

Power Pages Evolution

Dynamics 365 FastTrack
Architecture Insights

Avinash Kumar Mishra
Anand Singh



Agenda

-
- Timeline
 - Evolution on key themes
 - License



Timeline

Adx Studios Portals (3rd Party ISV Solution)



2000s

- A third-party web portal solution built on Microsoft Dynamics CRM.
- Adxstudio Portals has its own native content management and other system-built capabilities.
- The last version release for Adxstudio was 7



Acquired by Microsoft Dynamics 365 Portals



2016

- 2018 end of life for Adxstudio portal
- One-time full source code of latest solution released by Microsoft v8.3
- Introduces to support the Transport Layer Security requirement



Power Apps Portal



2019

- Ability to deploy Starter Template on Dataverse, without Dynamics 365
- Introduction of Portal Studio.



Power Pages



2022

- A new standalone product in Power Platform
- Extends far beyond portals capabilities.
- Exciting new esthetic features

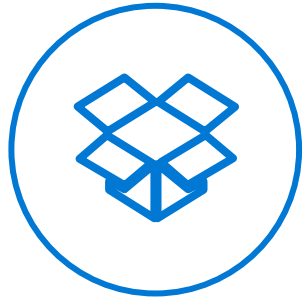


Evolution on key themes



Key Themes

Low code/no Code Experiences



- Empowering Citizen developers to do more by making simple things simpler.
- Additional components and configuration support in Studio
- Security Configuration

Pro-Dev Experiences



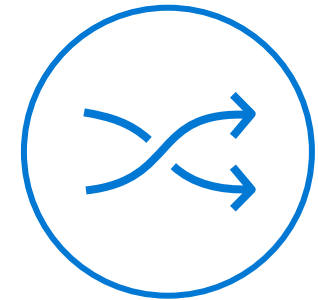
- Empowering pro devs to do more with Portals utilizing familiar patterns and tools
- Support for Power Apps Command Line Interface and VS Code Plugin – Developer Productivity , CI / CD scenarios
- Portal Web API Enhancements
- PCF Support in Portals

One Microsoft



- Use the power of Power Platform /Azure/M365 capabilities to enhance user experience.
- Power Virtual Agent as a Portal Component
- Enhancements to Power BI integration
- Portal + Azure App gateway Integration (WAF)

Admin and Governance



- Providing better visibility and tools to Admins to govern portals effectively.
- Improved governance for enterprises administer and govern portal and COE
- Improve Portal Capacity Consumption Reports
- Portal Solution Upgrades through PPAC



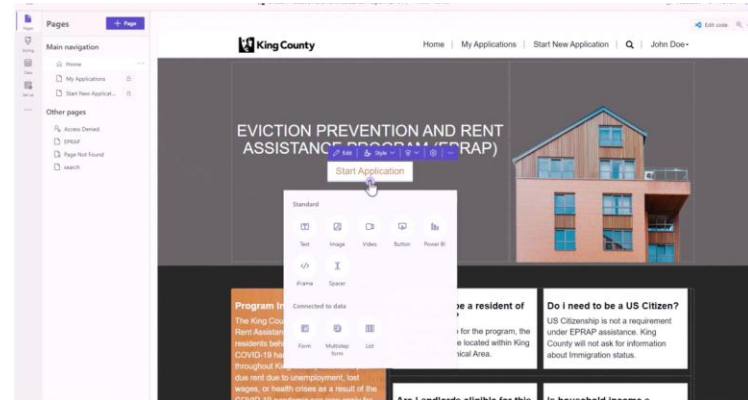
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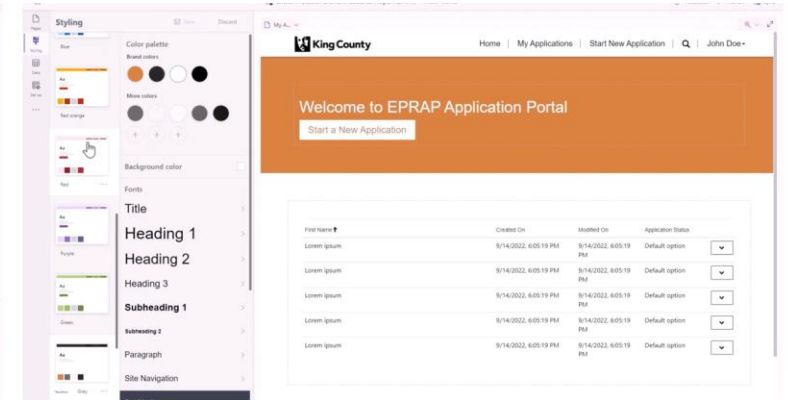


Reimagined Design Studio

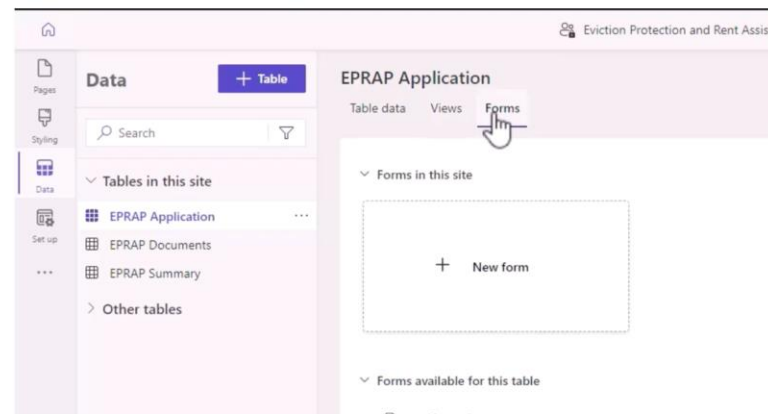
- Simplified experience, to create and customize a website
- Use the Pages, Styling, Data, and Setup workspaces to customize many aspects of your website within a single interface
- Features not available in the Power Pages design studio
 - Web template code editing
 - Breadcrumbs
 - Custom menus
 - Content editing snippet



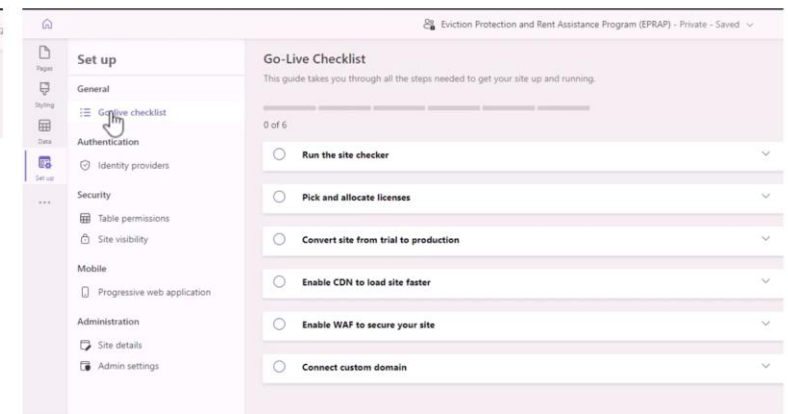
Pages workspace



Styling workspace



Data workspace



Setup workspace

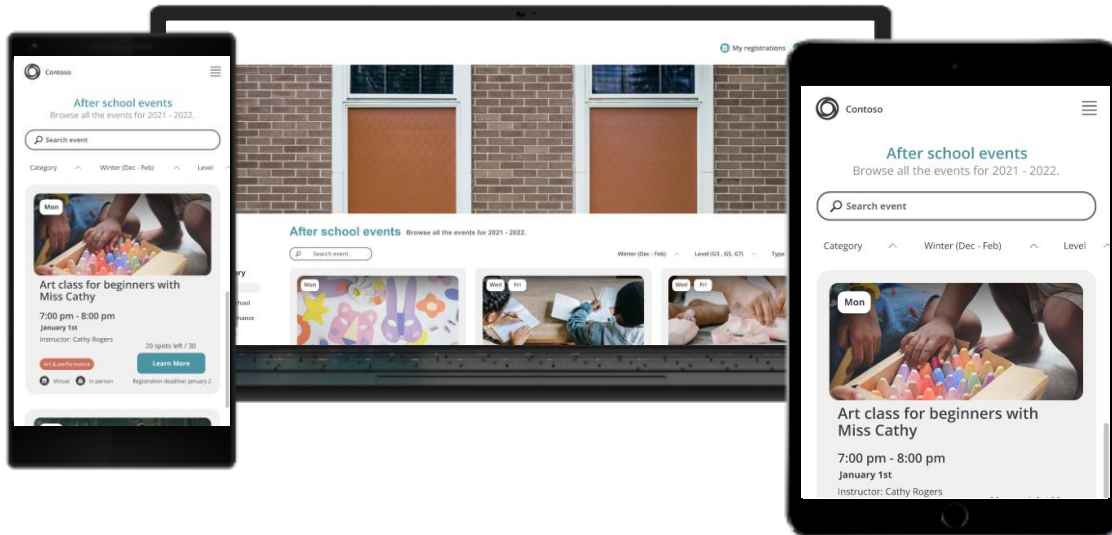


Power Pages: Enable to build for low-code maker

Enables to design and build webpages with in-context editing and add content with no-code and low-code.

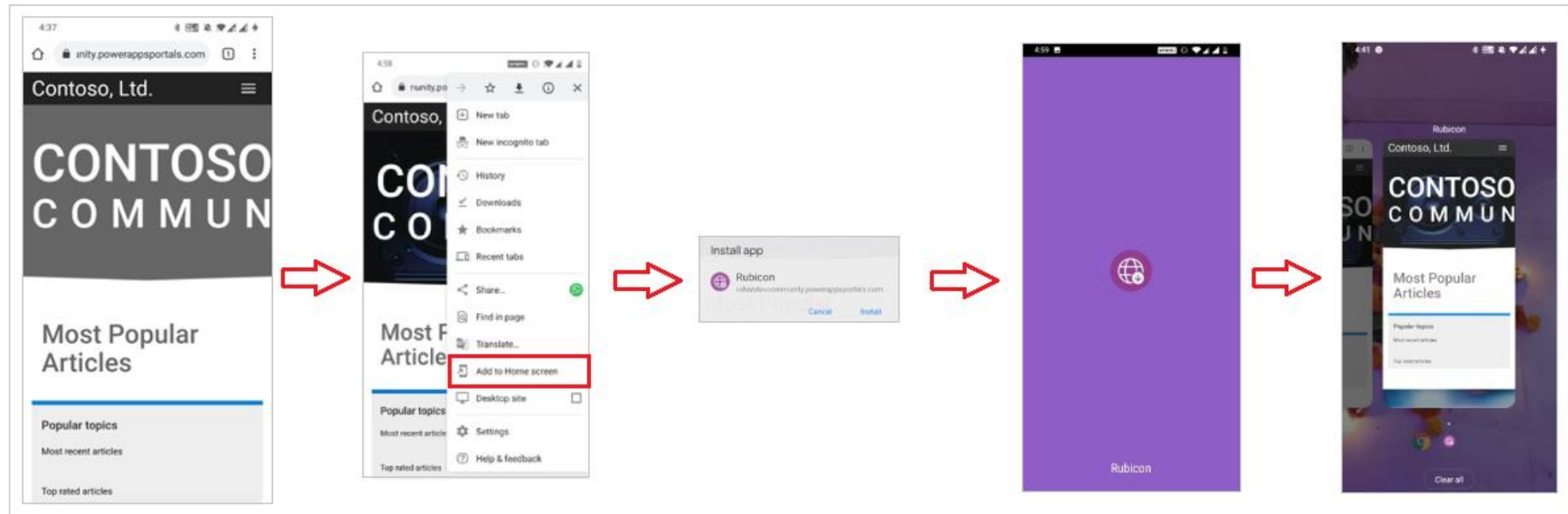
New capabilities only available in Power Pages design studio –

- Videos & Images
- Buttons, Spacers & Text
- Basic forms & Multistep forms



Progressive Web Apps

- Enable site as a progressive web app (PWA), with native app-like look and feel.
- These apps can be installed from the browser or through app stores. This capability enables external and internal customers to use a portal as an app.
- Multi-platform supported app, which works on all platforms (Android/iOS/Windows/Chrome) and all form factors (mobile/desktop/tablet).
- PWA offers support for a smooth navigation experience when the device being used is offline or disconnected from the internet.



Pro-Dev Experiences

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Best-in-class Pro-dev tooling

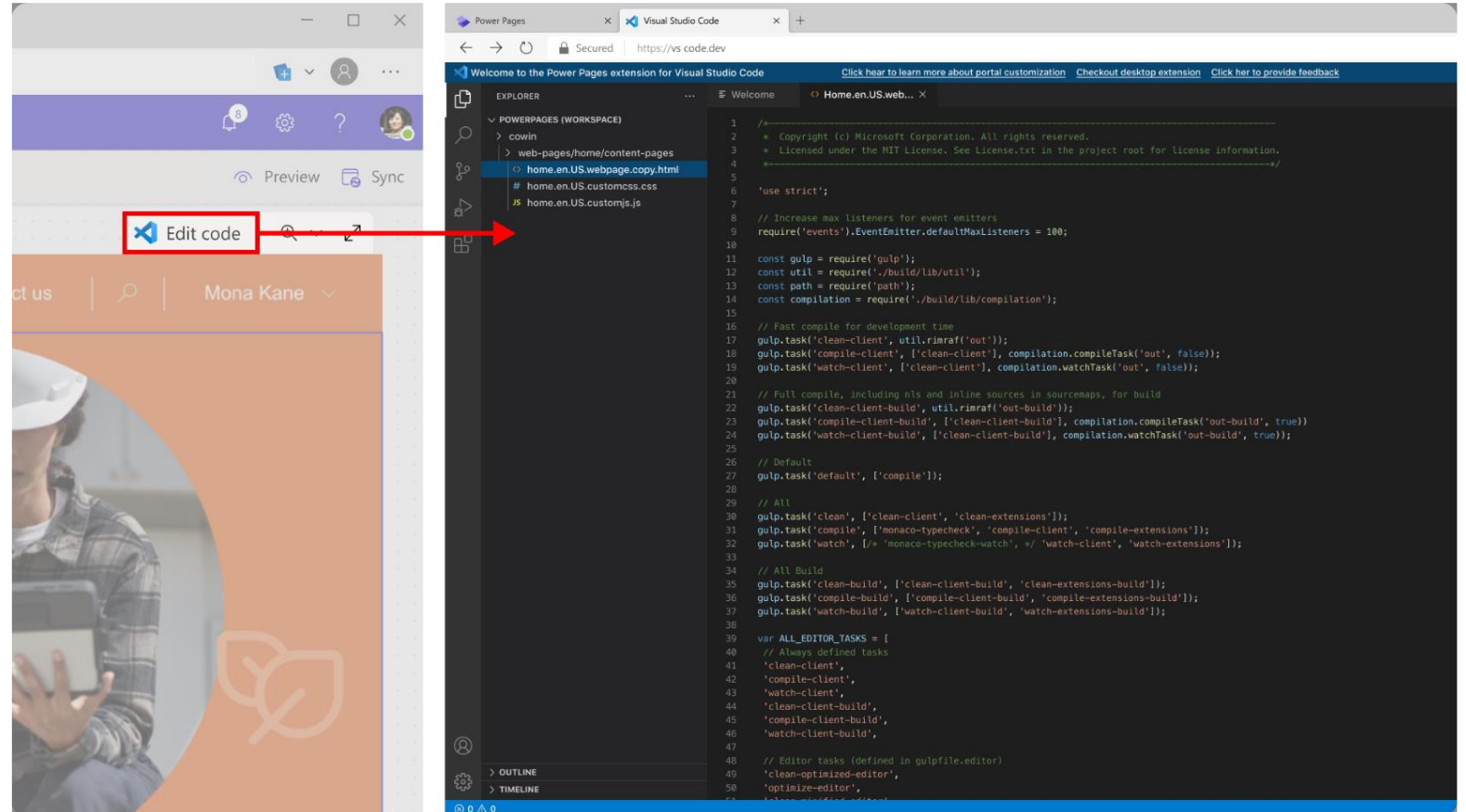
VS Code Web

VS Code

Github

Azure Dev Ops

- Best in class pro-dev tooling to extend and customize.
- Inline code editor
- VS Code extension
 - Download or Upload Content
 - Built-in Liquid language IntelliSense
 - Live preview
- DevOps and ALM with GitHub and Azure DevOps.
- Enabling fusion teams with full round trip from pro code in VS Code to low code in Design Studio.



Web API Support

- The portals Web API enables building a richer user experience inside Power Pages. You can use Web API to perform Create, Update, and Delete operations across all Microsoft Dataverse tables from your portal pages.
- Portals Web API operations are limited to tables related to data—for example, accounts, contacts, or your custom tables. Configuring table metadata or portal configuration table data— isn't supported with the portals Web API
- Using the portals Web API to integrate with other Power Pages sites is also not supported

The screenshot displays two overlapping 'New Site Setting' forms. The top form is in the 'General' tab and shows the following fields:

Field	Value
Name	Webapi/contact/enabled
Website	Starter Portal
Value	true

Below the fields are buttons for 'Save', 'Save & Close', 'New', and 'Flow'. The bottom form is also in the 'General' tab and shows the following fields:

Field	Value
Name	Webapi/contact/fields
Website	Starter Portal
Value	firstname,lastname,fullname,emailaddress1,t
Description	---

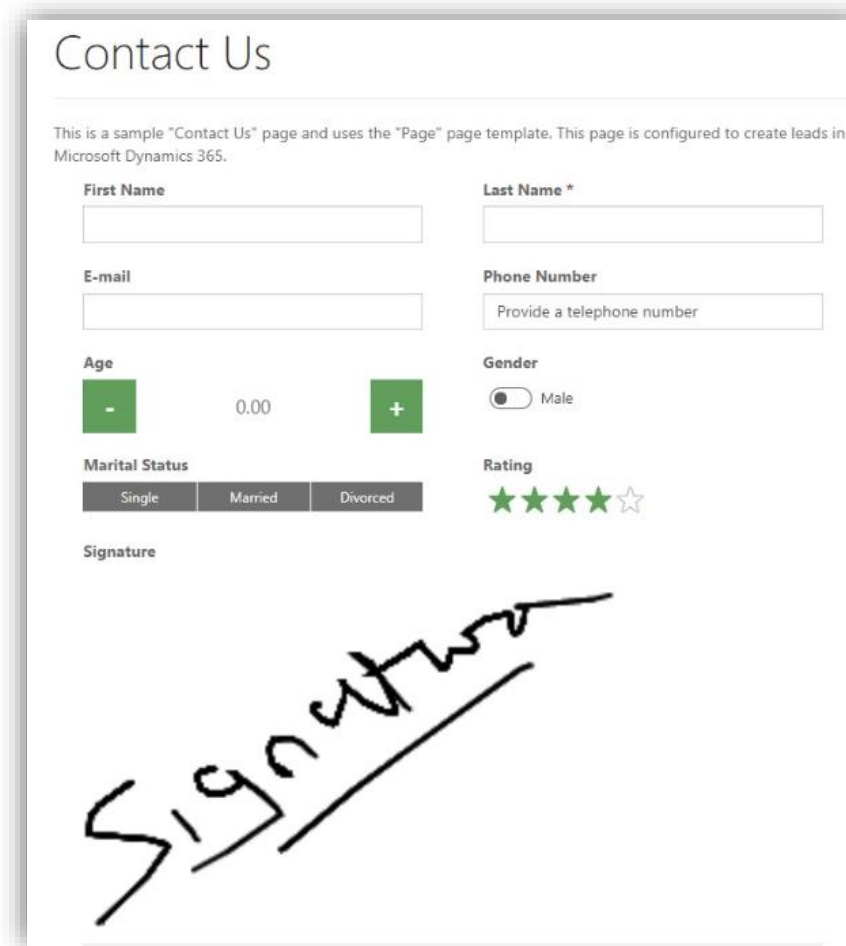
Use code components in Power Pages

Field components on forms

Dataset code components

Liquid template tag for code components

Configure the rich text editor control



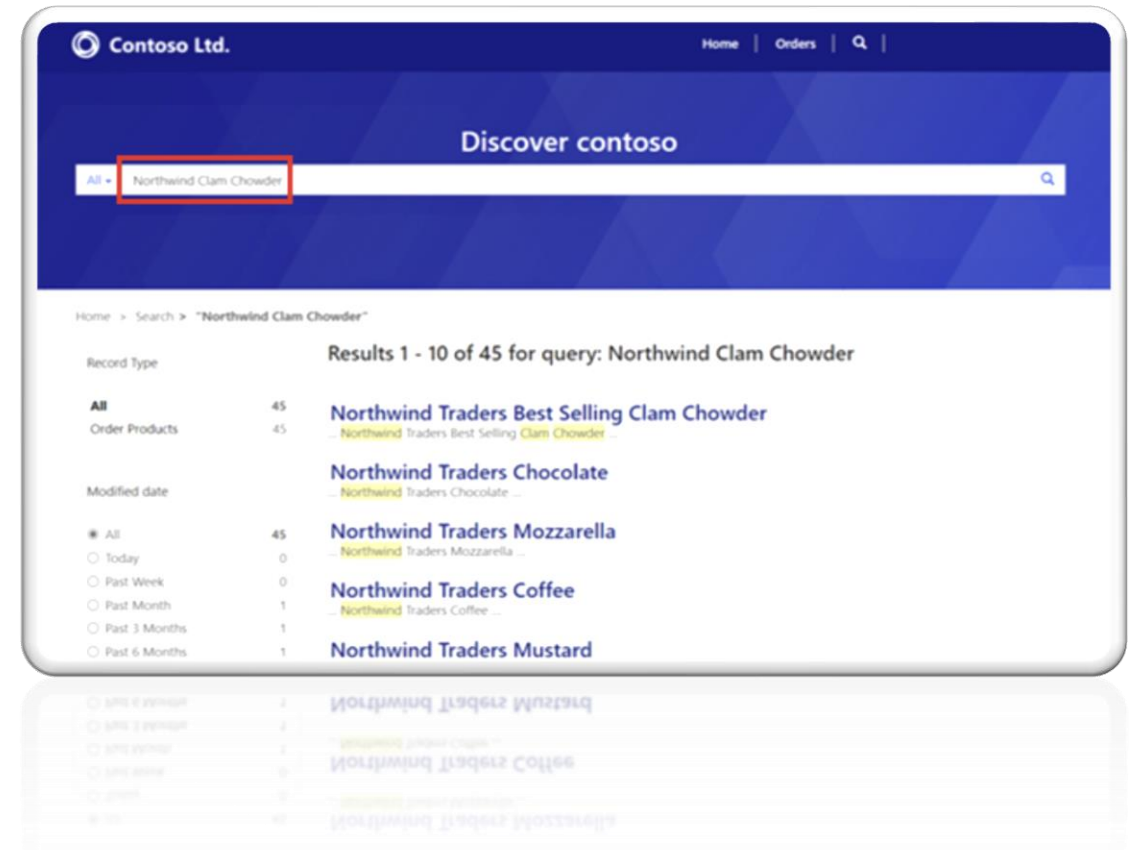
The screenshot shows a 'Contact Us' form with the following fields and controls:

- First Name**: Text input field.
- Last Name ***: Text input field.
- E-mail**: Text input field.
- Phone Number**: Text input field with placeholder text 'Provide a telephone number'.
- Age**: A numeric input field with a value of '0.00', flanked by green buttons with '-' and '+' signs.
- Gender**: A radio button control with 'Male' selected.
- Marital Status**: A set of three buttons: 'Single' (selected), 'Married', and 'Divorced'.
- Rating**: A five-star rating system with four green stars and one empty star.
- Signature**: A rich text editor control displaying a handwritten signature.



Dataverse search in pages

- Leverage Dataverse search, the same search service used in model-driven apps and other Microsoft Power Platform services built on Microsoft Dataverse.
- Related fields defined in the Portal Search view as a filter column or view column aren't supported by Dataverse search and will be ignored.
- The filter parameter in the searchindex Liquid object won't filter search results



What's coming



Ability to invoke power
automate



Custom API\action support





One Microsoft

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One Microsoft

Document management capabilities of SharePoint and Azure Blob storage

Seamless integration with Power BI visualization, Dashboard & report

Ability to add Power Virtual Agents as component and control its visibility for a specific page

Use Azure Front Door with Power Pages to use its edge caching and web application firewall (WAF) capabilities

Embed a portal in another website by using an iframe

Integrate with Azure AD B2C as Identity provider

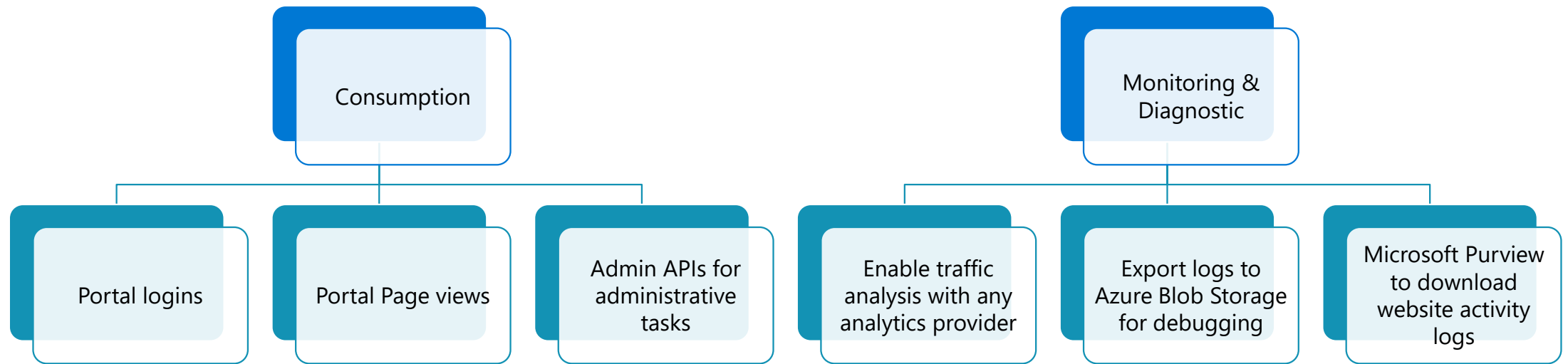


Admin and Governance

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Administration



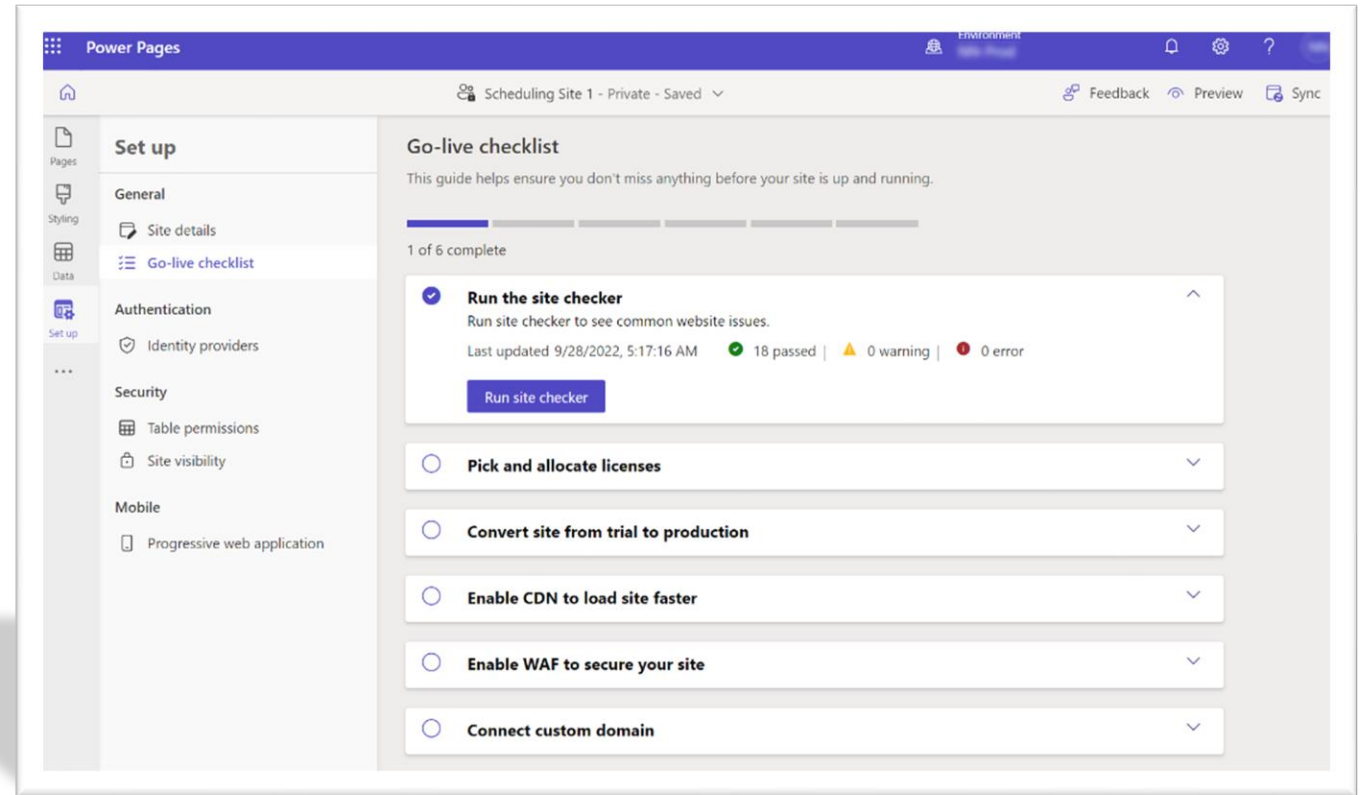
Security & Scalability

- Role-based access control (RBAC) to provide control over data access
- Site Visibility
 - Public vs Private
 - Control Portal visibility at user level
- Restrict Portal access based on IP ranges
- Inbuilt Web Application Firewall providing protection
- Real time load based autoscaling providing scalability with volume.
- Inbuilt CDN utilizing massively scalable Microsoft private global network.
- Built in DR and HA capabilities to ensure business continuity.



Go-live checklist

Use the Go-live checklist guide to ensure you don't miss anything before your site is up and running.



Licensing Journey



Licensing Journey

Dynamics 365 Portals

- Fixed price of \$500 per month up to 1M Views
- Internal users required Dynamics license
- Additional page views can be procured at \$50 for 500k page views
- 1 free addon Portal license with given along Production portal instance
- Ability to create trial instance

Power Pages

- Tier based licensing model for easier predictability and better price to value for both unauthenticated & authenticated users.
- Login capacity for internal Users
- **PAYUG** licensing introduced

2016

Oct ' 2016

Oct '2019

OCT'22

CRM Online Portal

- Fixed price of \$500 per month up to 1M Views
- Internal users required Dynamics license
- Additional page views can be procured at \$50 for 500k page views
- Additional Portal needs to be procured for Dev & test scenarios

Power Apps portals

- Moved away from fixed price to capacity-based licensing
- Page view & Logins capacity required for unauthenticated & authenticated external users
- Dynamics or Power Apps user licenses for internal users
- Unlimited trial instances in an environment



Power Pages vs Power Apps portals

[Difference between Power Pages and Power Apps portals | Microsoft Docs](#)


Power Pages is an evolution of [Power Apps portals](#). It's built on the Power Apps portals platform used by thousands of customers today.



Power Pages is a superset of Power Apps portals.



Current customers of Power Apps portals don't need to upgrade or migrate their running portals.



Customers and partners who are building solutions on top of Power Apps portals shouldn't stop or cancel their projects.



Thank you

