

Power Pages: The ultimate beginners guide!



directions vienna
emea 2024

Nick Doelman

- Independent Power Platform Specialist
- Microsoft MVP
- Microsoft Certified Trainer (MCT)
- Competitive Powerlifter (Team Canada)
- Podcast host – Power Platform BOOST!

📍 Ottawa, Canada

📞 @readyxrm

✉️ nick@readybms.com

🌐 <https://www.linkedin.com/in/nickdoelman/>



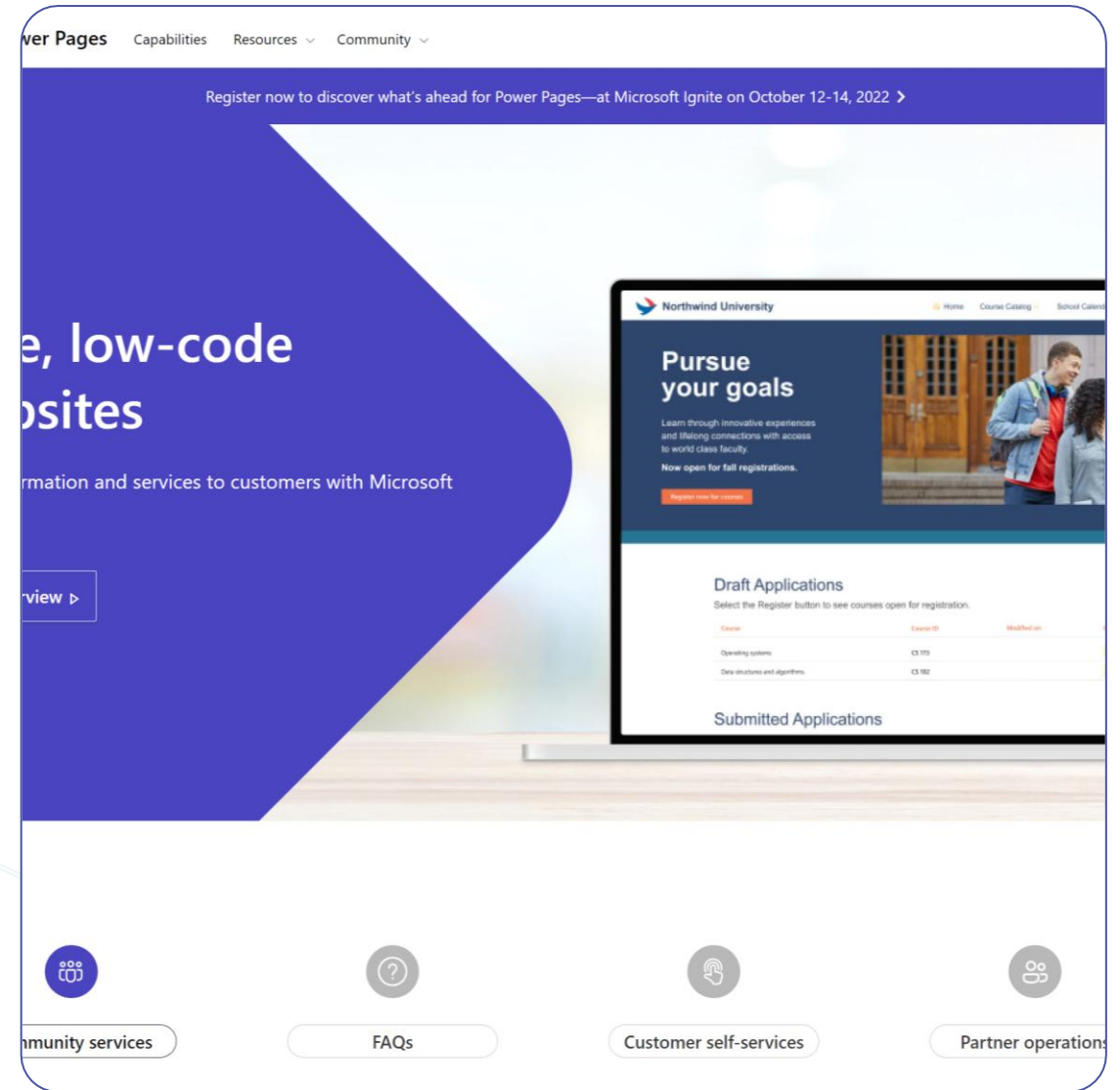
Agenda

What are Power Pages?

Demo: build a simple website

- Provision a website
- Design, build, style a page
- Add data
- Security
- Allow users to view only their data
- A touch of Copilot

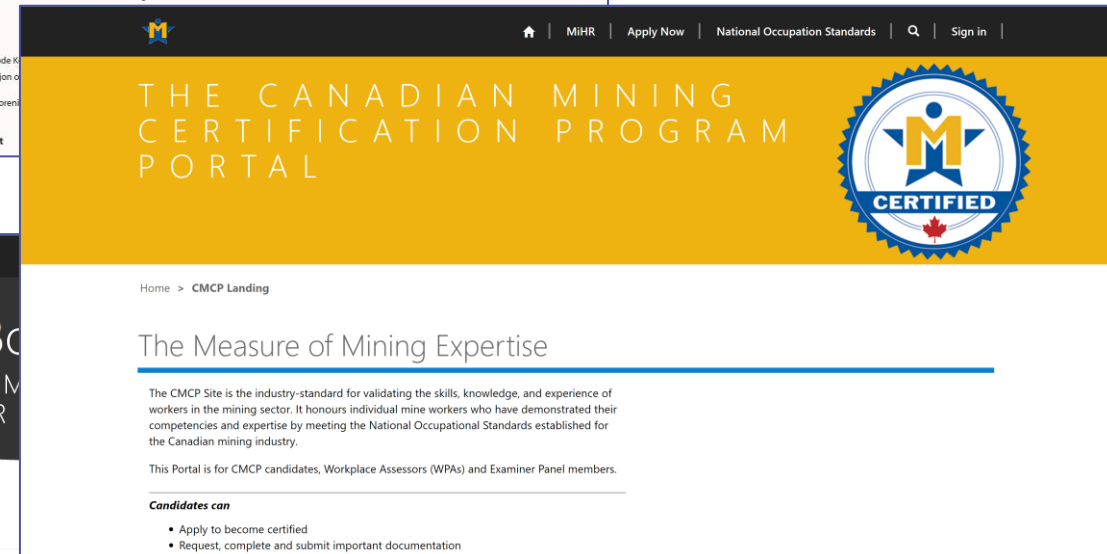
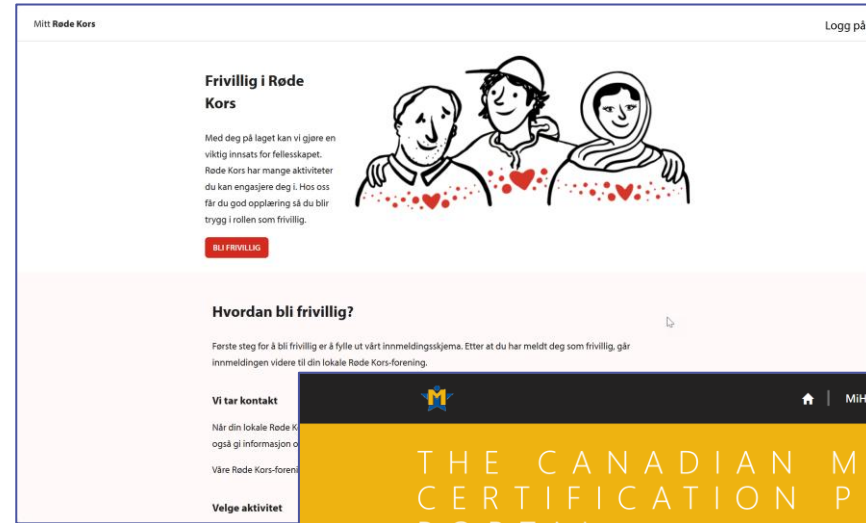
Questions?



What are Power Pages?

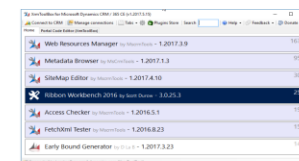
- Platform to build websites, web applications and mobile apps
- **It IS Power Apps portals**
- Suite of tools and templates
- Allows external stakeholders to interact (create, read, update, delete) data in Dataverse
- Can be component in an overall business application or standalone

directions vienna
emea 2024



What is XrmToolBox?

XrmToolBox is a Windows application that connects to Microsoft Dataverse. Dynamics 365 Customer Engagement (CE) applications, like Dynamics 365 for Sales, Service or Talent also use Microsoft Dataverse as their foundational data service. XrmToolBox, provides tools to ease customization, configuration and operation tasks for anything built on Microsoft Dataverse, including Dynamics 365 CE (formerly CRM) and model-driven PowerApps. It is shipped with more than 30 tools to make administration, customization or configuration tasks easier and less time consuming. And more than

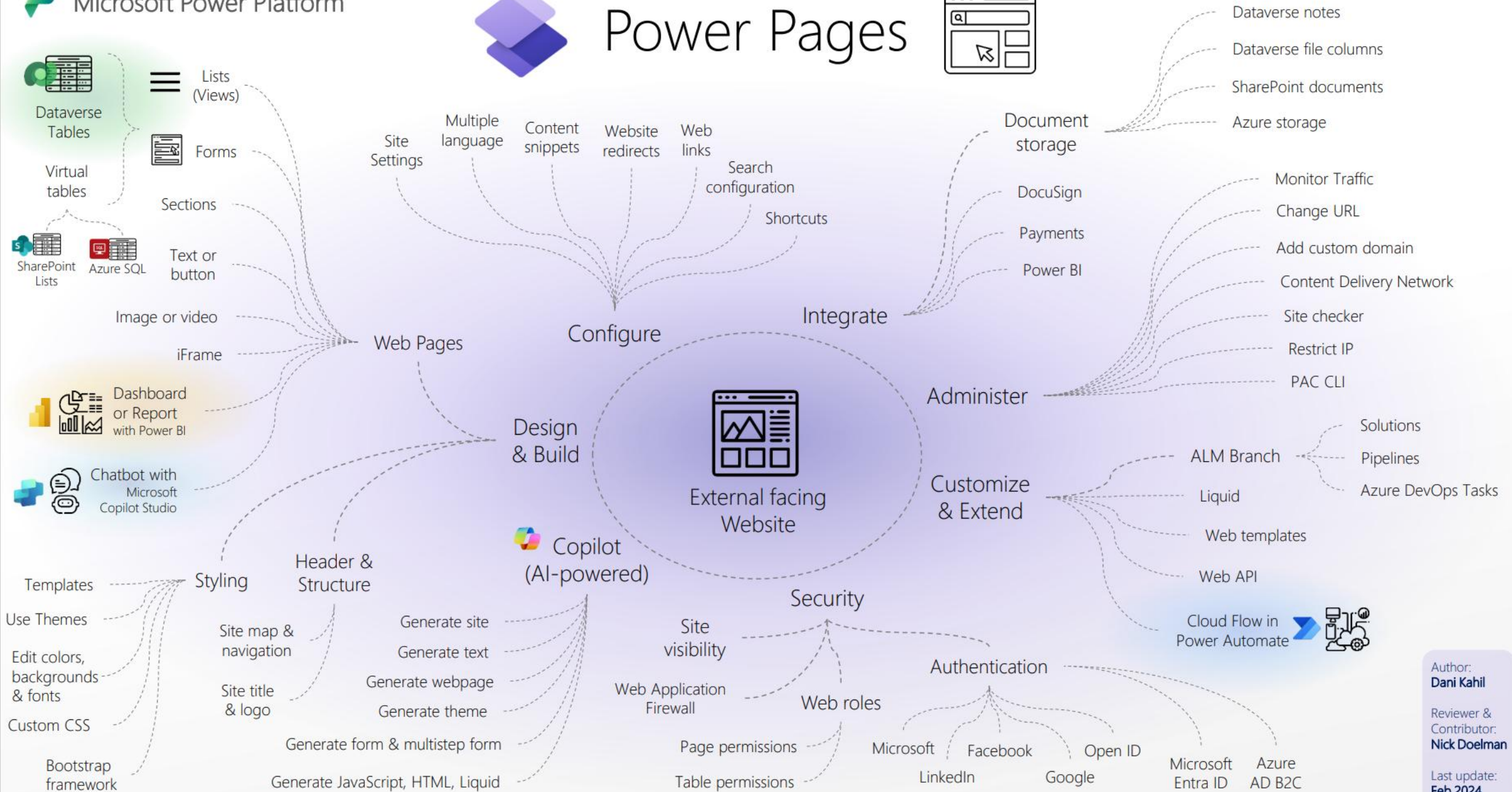




Microsoft Power Platform



Power Pages



Power Pages runs on Dataverse!

Site metadata is stored in Dataverse.

Page components and pro-dev features access business data stored in Dataverse.

Dataverse model-driven app forms & views used as foundation for page forms and lists.

Dataverse contacts = site users

Can extend sites with other Dataverse capabilities like plug-ins, SharePoint integration and others.

SharePoint Lists, Azure SQL tables and other data sources can be accessed via virtual tables

Can call Power Automate flows

DocuSign and Stripe integrations (preview)



Power Pages design studio

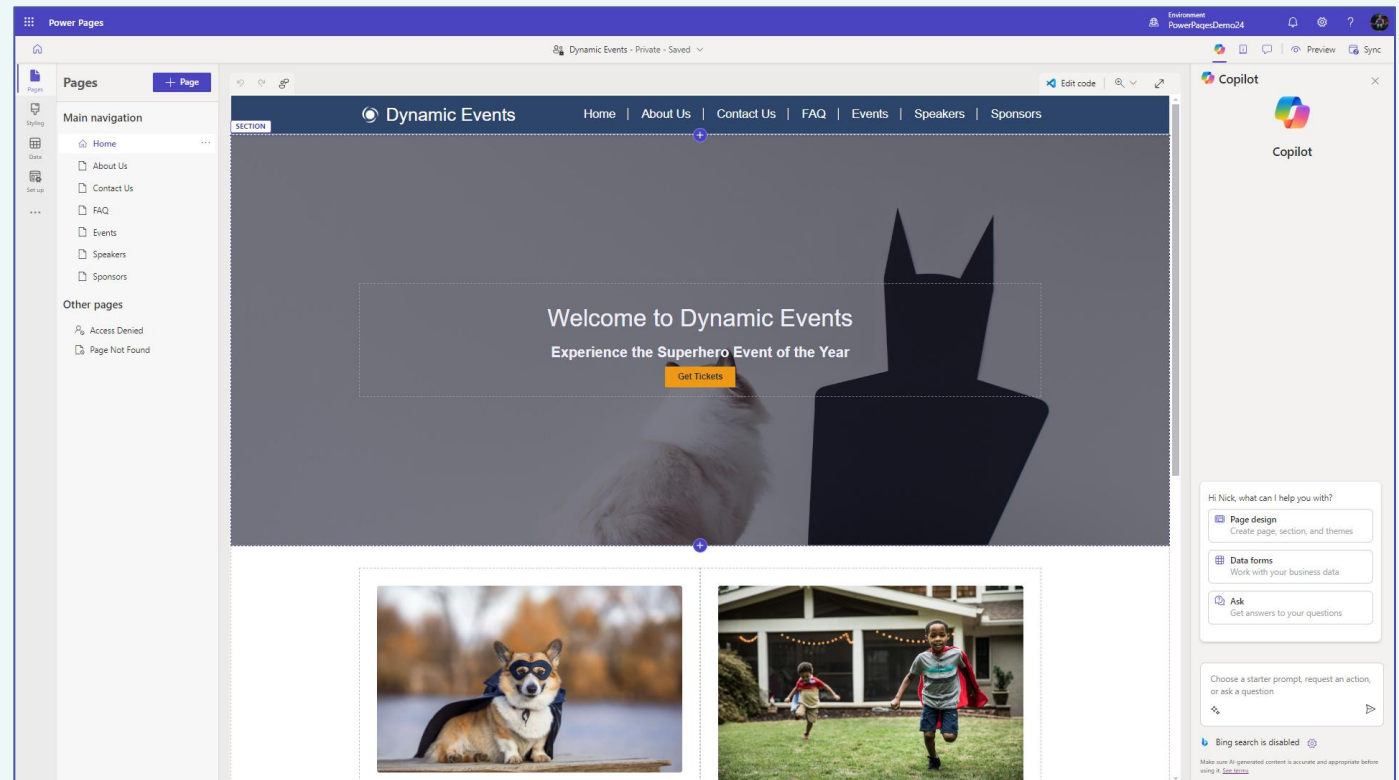
Workspaces:

- Pages workspace
- Styling workspace
- Data workspace
- Setup workspace
- Security workspace

+ Copilots

+ view code in Visual Studio Code web

directions vienna
emea 2024



Power Pages management app

Know this app!

Website metadata stored in Dataverse

App allows deeper customization, not available in design studio

directions vienna
emea 2024

The screenshot displays the 'Power Pages Management' interface. The left sidebar contains navigation options: Home, Recent, Pinned, Website (selected), Websites, Page Templates, Redirects, Site Markers, Site Settings, Settings, Content, Content Snippets, Basic Forms, Lists, Shortcuts, Web Files, Multistep Forms, Web Link Sets, Web Pages, and Web Templates. The main area shows the configuration for a website named 'Dynamic Events'. The 'General' tab is active, displaying fields for Name, Default Language, Parent Website, Primary Domain Name, Header Template, and Footer Template. The 'Supported Languages' section shows a table with columns for Name, Publishing State, and Created On.

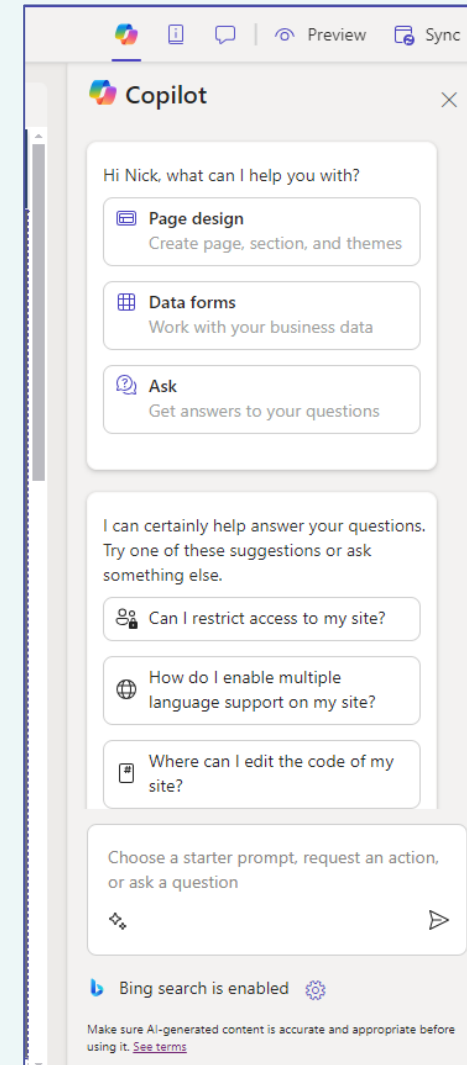
| Name | Publishing State | Created On |
|---------|------------------|------------------|
| English | Published | 5/1/2024 7:20 PM |

Did someone say “Copilot” ?

Power Pages has a number of built in copilots;

- Create a site
- Create a webpage
- Create a form
- Add AI-text
- Add AI-powered chatbot
- Generate answers from public data
- Add AI-generated code
- Copilot FAQs

directions vienna
emea 2024



Remember “Copilot”, not pilot!

Evaluate the content and information generated by Copilot.

Copilot is still learning, like a child, we are amazed at what it can do... but...

Human touch still beats AI generated content (my opinion)

Constantly evolving



Power Pages is pro-developer friendly!

Full pro-developer experience

Well suited to fusion teams

Collaboration experiences

Use tools like Visual Studio code

Create and update portal code (HTML, CSS, Liquid, JavaScript)

ALM capable (solutions, pipelines)

Extend using portal Web API

The screenshot shows the Visual Studio Code interface with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with folders like 'category-topic', 'child-navigation', 'default-studio-template', 'edit-sessions', 'faceted-search---facets-temp...', 'faceted-search---main-templ...', 'faceted-search---paging-tem...', 'faceted-search---results-tem...', 'faceted-search---sort-template', 'footer', 'full-page', 'full-page-without-child-links', and 'header'. The 'header' folder is expanded, showing files like 'Header.webtemplate.source.html' and 'Header.webtemplate.yml'. The code editor displays the content of 'Header.webtemplate.source.html', which is a Liquid template. The code includes a header section with a navigation bar, a skip-to-content link, and a container for the main content. The code is written in HTML with Liquid tags for dynamic content and snippets. The status bar at the bottom indicates the current line and column (Ln 2, Col 1 (45 selected)), the number of spaces (2), the encoding (UTF-8), the line endings (CRLF), and the file type (HTML).

```

1  {% assign defaultlang = settings['LanguageLocale/Code'] | default: 'en-us' %}
2  {% assign homepageurl = website.adx_partialurl %}
3  <div class='navbar navbar-inverse navbar-static-top' role='banner'>
4    <div class='skip-to-content'>
5      <a href='#mainContent'>{{ resx.Skip_To_Content | default: 'Skip to main content' }}</a>
6    </div>
7    <div class='container'>
8      <div class='navbar-header'>
9        <!--
10         div class="visible-xs-block">
11           {% editable snippets 'Mobile Header' type: 'html' %}
12         </div>
13       -->
14       <div class='visible-sm-block visible-md-block visible-lg-block visible-xs-block'>
15         {% editable snippets 'Mobile Header' type: 'html' %}
16       </div>
17       <button type='button' class='navbar-toggle collapsed' title='{{ snippets["Header/Toggle Navigation"] | default: 'Toggle Navigation' }}'>
18         <span class='sr-only'>{{ snippets['Header/Toggle Navigation'] | default: 'Toggle Navigation' }}</span>
19         <span class='icon-bar'></span>
20         <span class='icon-bar'></span>
21         <span class='icon-bar'></span>
22       </button>
23     </div>
24     <div id='navbar' class='navbar-collapse collapse'>

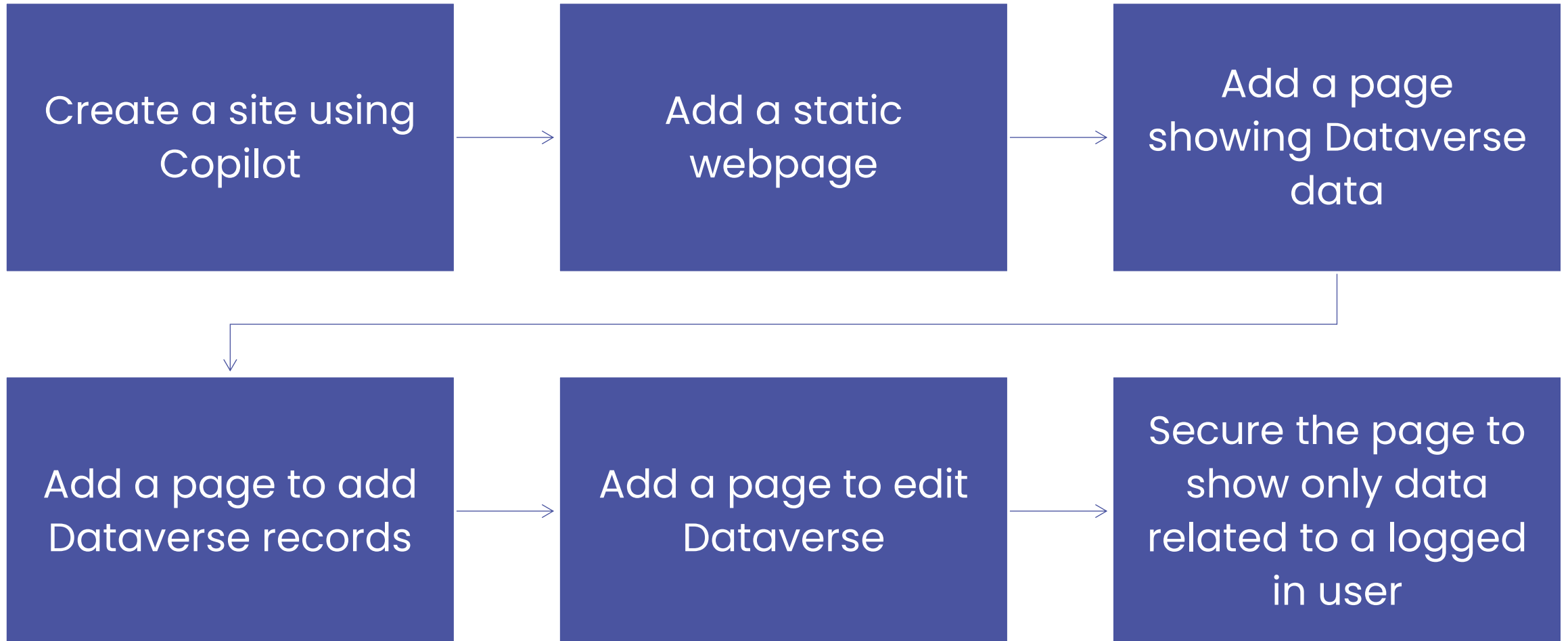
```

directions vienna
emea 2024

DEMO!

Demo scenario: Build an event site!

directions vienna
emea 2024



Demo: Create a site

Go to: make.powerpages.microsoft.com

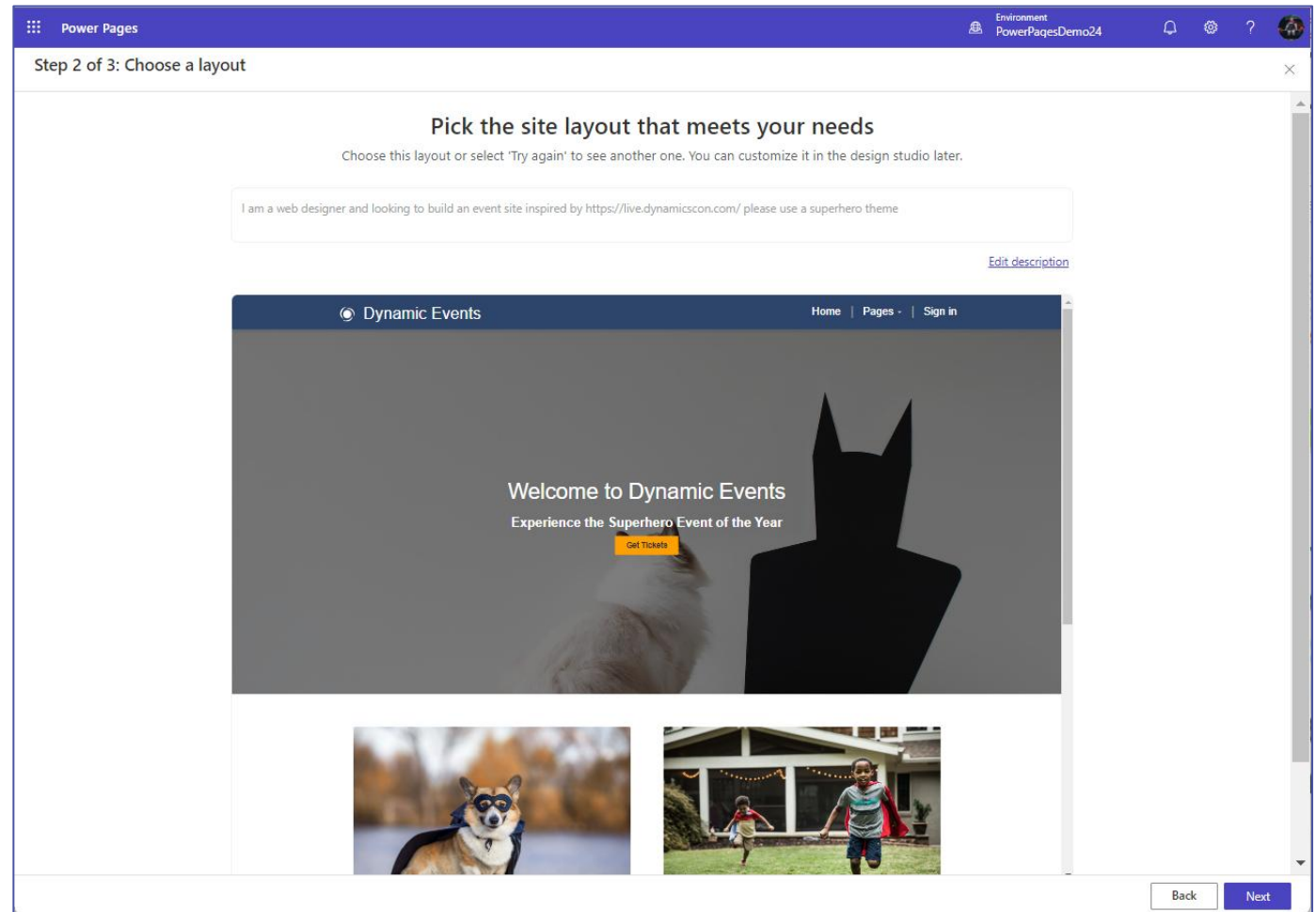
Choose an **environment** (**developer works great!**)

Microsoft Dataverse is required!

Avoid provisioning on production until you are ready!!!

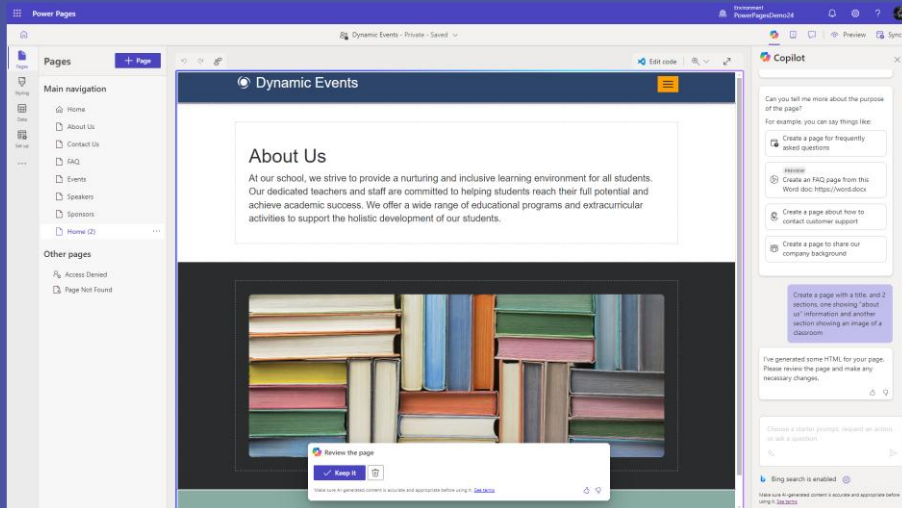
Use copilot, use a template or start from blank

directions vienna
emea 2024



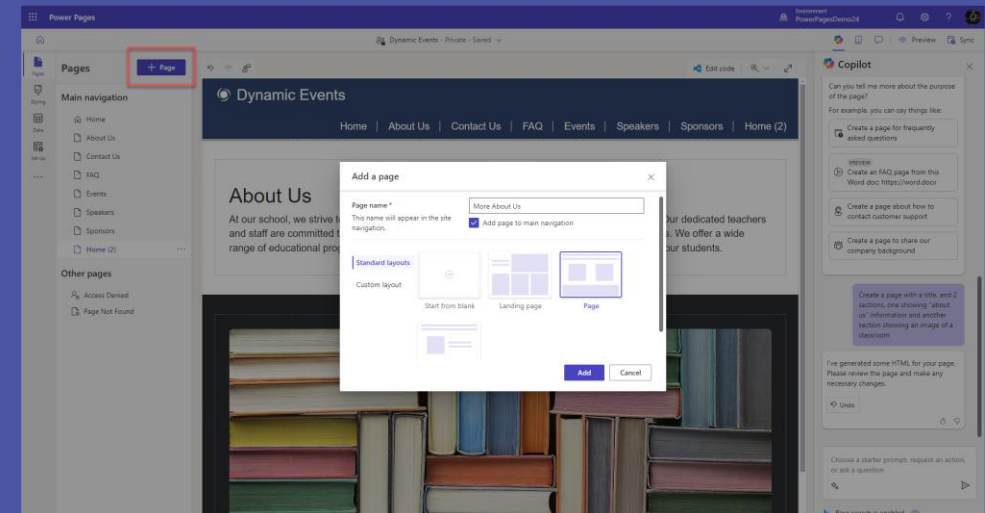
Demo: Add a webpage

Copilot



directions vienna
emea 2024

Manual



Demo: Page with Dataverse records

This site is private: Only specific people can view this site. [Learn more](#) Signed in as Nick D

Dynamic Events

Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions | Nick D

Event Sessions

Website - Sessions | Search

| Session Name | Session Description | Session Date and Time | Duration | Speaker |
|--|--|-----------------------|----------|------------------------|
| Introduction to Power Platform | Learn the basics of Power Platform and its capabilities. | 2023-09-20T10:00:00Z | 30 | Scott Konersr (sample) |
| Power Apps Advanced Features | Explore advanced features of Power Apps for building custom solutions. | 2023-10-05T14:30:00Z | 45 | Nancy Anders (sample) |
| Power BI Data Visualization | Master the art of data visualization with Power BI. | 2023-11-15T09:15:00Z | 60 | Yvonne McKay (sample) |
| Power Automate Workflow Automation | Automate your business processes using Power Automate. | 2023-09-25T11:45:00Z | 30 | Scott Konersr (sample) |
| Power Platform for Business Analysts | Empower business analysts with the Power Platform tools. | 2023-10-12T16:00:00Z | 45 | Nancy Anders (sample) |
| Power Platform Security Best Practices | Ensure the security of your Power Platform applications. | 2023-11-30T13:30:00Z | 60 | Yvonne McKay (sample) |

- Create a view
- Add a page
- Add a list
- Add table permissions
- Preview!

Demo: Add or Edit Dataverse records

Dynamic Events

Home | About Us | Contact Us | FAQ | Events | Speakers | Sponsors | Home (2) | Sessions ▾

Scott Konersmann (sample) ▾

Session Name *

Introduction to Power Platform

Speaker

Scott Konersmann (sample) ✕ 🔍

Session Description

Learn the basics of Power Platform and its capabilities.

Session Date and Time

9/20/2023 6:00 AM 📅

Rating

4

Duration

30 minutes ▾

Sponsor Session

☒ No ☐ Yes


Sponsor Info

Submit

- Create a form
- Add a page
- Add a form
- Add table permissions
- Link to list
- Preview!

Demo: Register user

- Power Pages website users are Dataverse contacts
- Can register as a new user or be invited
- Use external authentication providers!


 Dynamic Events

[Home](#) | [About Us](#) | [Contact Us](#) | [FAQ](#) | [Events](#) | [Speakers](#) | [Sponsors](#) | [Home \(2\)](#) | [Sessions](#) ▾

Scott Konersmann (sample) ▾

[Home](#) > [Profile](#)

Profile

 Scott Konersmann (sample)

[Profile](#)

Security

[Change password](#)

[Change email](#) ⓘ

[Manage external authentication](#)

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.

ⓘ Your email requires confirmation.

[Confirm Email](#)

Your information

First Name *

E-mail

Last Name *

Business Phone

Organization Name

Title

Nickname

Web Site

Public Profile Copy

Other features of Power Pages

All Power Apps portals features are in Power Pages*

Custom web templates and layouts using Liquid markup

Portals web API (pro-dev customization)

Display SharePoint, Power BI, Chatbots

Calendar and Map views

Launch Power Automate flows

Extend Power Platform projects

Call to action!

Create a Power Pages developer site

<https://aka.ms/mpp>

Try the copilots! Build a site!

Join the community!

Learn more here:

<https://learn.microsoft.com/power-pages>

Q&A