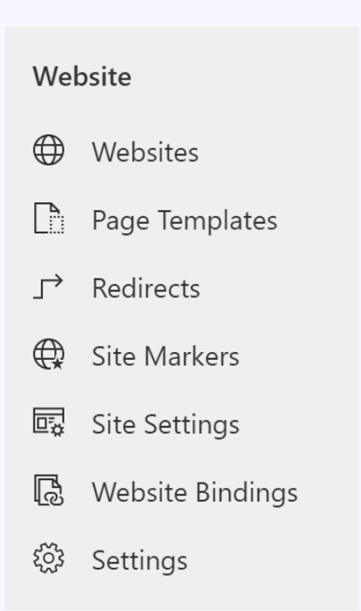
Portal admin center

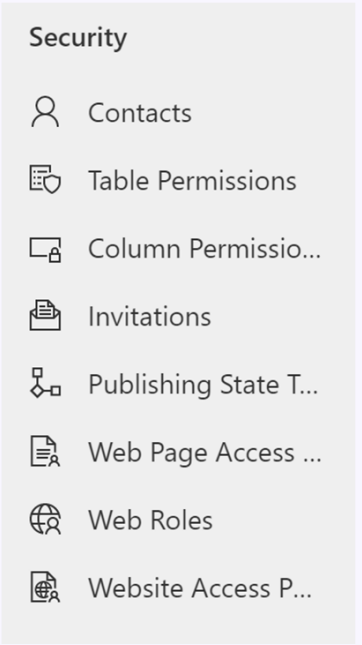
Portal actions

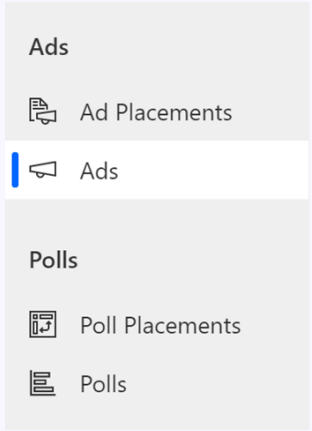
- Restart/ Reset the portal
- Change base URL
- Enable maintenance mode
- Enable diagnostic logging
- Import metadata translation
- Download public key (for D364 CE apps configuring Live Assist)
- Install Project Service Automation/ Field Service extension (for Partner Portal)

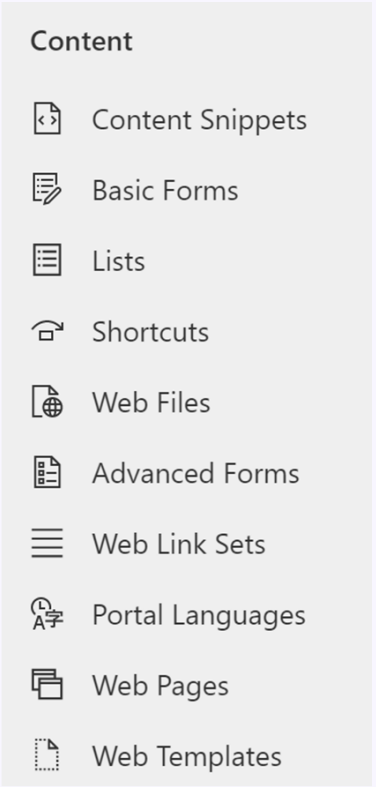


- 本身是一个Model Driven app，用来管理创建的 portals
- 用来访问 portals entity: Website entities, Content entities, Security entities, Ad and Poll entities





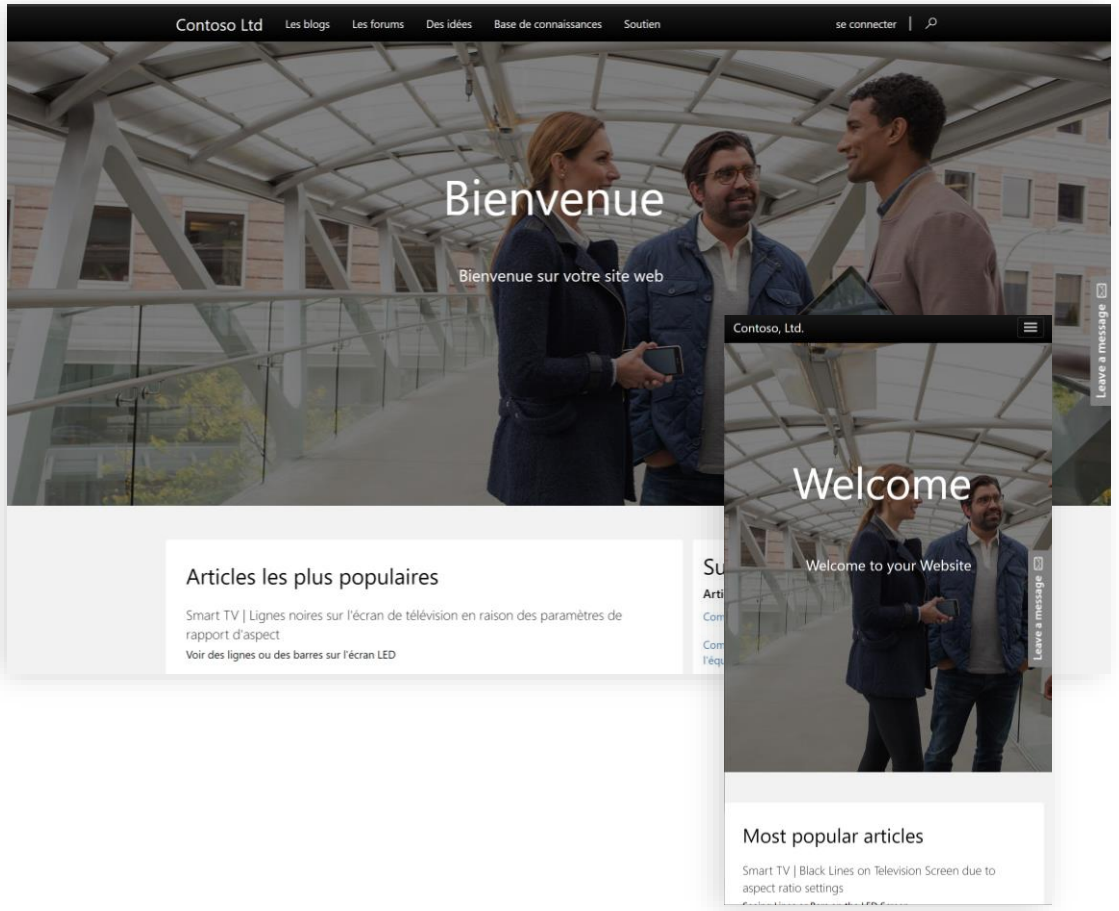




Website Capabilities

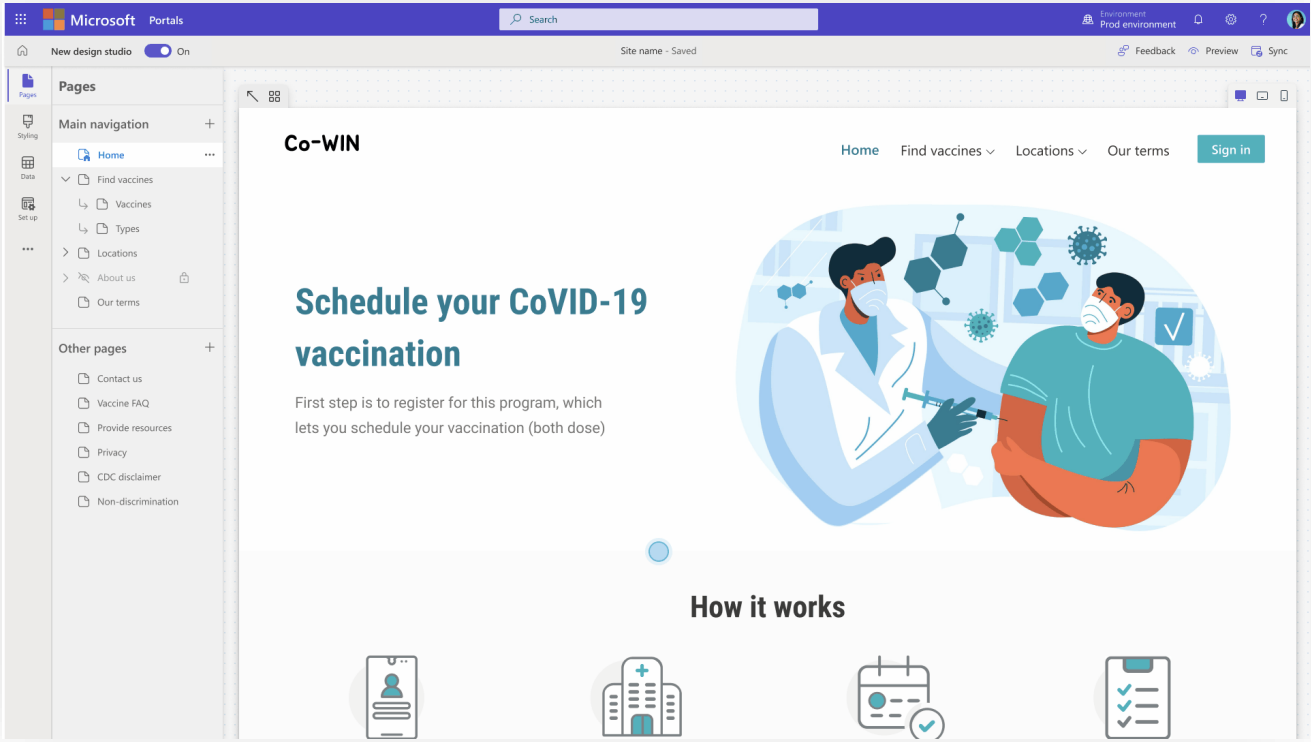
Pixel-perfect, responsive and multilingual sites

- Quick and easy Get Started Experience. Use a prebuilt template or create your own website using blank (starter template)
- Use bootstrap themes to create beautiful responsive sites that work on every surface
- Supports 45 base Dataverse languages, including language variations (like English(UK), French(Canadian) etc.)
- Fully accessible controls conforming to WCAG standard.
- Available in your Power Platform and Dynamics 365 regions



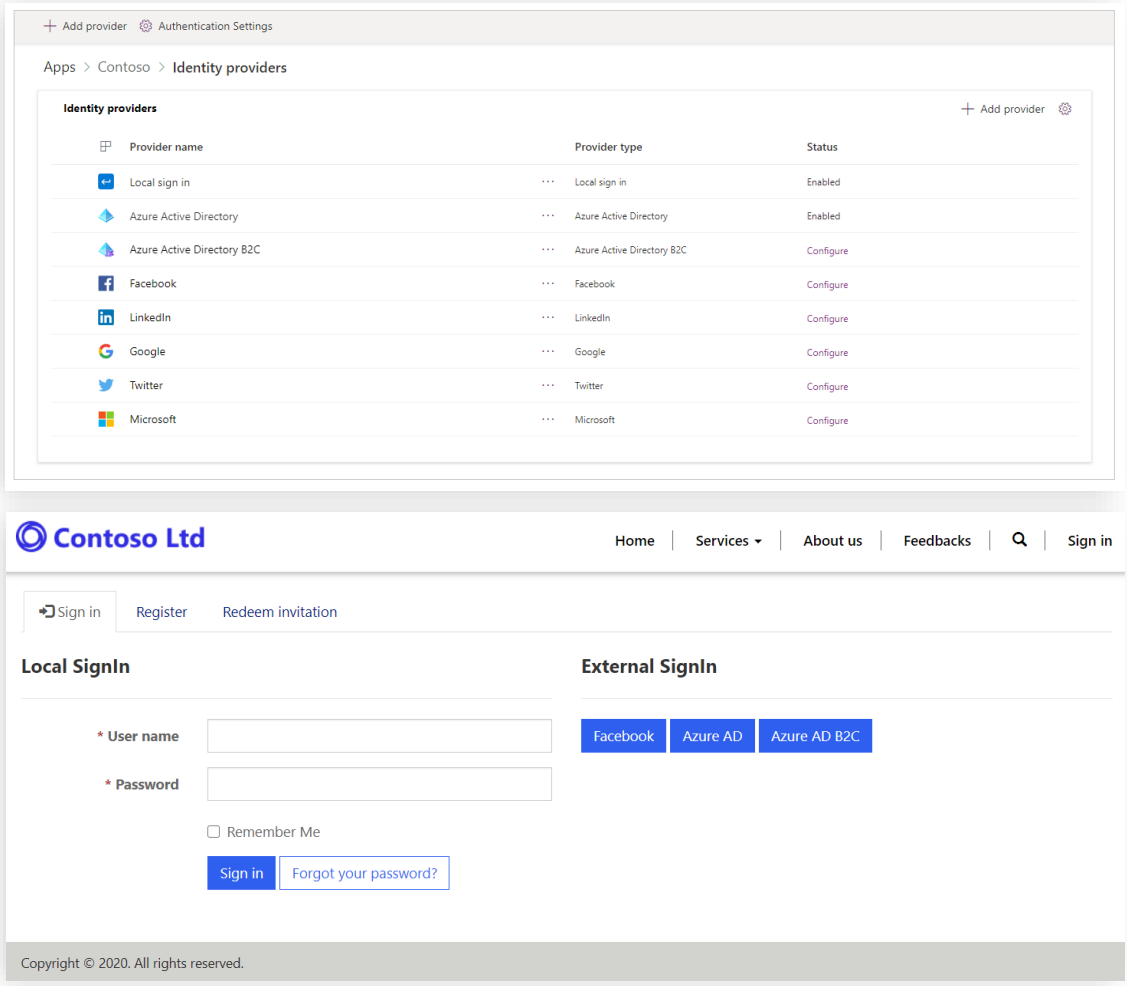
Surface Dataverse / Dynamics data in a few clicks

- Use prebuilt components like forms, views, charts, dashboards etc. to surface Dataverse data
- Define basic configuration for views and forms to quickly create new or add existing
- Advanced form/view capabilities like CAPTCHA, geolocation, custom actions, workflow actions etc.



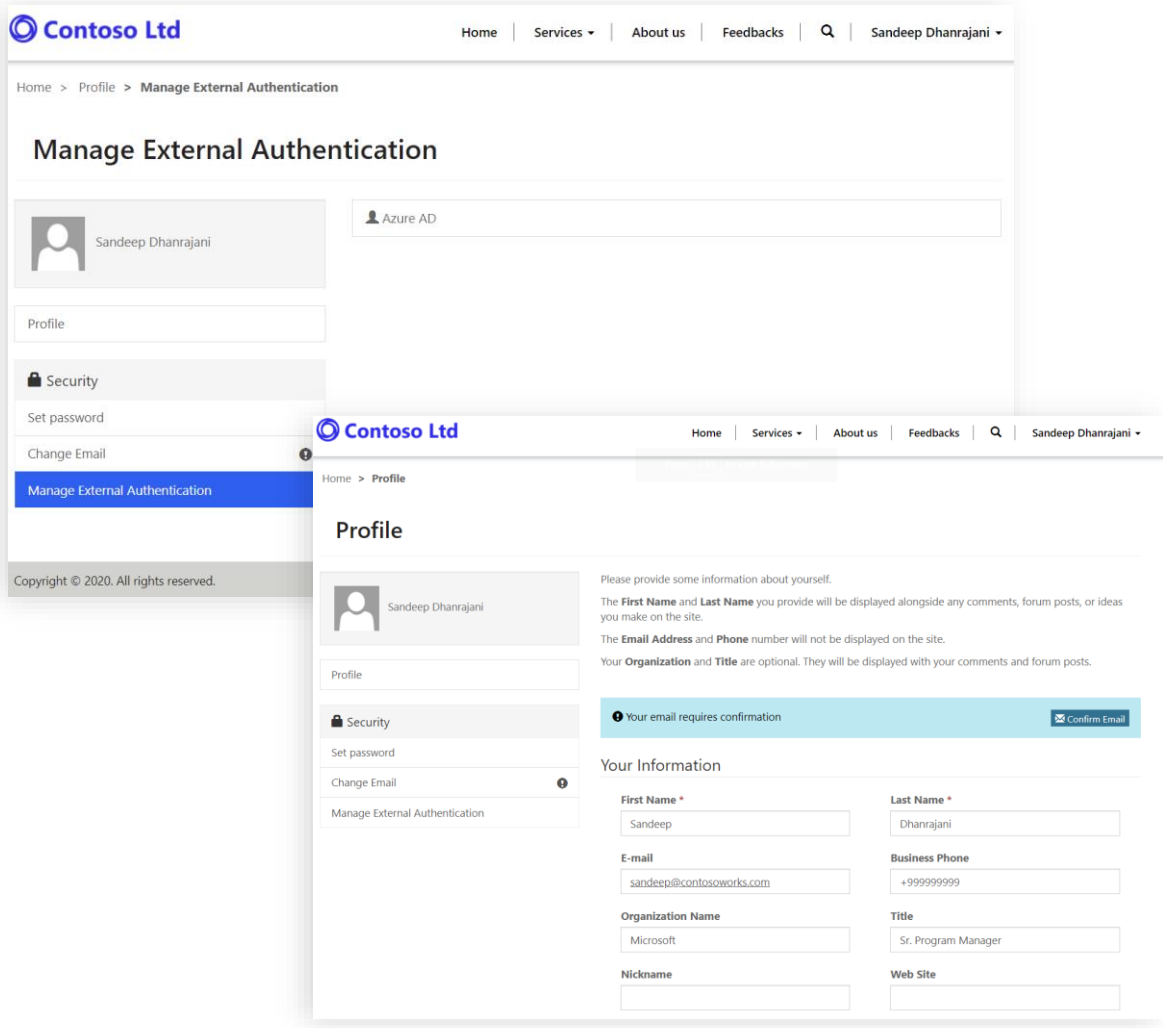
Extend to multiple audiences

- Create Website for users outside your organizations as well as employees.
- Enable a variety of commercial login providers like Microsoft Account, LinkedIn, Facebook as well as enterprise Identity Providers like Azure AD B2C, Okta, Auth0 etc. via configuration
- Enable Self Service Registration for end users or extend it to select users.
- Enable Anonymous access for selected content.



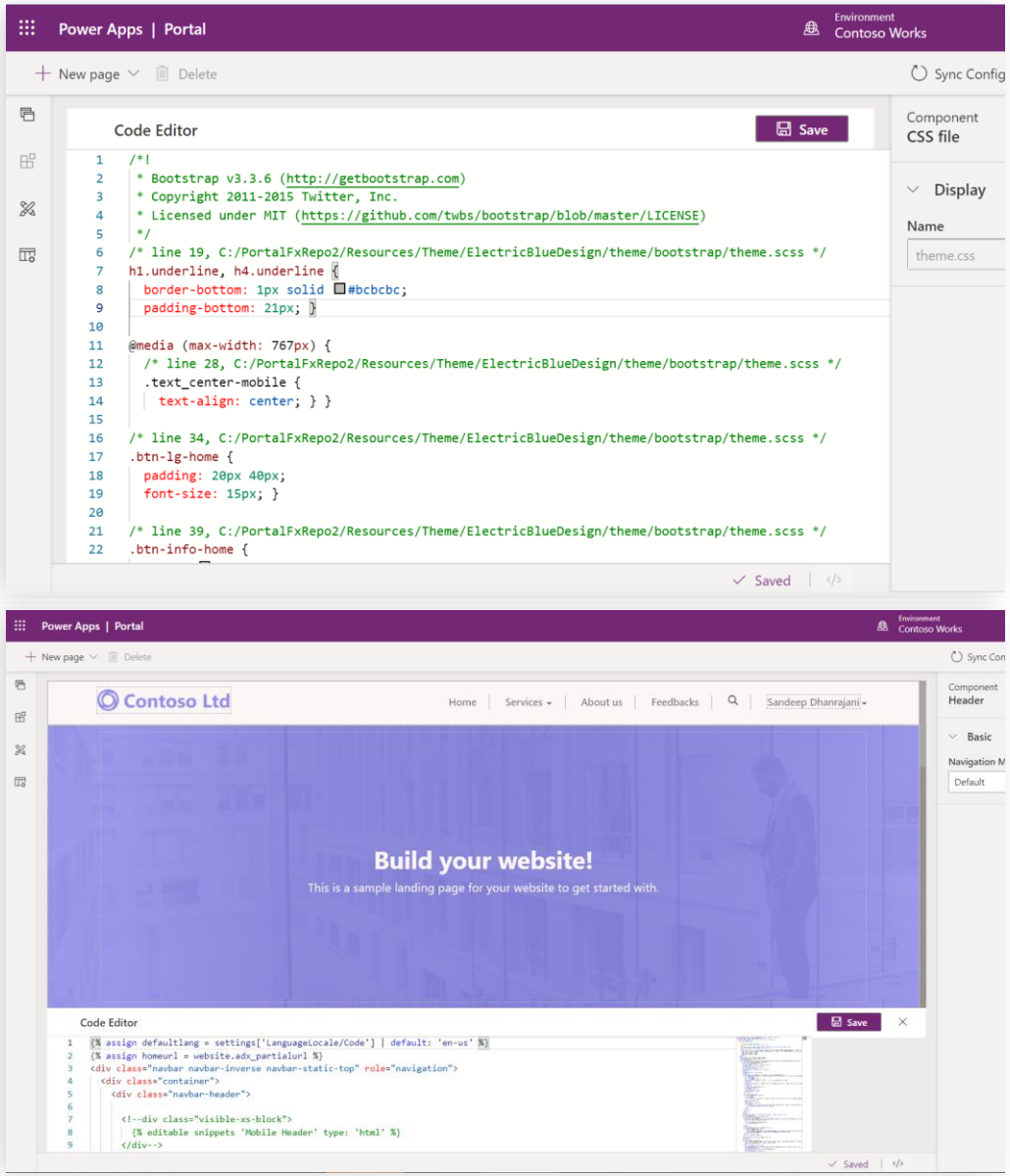
Profile management and security model

- All Website users are modelled as contacts in the Dataverse database.
- Self Service Profile Management right within the website.
- Allow users to link identities from multiple identity providers.
- A robust Security Model to provide Role based access to users, handles page-access rules, entity permissions based on account / contact / user scopes



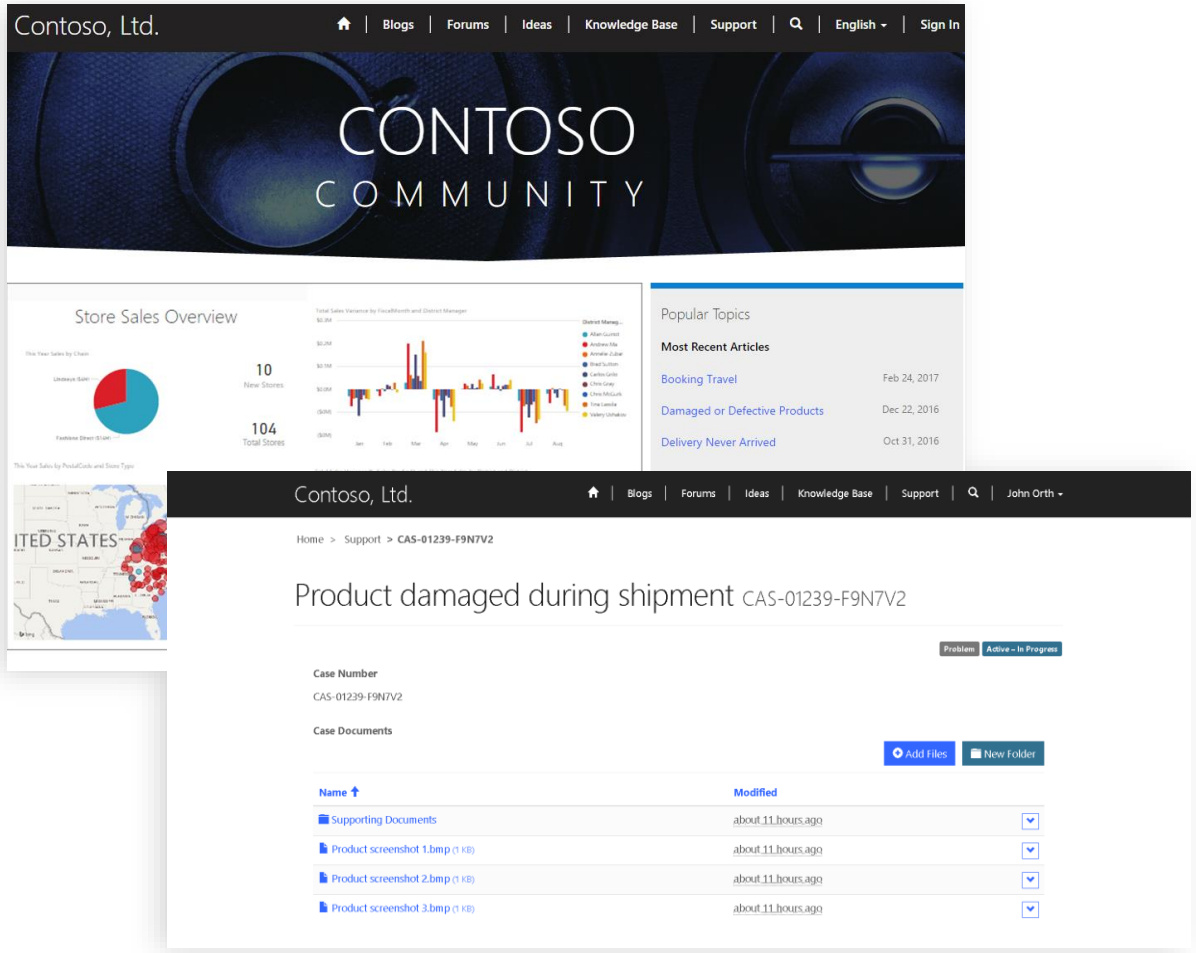
Pro-developer extensibility

- Ability to create reusable web templates for defining page layouts as well as web services.
- Ability to access Dataverse data and enable personalization using liquid templating language
- Dataverse server-side constructs like code plugins, workflows as well as Microsoft flow to extend business logic.
- Use Portal Web APIs for interacting with all data programmatically.
- Use inbuilt Power Platform Components Framework (PCF) to build and use reusable code components or use generic frameworks like react, vue etc to build components.



Integrate with other Microsoft Services

- Integrate PowerBI embed components like reports, dashboards and tiles.
- Integrate SharePoint, Azure Blob storage as document storage.
- Integrate with Azure AD B2C as Identity provider
- Integrate with Azure Application Insights for usage telemetry.



Get Started: Resources

Browse the different learning modules to begin developing your skills.

Explore Learning >

Access self-help guides to help you get started with Power Pages.

View Documentation >

Empower anyone—either inside or outside your organization—to interact with Microsoft Dataverse data using Power Pages.

Watch Overview >

Experience building a page through Power Apps.

Start Building Pages >

THANKYOU