

MAPLE POWER 2020

Alternate Portal Solutions
for the **Common Data**
Service

NOVEMBER 21ST, 2020

DATAVERSE

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365.Training

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Alternate Portal Solutions for Microsoft Dataverse

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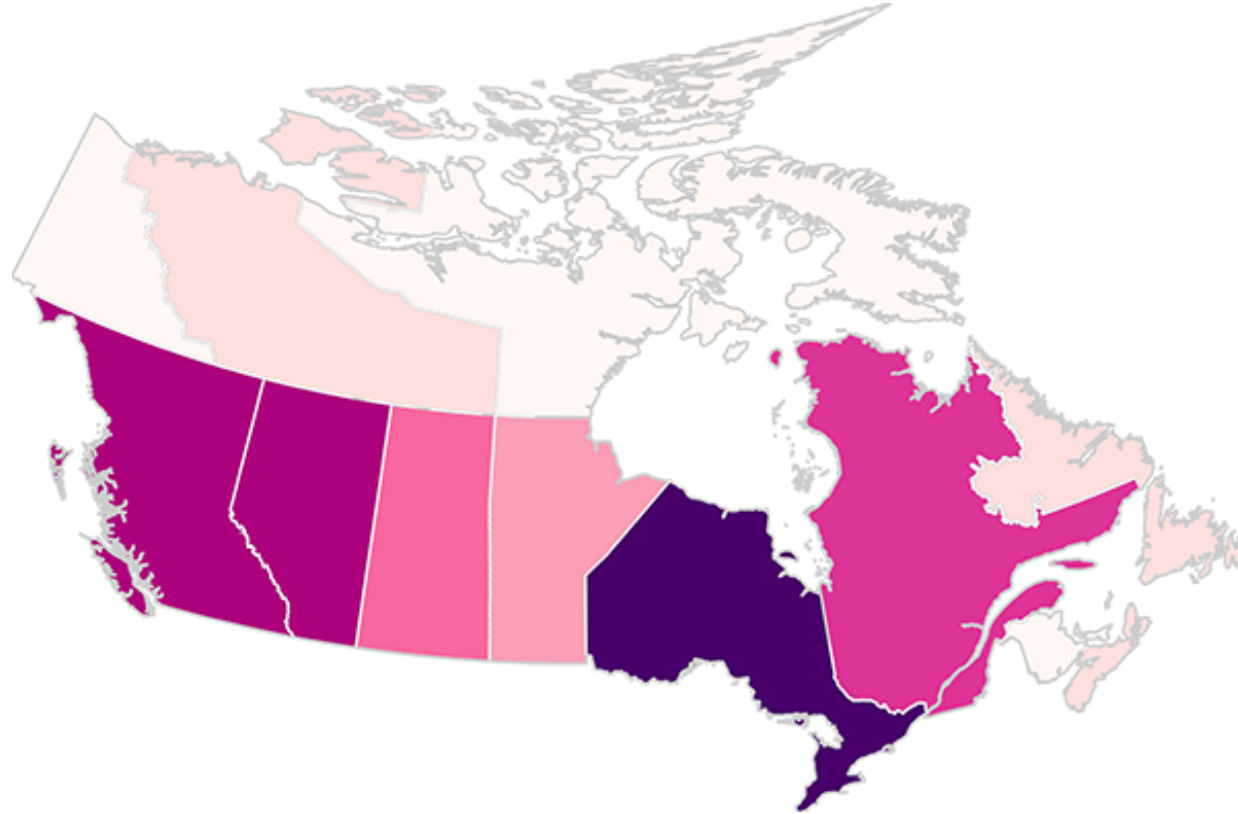
<https://365.Training>

<https://github.com/readyxrm>



CANADIAN FUN FACT

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Have Canada and the United States gone to War?


Yes, the war of 1812

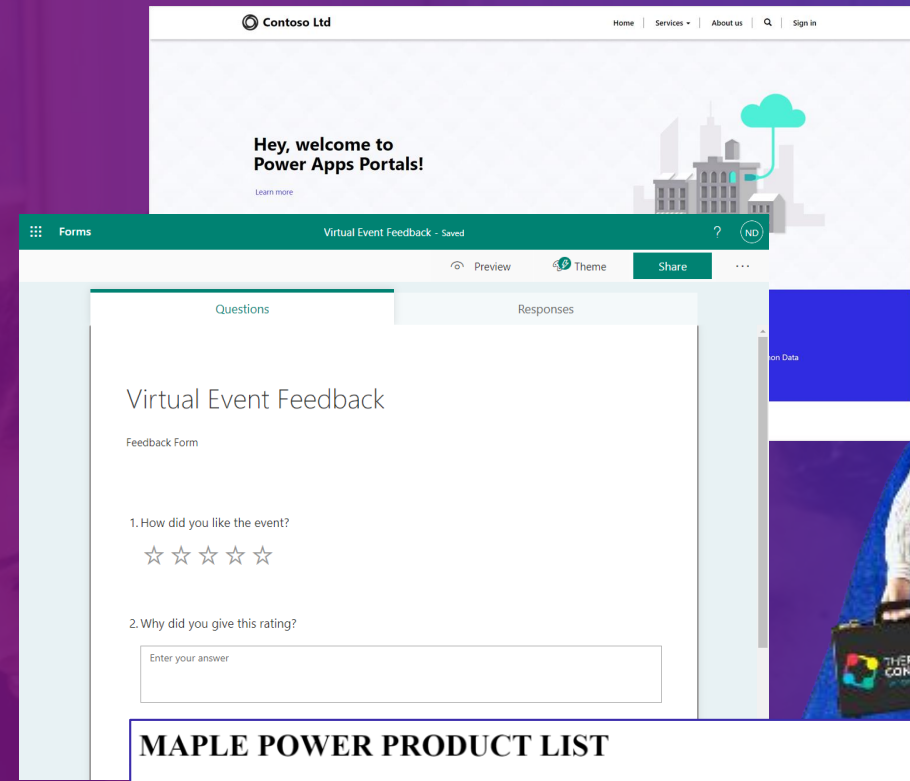
- Technically between Great Britain and United States
- Most Canadian's believe Canada won
- Most American's believe United States won
- Reality: It was essentially a tie
- The song "Battle of New Orleans" by Johnny Horton was based on the last battle of the war
- The British burned the American Presidential mansion, which was repainted to white... aka "The White House"




OBJECTIVES

- Why Power Apps portals?
- Why NOT Power Apps portals
- Alternate Portal Solutions (3rd Party and Free)
- JAMStack
- Build a Simple Portal App
- Questions





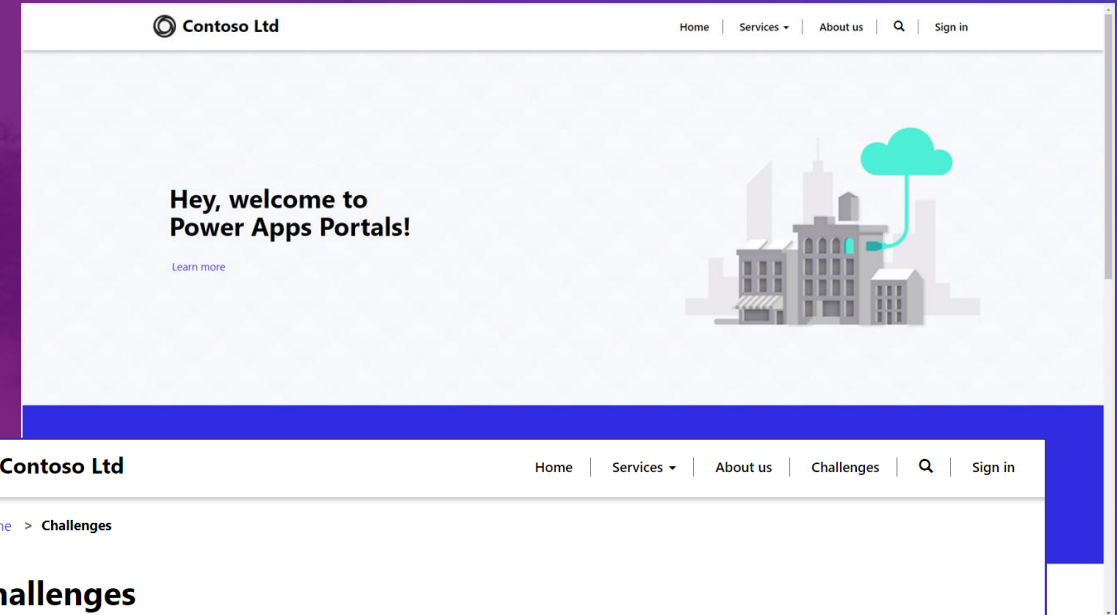


MAPLE POWER PRODUCT LIST

SKU	ProductName	Cost	QuantityAvailable	GUID	Request2
SKU-1000	Widget	100	43		<input type="text"/>
SKU-1001	Flux Capacitor	34	65		<input type="text"/>
SKU-1002	Dooickey	58	43		<input type="text"/>
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SKU-1005	Green Thing ma jinger	78	21		<input type="text"/>

Why Power Apps Portals?

- Simple to provision
- Portal studio allows ability to quickly create pages
- Easily surface Dataverse data using Entity Lists and Entity Forms
- Security and Authentication
- Extendable with JavaScript, Liquid and Portal WebAPI

A screenshot of the Contoso Ltd Power Apps Portal Challenges page. The page features a white header with the Contoso Ltd logo and navigation links: Home, Services, About us, Challenges, a search icon, and Sign in. Below the header is a breadcrumb trail "Home > Challenges". The main content area is titled "Challenges" and contains a table with the following data:

Name	Number of ideas ↓	Launch date ↑	Accept new ideas till	Close Date	Awards issued?
Connected Operations	5	3/12/2018	4/29/2018	5/5/2018	No
Enterprise sustainability	4	4/16/2018	4/30/2018	5/3/2018	No
Connected products	3	10/1/2018	10/30/2018	11/4/2018	No
3D Printing	2	3/1/2018	4/30/2018	5/3/2018	No
Smarter manufacturing	2	5/15/2018	5/29/2018	6/2/2018	No
Big data	2	12/1/2018	12/30/2018	1/4/2019	No
Servitization	1	8/1/2018	8/29/2018	9/2/2018	No
Renewable energy	1	9/1/2018	9/30/2018	10/4/2018	No
Holographic computing	0	7/1/2018	7/29/2018	8/2/2018	No

Why NOT Power Apps Portals?

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- Slight Learning Curve
- Much of configuration is done via metadata
- “Lightweight” CMS features
- Many solutions and metadata
- Tricky DevOps processes
- Licensing
- Overkill for certain workloads

The screenshot displays the Power Apps Portal Management interface. At the top, it says "Portals" and "Enable external users to access custom portals." Below this, there are two pricing cards:

- Login capacity (Authenticated users):** Starting at **\$200** per month for 100 daily login sessions⁶.
- Page view capacity (Unauthenticated users):** **\$100** per month for 100,000 page views.

Below the pricing cards is a table titled "Active Site Settings". The table has three columns: Name, Value, and Website. The settings listed are:

Name	Value	Website
www.language/displaylanguagecode.html	false	Starter Portal
Multilanguage/MaximumDepthToClone	3	Starter Portal
OnlineDomains	sharepoint.com;microsoftonline.com	Starter Portal
Profile/ForceSignUp	False	Starter Portal
Profile/ShowMarketingOptionsPanel	True	Starter Portal
Search/Enabled	true	Starter Portal
Search/FacetedView	True	Starter Portal
search/filters	---	Starter Portal
Search/IndexNotesAttachments	false	Starter Portal
Search/IndexQueryName	Portal Search	Starter Portal
search/query	+(@Query) _title;(@Query) _logicalname:knowledg...	Starter Portal
Search/RecordTypeFacetsEntities	Downloads:annotation,adx_webfile	Starter Portal

The interface also shows a left-hand navigation menu with options like Home, Recent, Pinned, Website, Websites, Page Templates, Redirects, Site Markers, Site Settings (selected), Website Bindings, Settings, Content, Content Snippets, Entity Forms, Entity Lists, Shortcuts, and Web Files. The top right of the interface shows "Power Apps" and "Portal Management" tabs, along with various action buttons like Show Chart, New, Delete, Refresh, Email a Link, Flow, Run Report, and a search bar.

Alternate Portal Solutions for Microsoft Dataverse

Alternate Portal Solutions

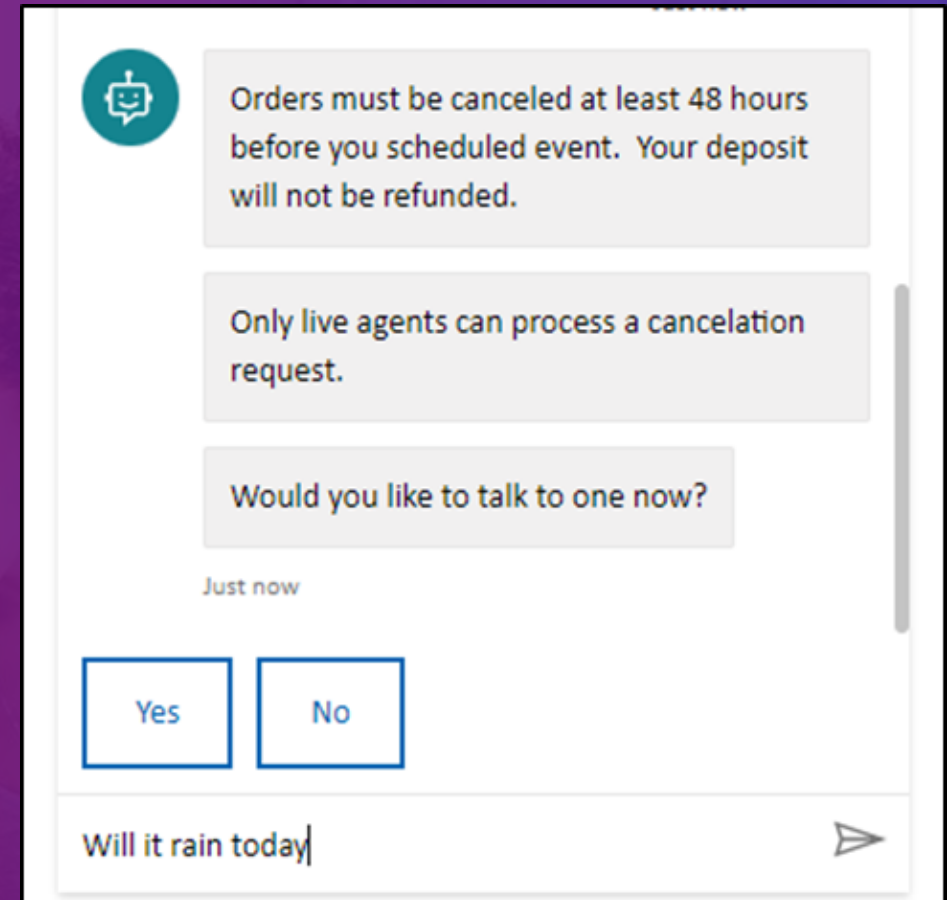
- Collecting Data?
- Consider Microsoft Forms or Customer Voice
- Data can be saved in Dataverse
- Easy to setup and manage

The screenshot shows the Microsoft Forms interface for a 'Virtual Event Feedback' form. The form is titled 'Virtual Event Feedback' and is a 'Feedback Form'. It contains a single question: '1. How did you like the event?' with a five-star rating scale. The interface includes a 'Preview' button, a 'Theme' button, and a 'Share' button. The top bar shows 'Forms' and 'Virtual Event Feedback - Saved'.

The screenshot shows the Microsoft Customer Voice interface for a 'Support Case Feedback' form. The form is titled 'Support Case Feedback' and is part of an 'Individual Case Feedback' survey. It includes a message: '[[First Name]], we recently resolved the following case for you - Case [[CaseNumber]] - [[CaseTitle]]. Please take a moment to respond to the questions below. Your feedback'. The first question is: '1. [[SupportRep]] worked on this support case for you. Thinking about the entire process from start to resolution, how would you rate this experience?' with a five-star rating scale. The second question is: '2. Again, thinking about this particular support experience, please select the most appropriate response for each statement below:'. The statements are: 'The support rep was responsive', 'The support rep was friendly and courteous', 'The support rep was knowledgeable', and 'The support rep understood our issue'. The response options are: 'Strongly Disagree', 'Disagree', 'Neutral', 'Agree', and 'Strongly agree'.

Alternate Portal Solutions

- Providing info to customer?
- Consider Power Virtual Agents
- Chatbots can provide contextual info to external stakeholders
- Embed on most existing websites



Alternate Portal Solutions

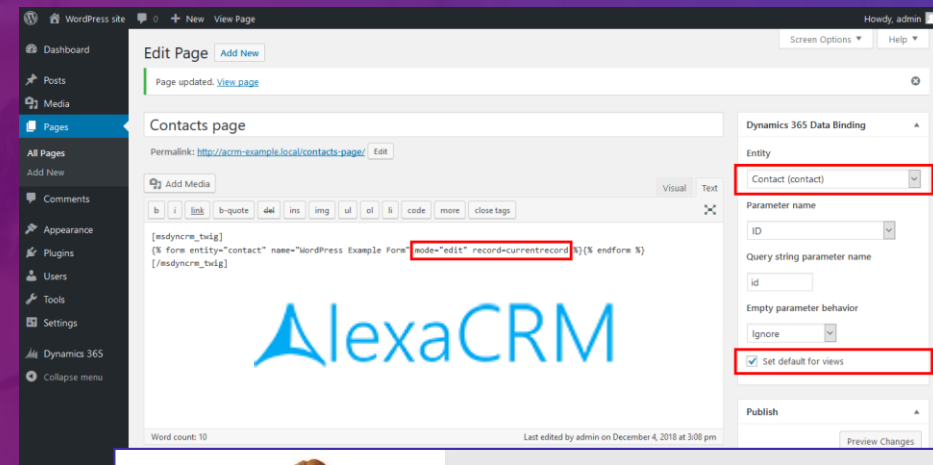
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Various 3rd Party Solutions

- Better fit to your existing Web Platforms
- Flexible Licensing
- Use your existing web skills

Examples (there are others):

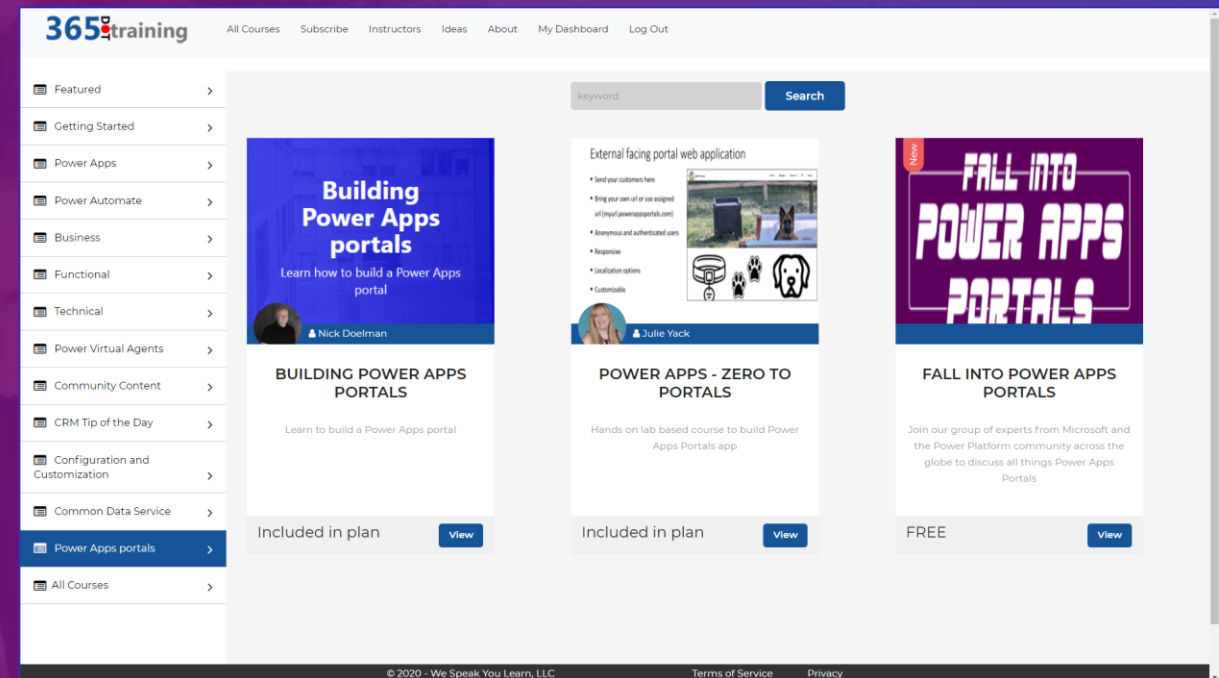
- AlexaCRM (WordPress Integration)
- Portal Connector (Sitefinity Integration)



Alternate Portal Solutions

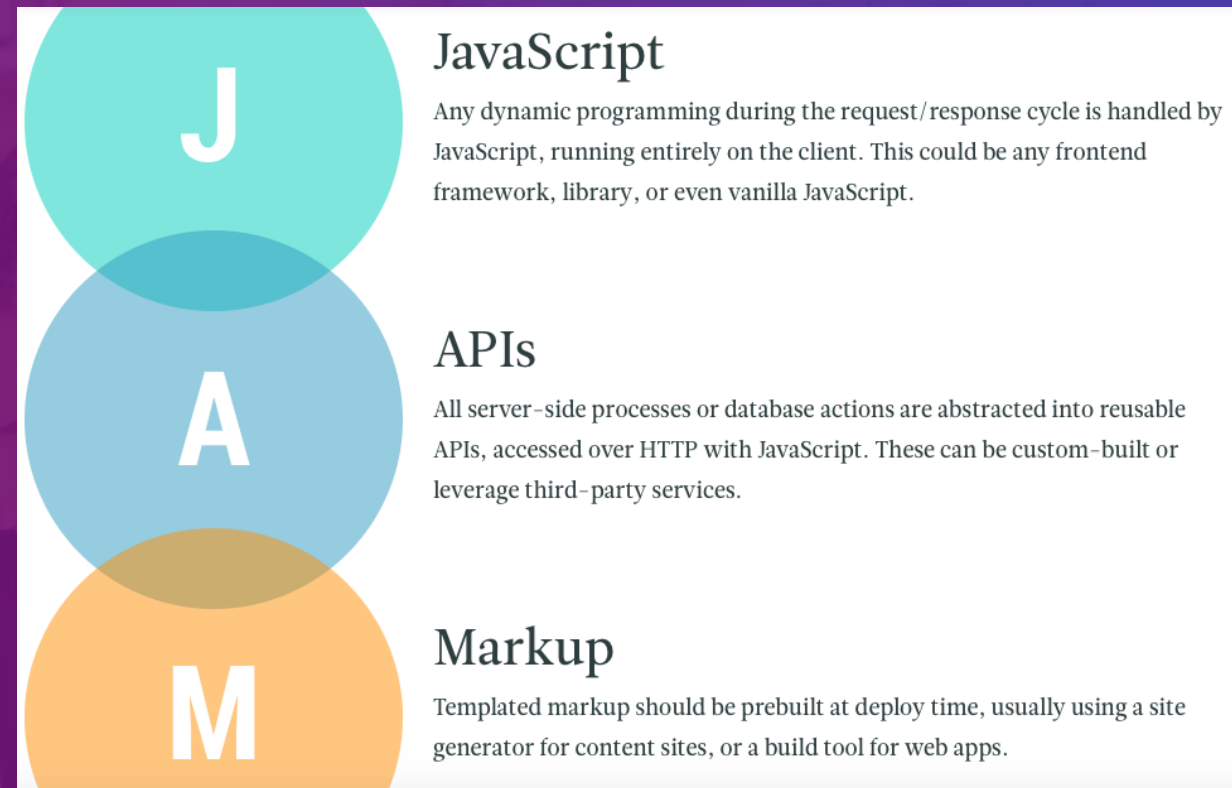
Build Your Own

- Use Power Platform SDK and Dataverse WebAPI
- Consider foundational work (authentication, security, User Interface, etc)
- Highly configurable
- Licensing and Hosting Flexibility (Watch API limits)



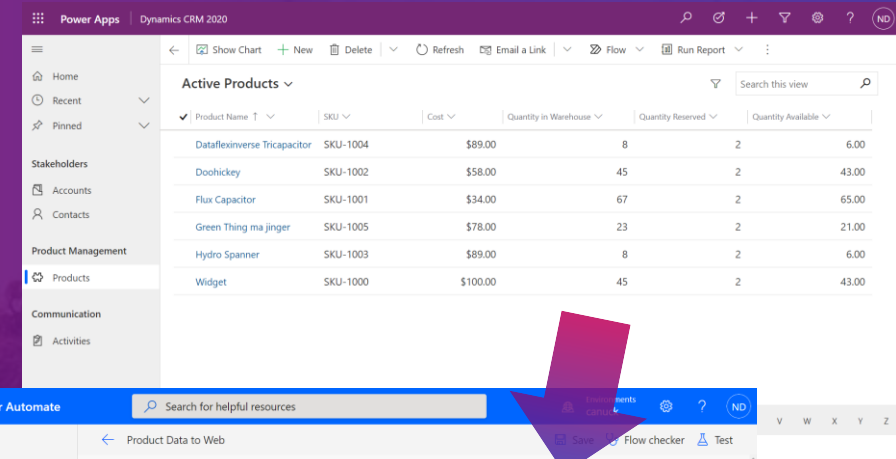
JAMStack

- JAM – JavaScript, API & Markup
- Automatically generate static pages with content, post to website
- Fast
- Secure
- Low Cost
- Easy to Build
- Scalable



DEMO JAMStack

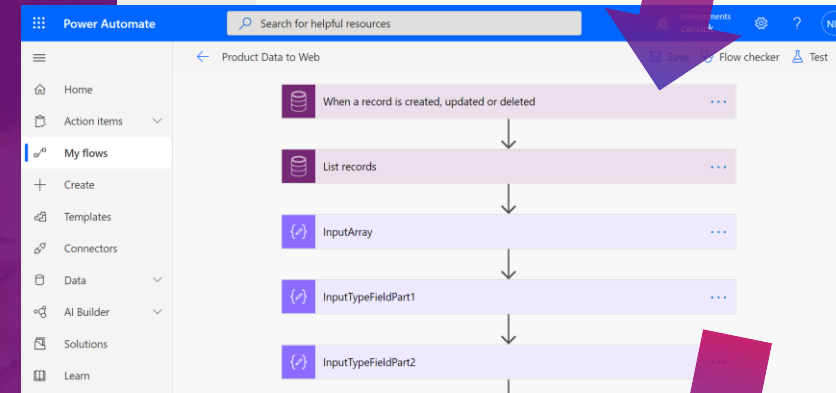
- Model-driven Power App
- Create a Power Automate flow to take data from Dataverse and convert to HTML table
- Copy HTML file to Azure Static Website
- Update data from page back to Dataverse



Power Apps | Dynamics CRM 2020

Active Products

Product Name	SKU	Cost	Quantity in Warehouse	Quantity Reserved	Quantity Available
Dataflexinverse Tricapacitor	SKU-1004	\$89.00	8	2	6.00
Doohickey	SKU-1002	\$58.00	45	2	43.00
Flux Capacitor	SKU-1001	\$34.00	67	2	65.00
Green Thing ma jinger	SKU-1005	\$78.00	23	2	21.00
Hydro Spanner	SKU-1003	\$89.00	8	2	6.00
Widget	SKU-1000	\$100.00	45	2	43.00



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Reserve					

THANK YOU!

John Liu for inspiration on JAMStack <http://johnliu.net/>
Victor Dantes for organizing
Microsoft for making cool stuff
Community for being awesome!

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NOVEMBER 21st, 2020

THANK YOU!

Fill out survey: <https://bit.ly/2GEjUjr>

