



Agenda



- What is Power Pages?
- What are no-code configuration options of Power Pages?
- What is the Power Pages Web API?
- Power Pages Web API security
- DEMO: Build a custom event registration page
- Limitations







What is Power Pages?

Microsoft Power Pages is a low-code platform for web development, aimed at building, hosting, and managing secure business websites that can connect directly and safely with Microsoft Dataverse.

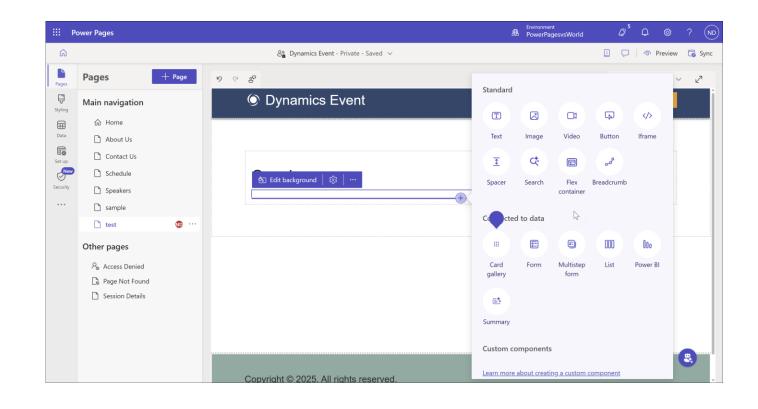




No-code configuration options



- Can add Power Pages list and form components directly connected to Dataverse on web pages.
- Examples:
 - Lists
 - Forms
 - Card Galleries
 - Summaries
 - Etc

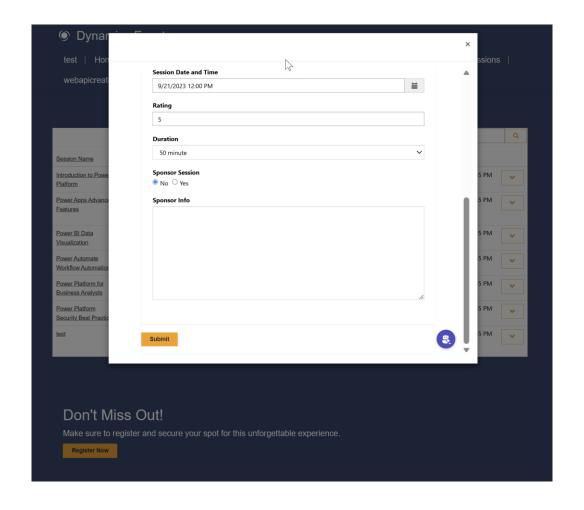




No-code limitations



- UI limitations render data in only prescribed formats (forms, lists, etc) and limited related table viewing
- Record level security, no field level security
- Data updates are via form submission
- Limited interactivity (form submissions, caching)





What is the Power Pages Web API?



- JavaScript-based API for interacting with Dataverse data directly from Power Pages.
- Enables **secure**, **client-side CRUD operations** (Create, Read, Update, Delete) + associate/disassociate.
- Built on top of the **Dataverse Web API**, tailored for Power Pages scenarios.
- Respects Table Permissions and Web Roles for secure data access.
- Ideal for building dynamic, data-driven user experiences in portals.
- Supports lookup fields, option sets, and filtering for complex queries.



Power Pages Web API Security

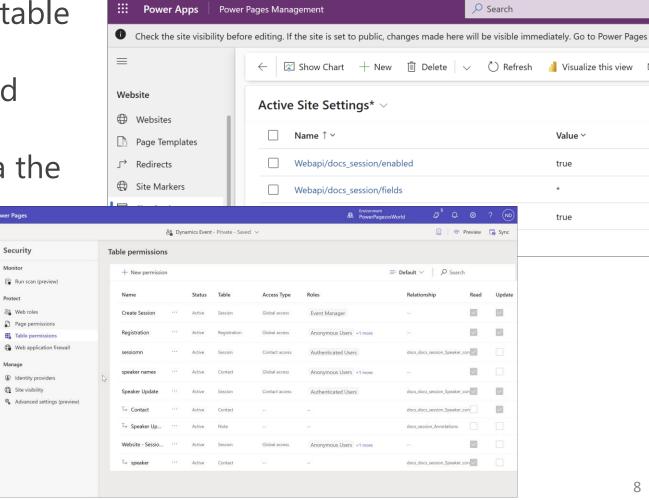


 Based on standard Dataverse table permissions and web roles

 Must also designate tables and fields used in Web API

Can add field level security via the

WebAPI

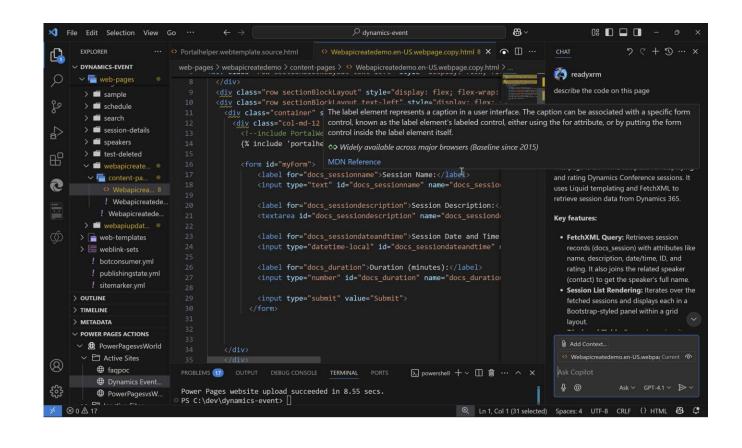




DEMO: Power Pages Web API Setup



- Include the Portal Web API helper
- Configure site settings
- Write code using Visual Studio Code (Desktop can use GitHub Copilot with @powerpages as a participant)

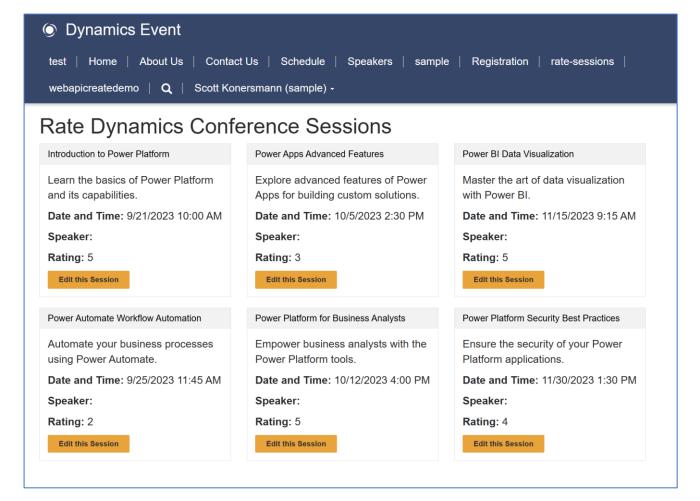




DEMO: Power Pages Vibe Coding



 Create a custom panel layout using GitHub Copilot





DEMO: Power Pages Vibe Coding PROMPT



I am working a Power Pages developer today, therefore I will use liquid (fetchxml filter), html (bootstrap 5), and javascript.

Use this documentation as reference https://learn.microsoft.com/en-us/power-pages/configure/liquid/liquid-overview

Add a bootstrap container.

Add an h1 with title Rate Dynamics Conference Sessions within the container. No additional html is needed.

I am writing site page to list out sessions available within an event in a panel format.

The data structure to use is the docs_session table, with fields: docs_sessionname, docs_sessiondescription, docs_sessiondateandtime, docs_rating

There is a linked entity to contact table through the docs_speaker field, please show the fullname of the related contact using speaker alias

Let's start with just the liquid fetchxml filter to write a query to show sessions sorted by docs_sessiondateandtime

Add a simple html in a for loop to expose the records in individual panels.

create a border around each of the cards and spacing between panels

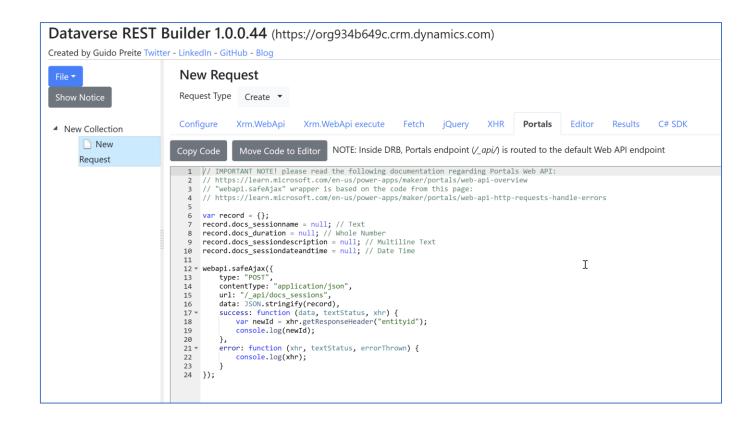
add the | date: 'g' liquid filter to the docs_sessiondateandtime



Building WebAPI query



- Build by hand
- Build using GitHub Copilot
- Build using Dataverse Rest Builder

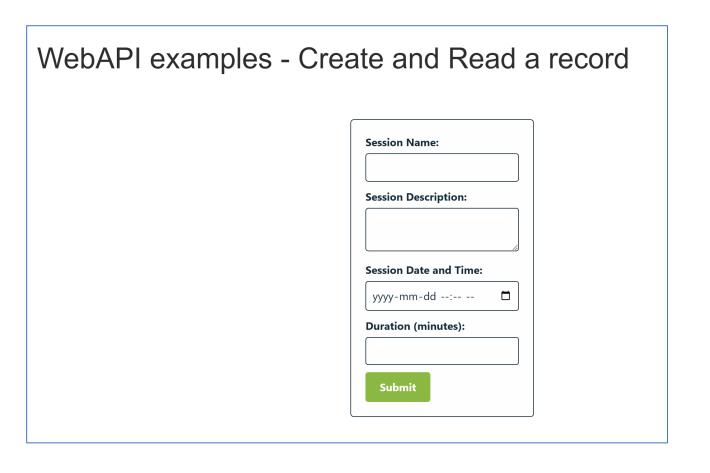




DEMO: Create record and read with WebAPI



- Create HTML form
- Submit new record to WebAPI
- Read the record back

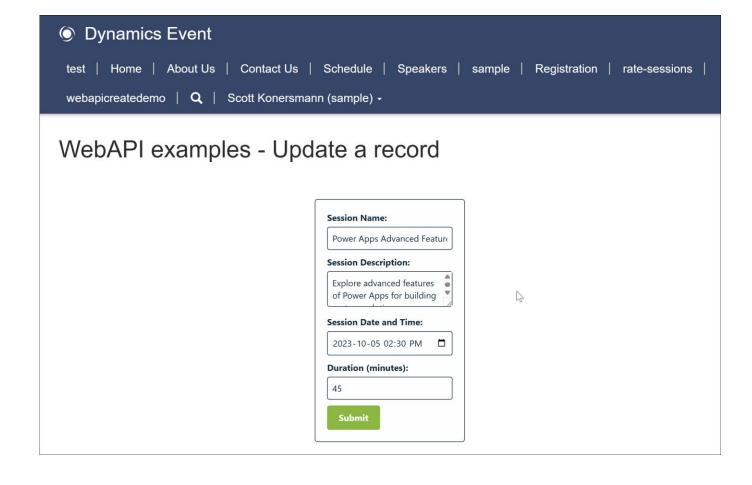




DEMO: Update record with WebAPI



- HTML form
- Update record with WebAPI



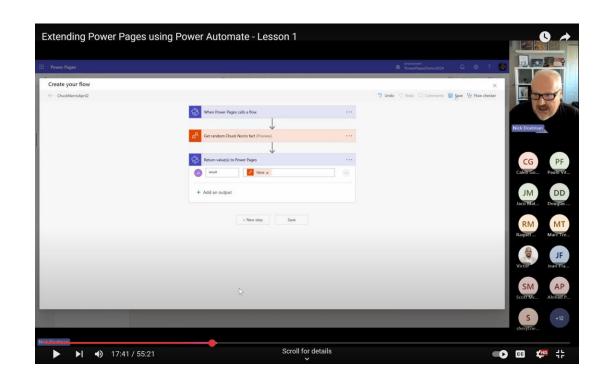


WebAPI: What can't it do?



- Cannot do batch requests
- Cannot call custom actions
- You can use Power Automate

https://www.youtube.com/watch ?v=h5gbsD9dKw4







QUESTIONS?















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THANK YOU!

