



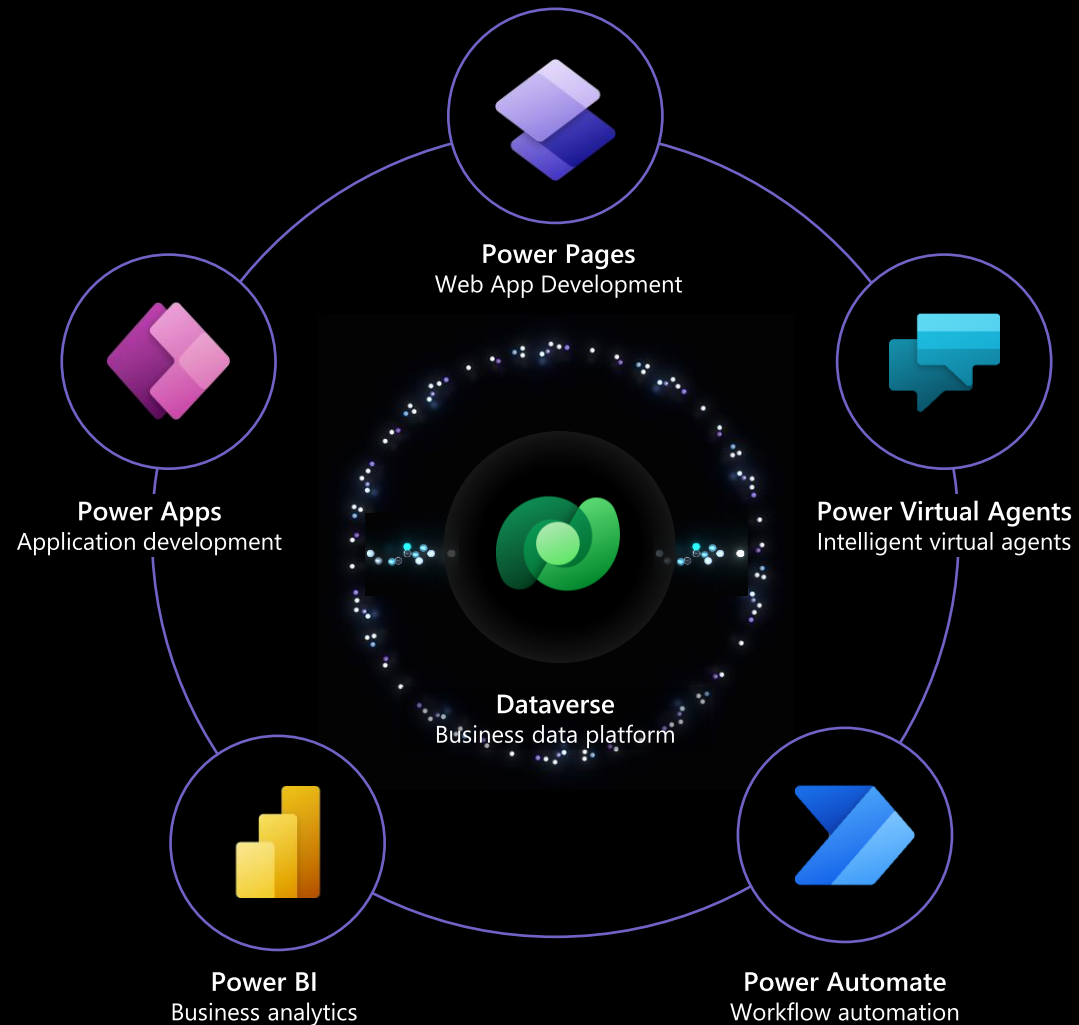
Power Pages

Jinyu Xu | GPS CSA



Microsoft Power Platform

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



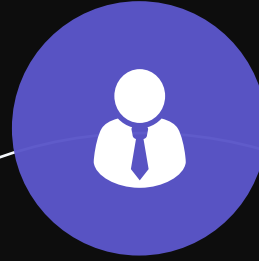
Power Pages is an
enterprise grade low-code
SaaS Platform for
creating, hosting
and administering
rich, interactive, data first,
business web apps
worldwide.



Power Pages = Power Apps portals ++

Building websites with fusion teams

Low-code website
maker



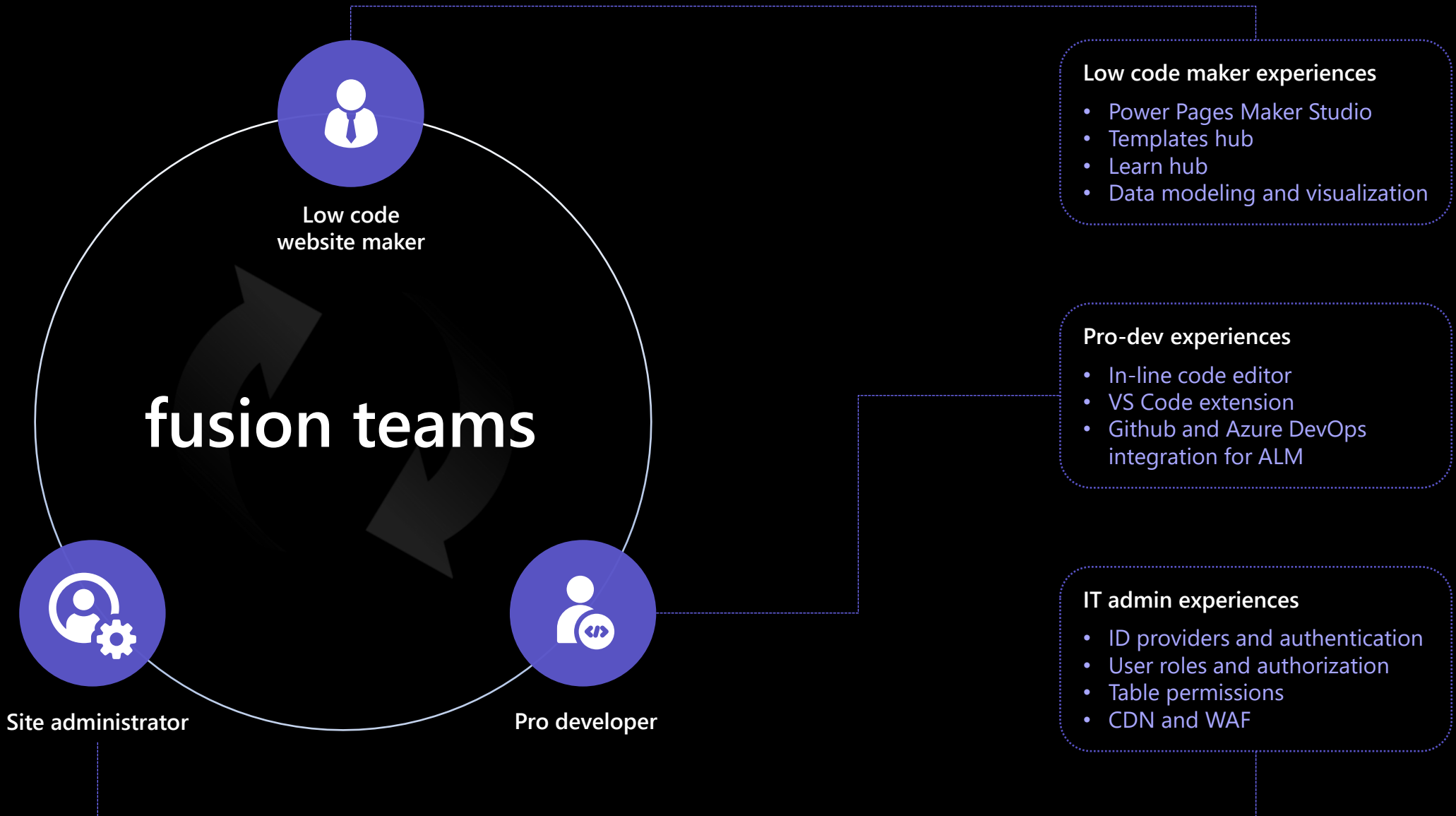
fusion teams



Site
administrator



Pro developer



Low-code maker



Low-code maker

Home Page & Gallery

Power Pages

Microsoft Power Pages

Environment: PagesPreview-08...

Welcome, Mona

Create modern, secure business websites

+ Create a site

My sites

Fabricaminc

14m ago

fabricaminc.powerportals.com

Trial expiring in 29 days. [Upgrade](#)

Creator: Mona Kane

Suggested actions: [Connect a custom domain](#) [Customize theme](#)

[Edit](#) [Preview](#)

Woodland Bank

14m ago

woodlandbank.powerportals.com

Trial expiring in 29 days. [Upgrade](#)

Creator: Mona Kane

Suggested actions: [Connect a custom domain](#) [Customize theme](#)

[Edit](#) [Preview](#)

Microsoft © 2020 Microsoft

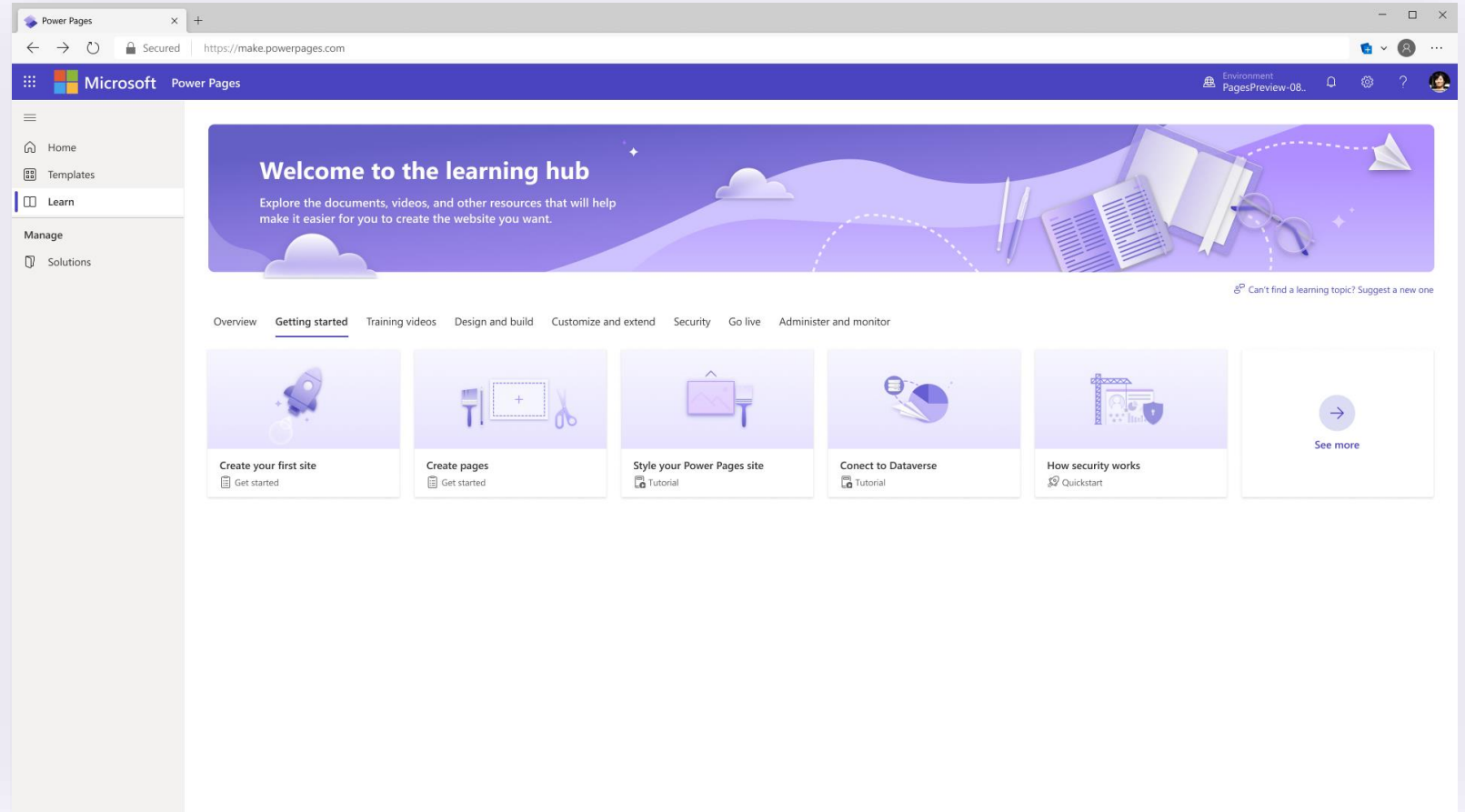
Privacy & cookies Terms & conditions



Low-code maker

Home Page & Gallery

Learn hub





Low-code maker

Home Page & Gallery

Learn hub

Templates hub

The screenshot displays the Microsoft Power Portals website. The browser address bar shows the URL <https://make.powerportals.com>. The page features a purple header with the Microsoft logo and a search bar. A left sidebar contains navigation links: Home, Templates, Learn, and Site analytics. The main content area has a large banner with the heading "Customize any template" and three featured sections: "Application submission", "Interactive maps", and "Progress tracking". Below the banner, a section titled "Choose a template to see design details and the features it includes" displays a grid of template cards. The visible cards include: "Default design template" (Cross-Industry), "Business reopening guidelines FAQ" (Government), "New employee onboarding checklist" (Government), "Estimated time of restoration portal", "Daily visitor pass (single use)", and "Building permit application portal".



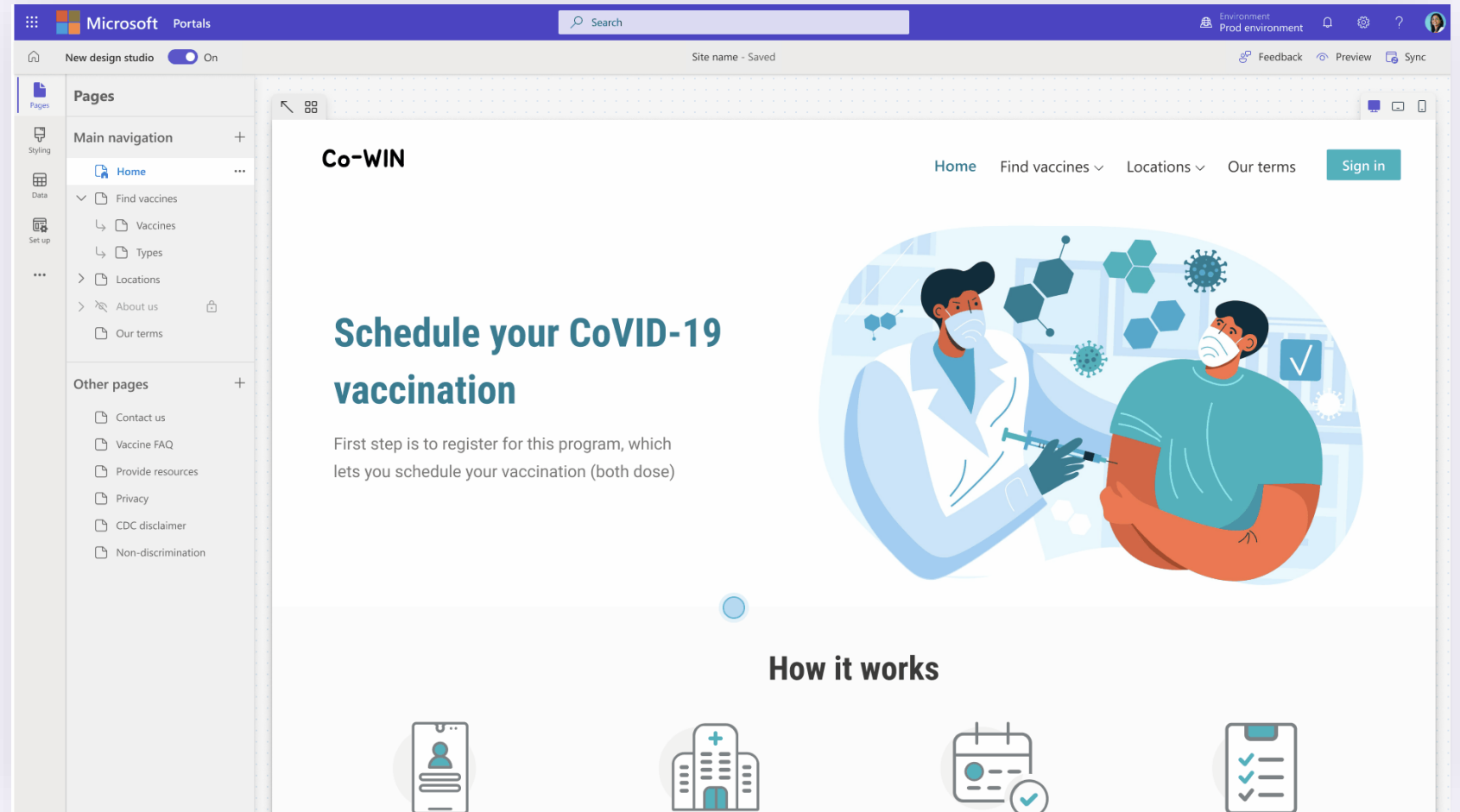
Low-code maker

Home Page & Gallery

Learn hub

Templates hub

Pages workspace





Low-code maker

Home Page & Gallery

Learn hub

Templates hub

Pages workspace

Styling workspace

Power Pages

Microsoft Power Pages

Environment: PagesPreview-08...

New design studio On

Fabricaminc - Saved

Feedback Preview Sync

Pages Styling Data Set up

Themes

Color palette

Choose the color palette for your entire site.

Orange

Bright blue

Teal

Moss

Neutral

Background color

Fonts

Header 1

Header 2

Header 3

Subheader 1

Subheader 2

Paragraph 1

Buttons + Links

Button 1

Button 2

Company name

Home Pages Contact us Mona Kane

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.

1 Featured Item 1

2 Featured Item 2

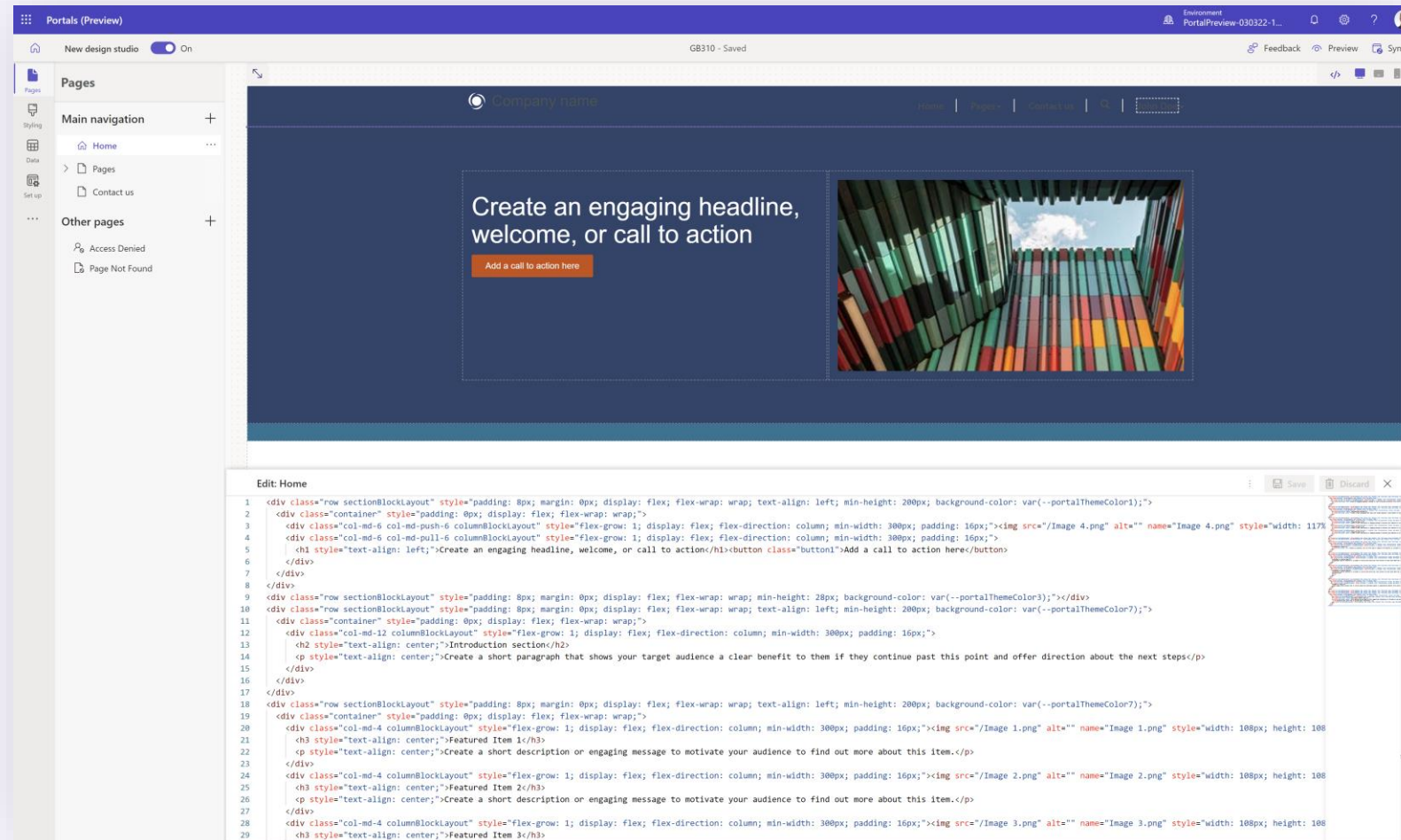
3 Featured Item 3

Pro developer



Pro developer

In-line Editor

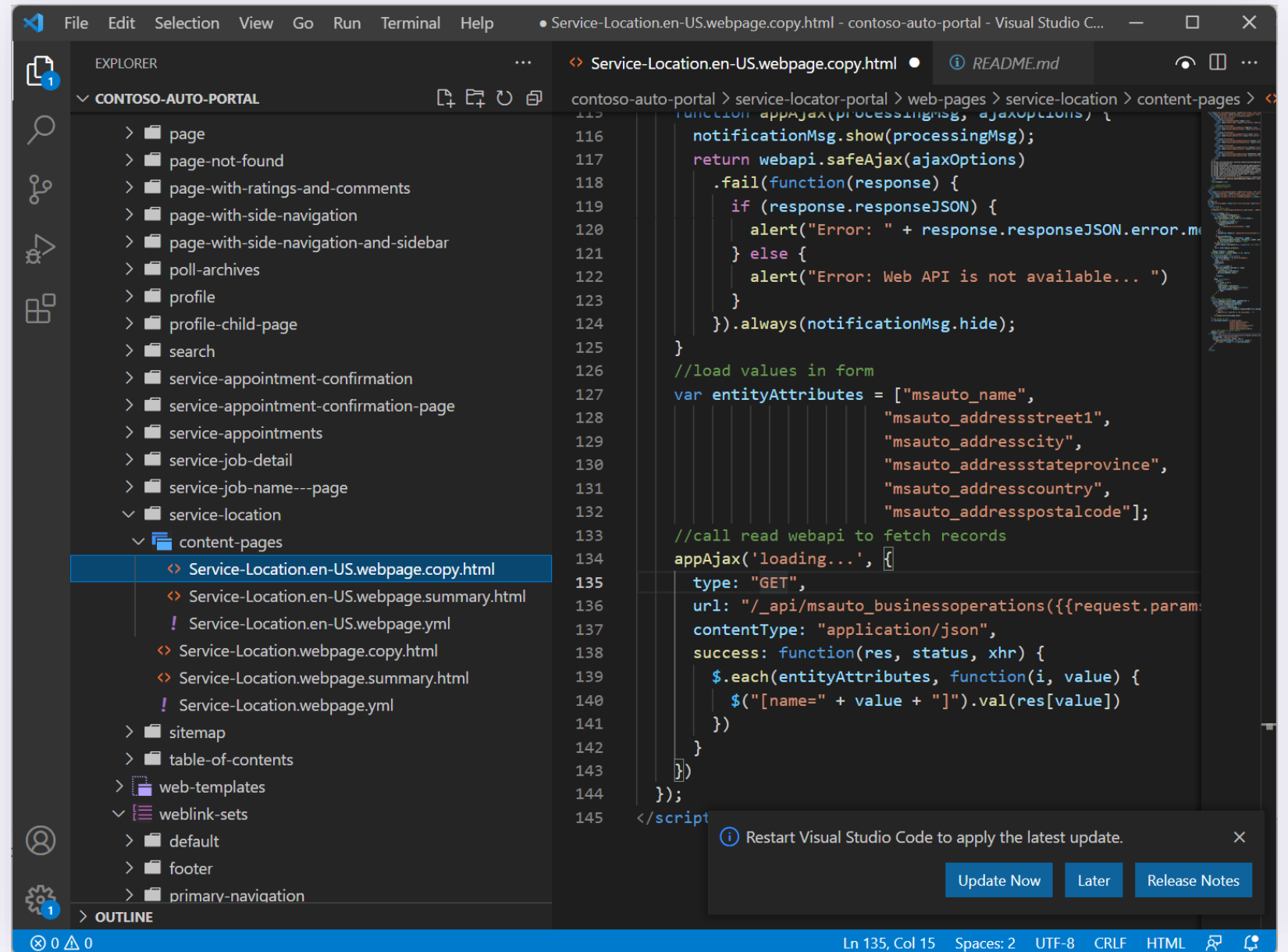




Pro developer

In-line Editor

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



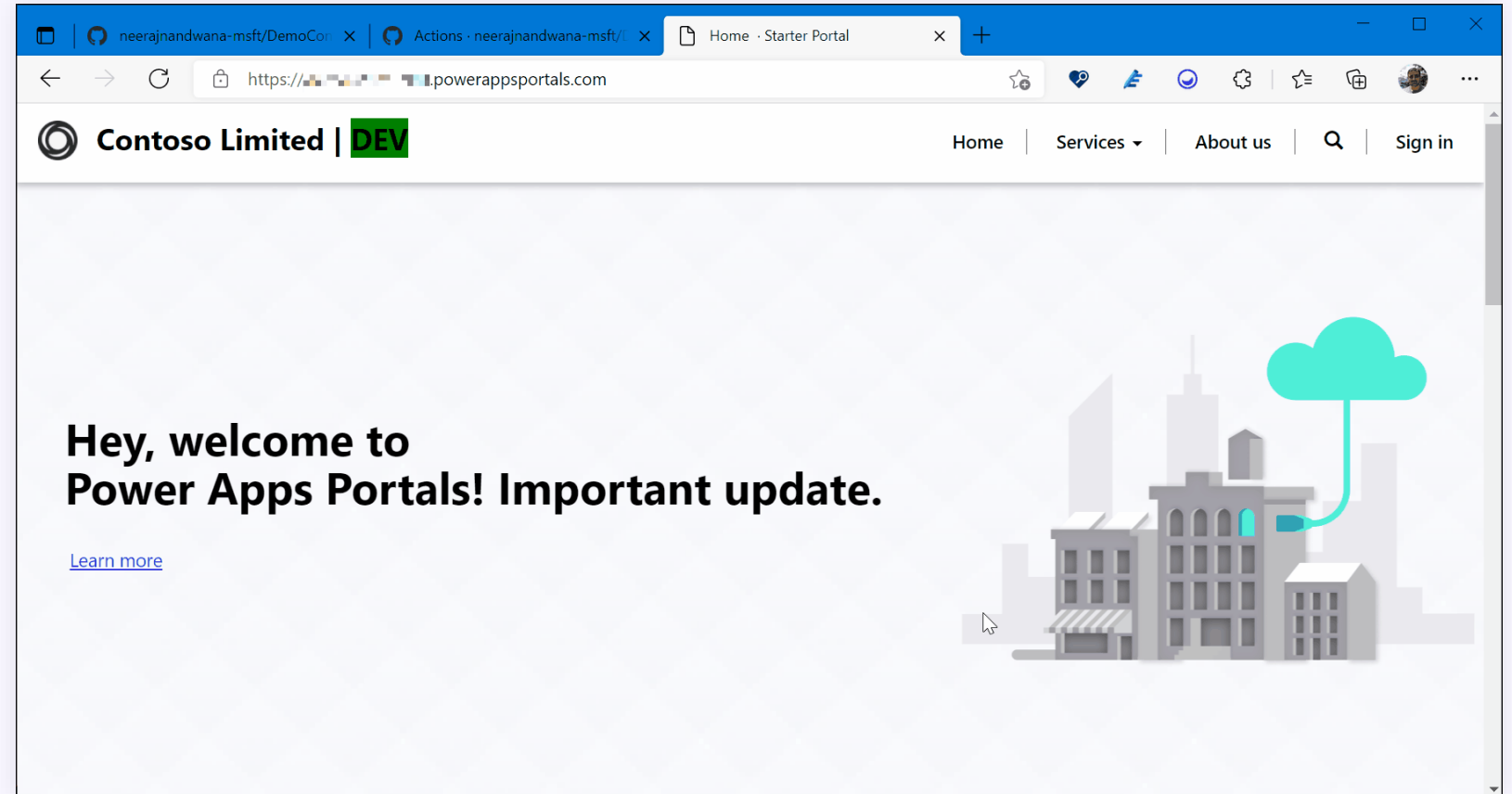


Pro developer

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

Microsoft Portals

Search

Environment: Prod environment

New design studio On Site name - Saved Sync Preview Sync

Set up

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

General

- Site details

Authentication & security

- Identity providers**
- Roles
- Page permissions
- Table permissions

Mobile

- Progressive Web Application

Administration

- Admin settings

Identity providers

+ New provider Authentication settings Default Search

Name ↑	Provider	Status
Azure AD	Azure Active Directory	Enabled
Azure B2C	Azure Active Directory B2C	Enabled
Facebook	Facebook	Enabled
LinkedIn	LinkedIn	Enabled
Google	Google	Configure
Open ID	Open ID	Configure



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

Microsoft Portals

Search

Environment: Prod environment

New design studio On Site name - Saved Sync Preview Sync

Set up

- Pages
- Styling
- Data
- Set up

General

- Site details

Authentication & security

- Identity providers
- Roles**
- Page permissions
- Table permissions

Mobile

- Progressive Web Application

Administration

- Admin settings

Roles

+ New role Default Search

Roles ↑	Contacts
Administrator	...
Authenticated	... All site visitors
Anonymous	... All site visitors
Role 1	... LB CB KP +9
Role 2	... No contacts assigned



User roles and authorization

Dataverse table permissions

[illegible]



Site
administrator

Identity providers and
authentication

User roles and authorization

Dataverse table permissions

Portal admin center

- 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

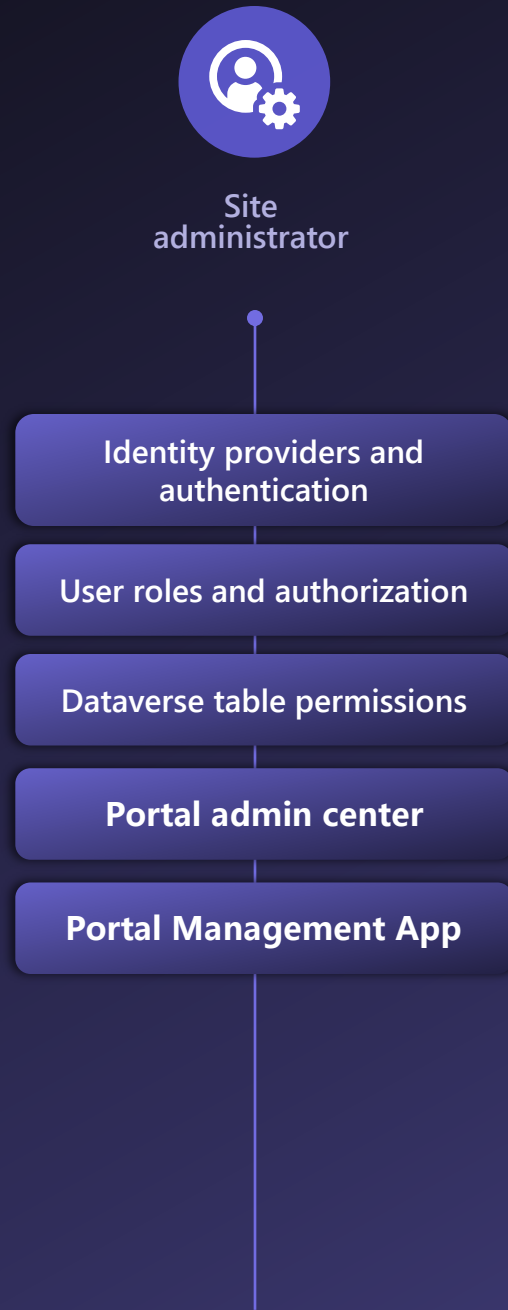
Dataverse table permissions

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

- Websites
- Page Templates
- Redirects
- Site Markers
- Site Settings
- Website Bindings
- Settings

Security

- Contacts
- Table Permissions
- Column Permissio...
- Invitations
- Publishing State T...
- Web Page Access ...
- Web Roles
- Website Access P...

Ads

- Ad Placements
- Ads

Polls

- Poll Placements
- Polls

Content

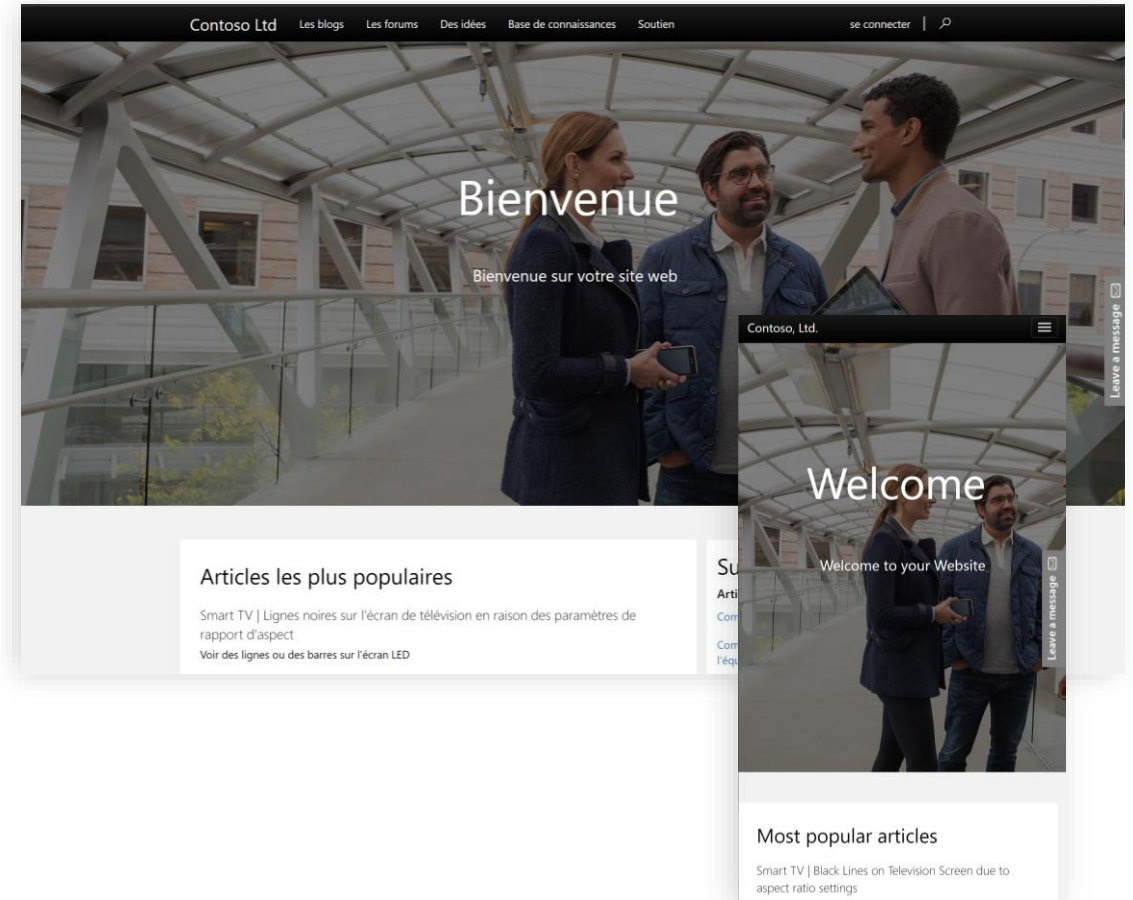
- Content Snippets
- Basic Forms
- Lists
- Shortcuts
- Web Files
- Advanced Forms
- Web Link Sets
- Portal Languages
- Web Pages
- Web Templates

Website Capabilities



Pixel-perfect, responsive and multilingual sites

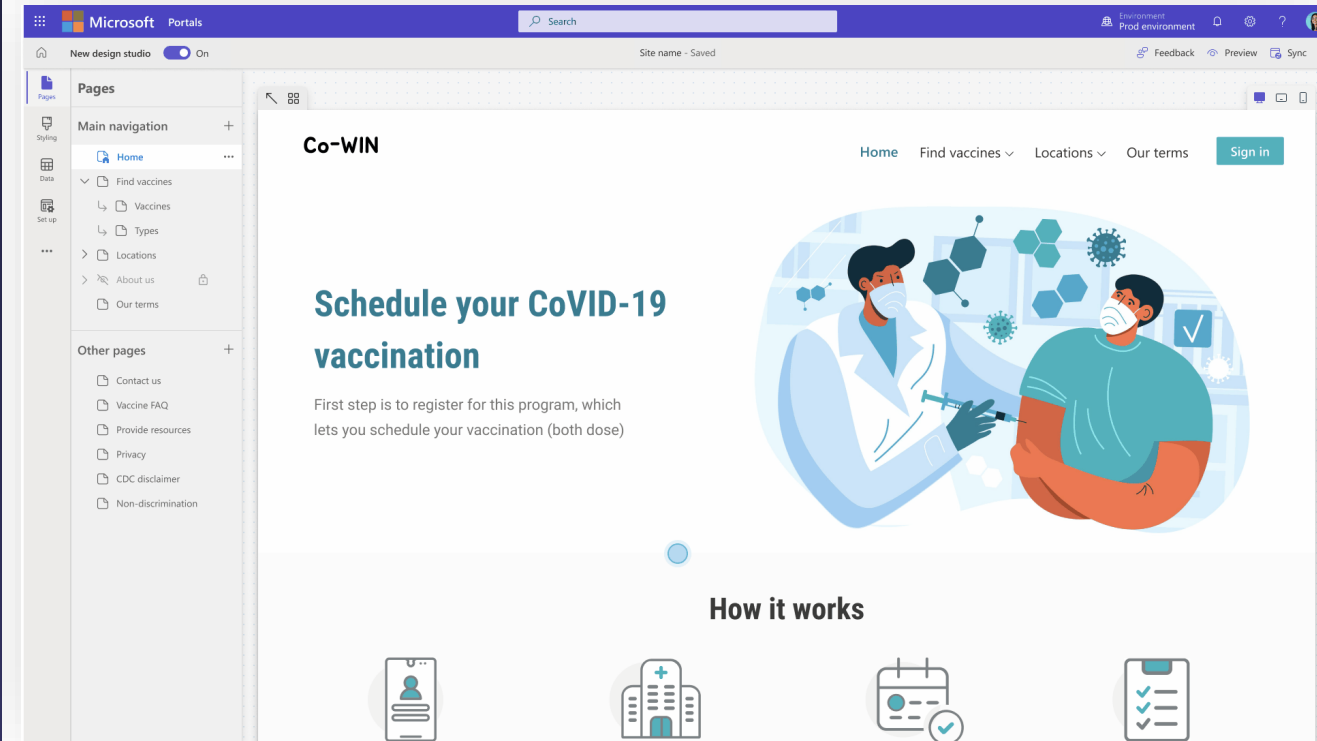
- Quick and easy Get Started Experience. Use a prebuilt template or create your own website using blank (starter template)
- Use bootstrap themes to create beautiful responsive sites that work on every surface
- Supports 45 base Dataverse languages, including language variations (like English(UK), French(Canadian) 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.

The screenshot displays the Azure AD B2C management console and the user interface. The top section shows the 'Identity providers' configuration page, which lists various providers and their status.

Provider name	Provider type	Status
Local sign in	Local sign in	Enabled
Azure Active Directory	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

The bottom section shows the user interface for 'Contoso Ltd'. It includes a navigation bar with links for Home, Services, About us, Feedbacks, and Sign in. Below the navigation bar, there are tabs for Sign in, Register, and Redeem invitation. The 'Sign in' tab is active, showing a 'Local SignIn' section with fields for User name and Password, and a 'Remember Me' checkbox. To the right, there is an 'External SignIn' section with buttons for Facebook, Azure AD, and Azure AD B2C. A 'Sign in' button and a 'Forgot your password?' link are also present.

Copyright © 2020. All rights reserved.



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

The image displays two overlapping screenshots of the Contoso Ltd user interface, illustrating the profile management and security model.

Top Screenshot: Manage External Authentication

- Header:** Contoso Ltd logo, navigation links (Home, Services, About us, Feedbacks), search icon, and user name (Sandeep Dhanrajani).
- Breadcrumbs:** Home > Profile > Manage External Authentication
- Page Title:** Manage External Authentication
- User Profile:** Sandeep Dhanrajani (with a placeholder profile picture).
- Authentication Providers:** A list showing "Azure AD" as a linked identity provider.
- Left Sidebar:** Navigation menu with links: Profile, Security, Set password, Change Email, and Manage External Authentication (highlighted).
- Footer:** Copyright © 2020. All rights reserved.

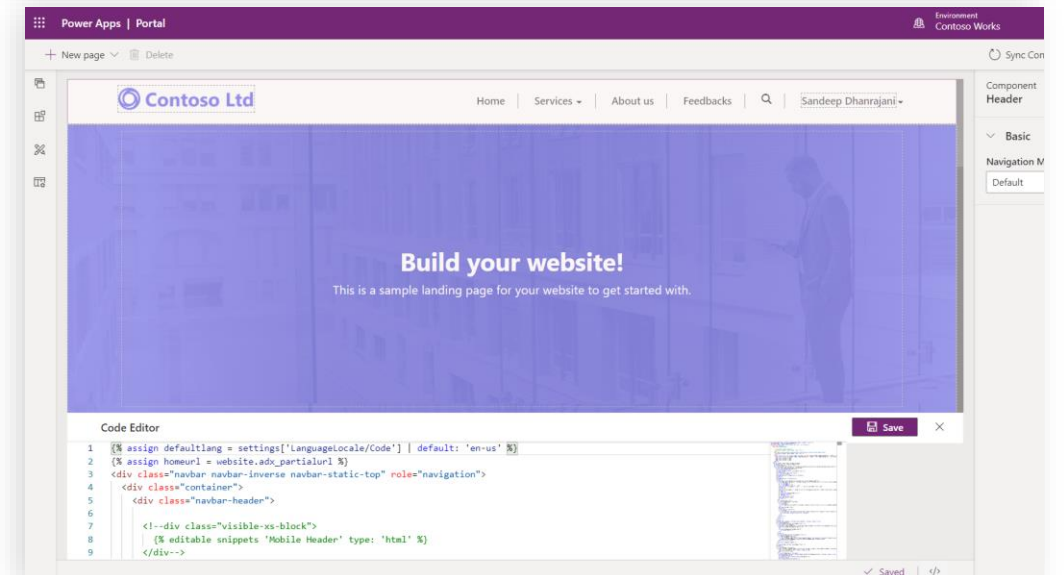
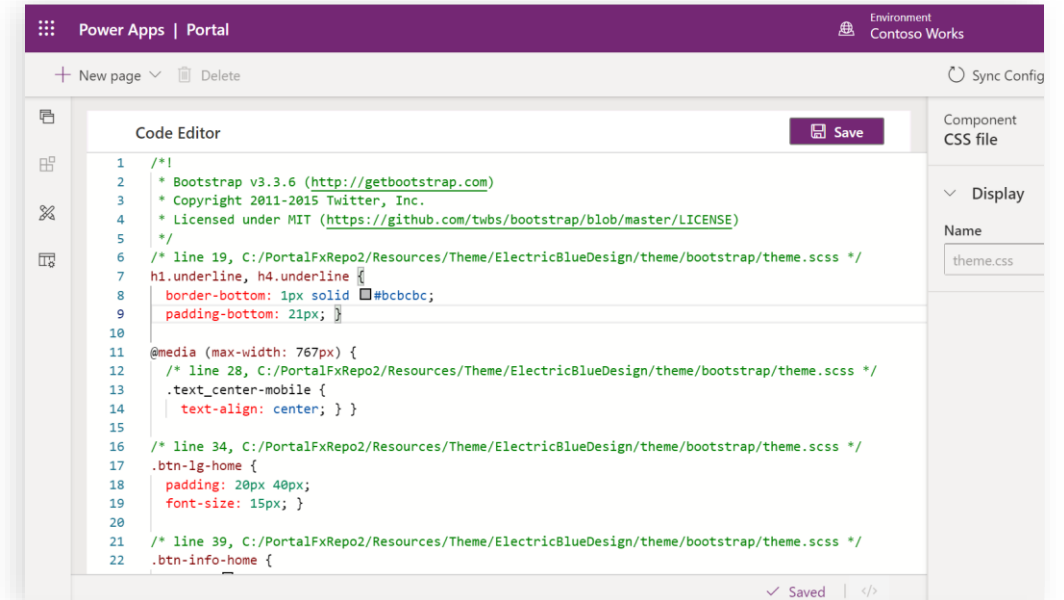
Bottom Screenshot: Profile

- Header:** Contoso Ltd logo, navigation links, search icon, and user name (Sandeep Dhanrajani).
- Breadcrumbs:** Home > Profile
- Page Title:** Profile
- User Profile:** Sandeep Dhanrajani (with a placeholder profile picture).
- Left Sidebar:** Navigation menu with links: Profile, Security, Set password, Change Email, and Manage External Authentication.
- Right Content Area:**
 - Instructions:** "Please provide some information about yourself. The **First Name** and **Last Name** you provide will be displayed alongside any comments, forum posts, or ideas you make on the site. The **Email Address** and **Phone** number will not be displayed on the site. Your **Organization** and **Title** are optional. They will be displayed with your comments and forum posts."
 - Confirmation:** "Your email requires confirmation" with a "Confirm Email" button.
 - Your Information:** A form with the following fields:
 - First Name ***: Sandeep
 - Last Name ***: Dhanrajani
 - E-mail**: sandeep@contosoworks.com
 - Business Phone**: +999999999
 - Organization Name**: Microsoft
 - Title**: Sr. Program Manager
 - Nickname**: (empty)
 - Web Site**: (empty)



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.

The screenshot displays the Contoso, Ltd. website. The top navigation bar includes links for Home, Blogs, Forums, Ideas, Knowledge Base, Support, and a search icon, along with language and sign-in options. The main header features the 'CONTOSO COMMUNITY' logo. Below this, a dashboard is visible with a 'Store Sales Overview' section containing a pie chart and a bar chart. To the right, there's a 'Popular Topics' section with 'Most Recent Articles' listing 'Booking Travel', 'Damaged or Defective Products', and 'Delivery Never Arrived'. The bottom part of the image shows a support case page for 'Product damaged during shipment CAS-01239-F9N7V2'. The page includes a 'Case Number' field, 'Case Documents' section with a table of supporting documents, and buttons for 'Add Files' and 'New Folder'.

Name	Modified
Supporting Documents	about 11 hours ago
Product screenshot 1.bmp (1 KB)	about 11 hours ago
Product screenshot 2.bmp (1 KB)	about 11 hours ago
Product screenshot 3.bmp (1 KB)	about 11 hours ago

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