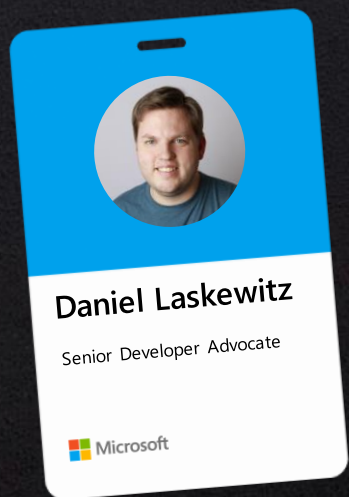




Create your own Power Platform & Logic Apps connector



Agenda

- Connectors
- Independent Publisher Connectors
- Tools
- Resources
- Wrap up
- Q & A

Connectors



What is a connector?



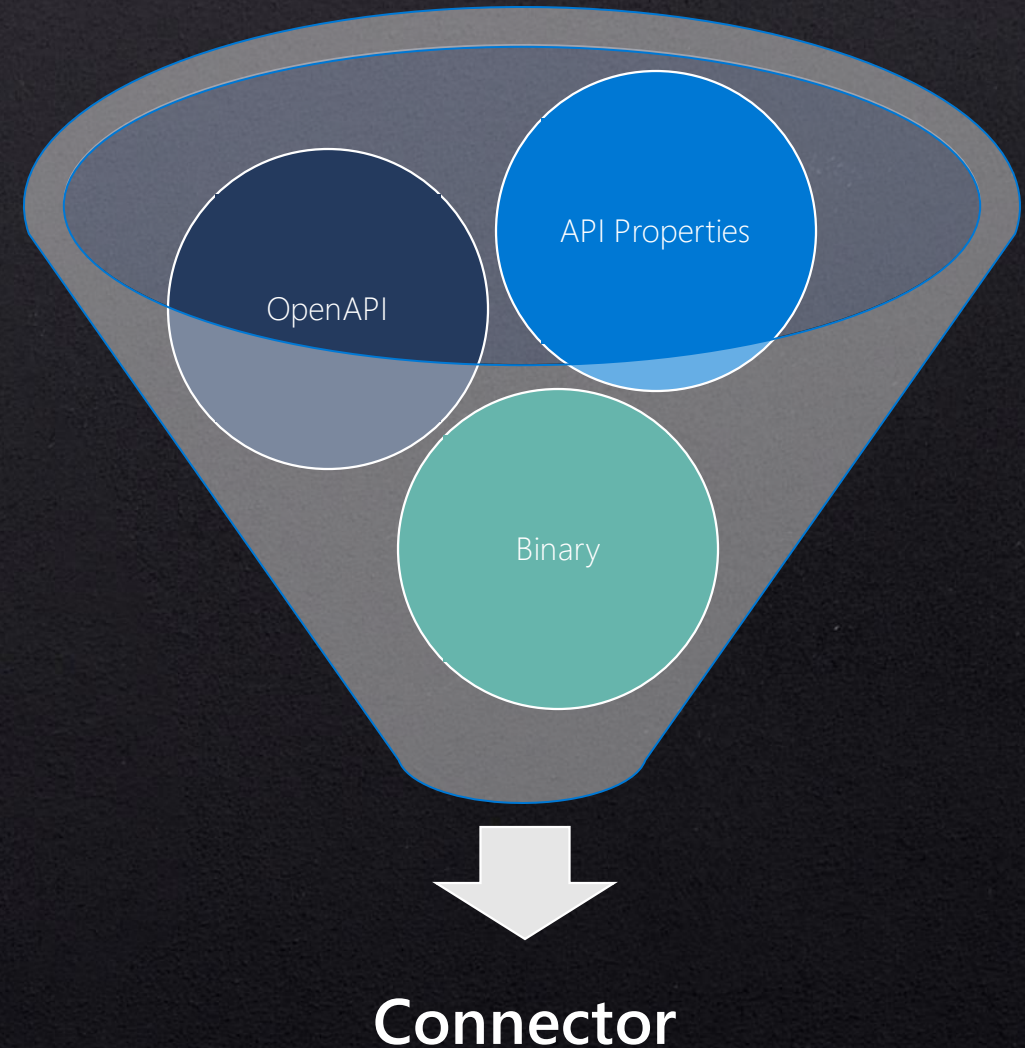
A formal definition of a **REST API**



Allows the **REST service** to talk to Microsoft Power Apps, Power Automate, and Logic Apps



Currently **800+** out-of-the-box connectors in the product



900+ connectors



Why use custom connectors?



Add services that are not currently supported



Expand connectors that currently don't have the trigger/action you want



Custom connectors are simple to build, don't require a lot of coding



Can be built using the wizard, a postman collection, or with your favourite IDE (for instance VS Code)



Can be shared, packaged and certified via GitHub

Step-by-step: build a custom connector?



Read the docs / know the API you want to build the connector for



Start in one of the products (Power Apps, Power Automate or Logic Apps)



Set up the authentication



Define the operations (triggers / actions) for your connector



Add code if needed (for now, C# code is supported)



Save and test your connector

Start in one of the products



Create from blank



Create from Azure Service (Preview)



Import an OpenAPI file



Import an OpenAPI from URL












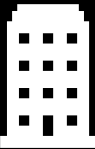




Import a Postman collection



Import from GitHub

Types of connectors

 <p>Connector Type</p>	 <p>Custom Connector</p>	 <p>Certified Connector</p>	 <p>Independent Publisher Connector</p>
 <p>API Availability</p>	 <p>Public or private</p>	 <p>Public</p>	 <p>Public</p>
 <p>Service Owner</p>	 <p>Connector developer or someone else</p>	 <p>Connector developer</p>	 <p>Someone else</p>
 <p>Audience</p>	 <p>Internal</p>	 <p>Everyone</p>	 <p>Everyone</p>



CHUCKHARRIS.IO

DEMO:

Build your first connector

Independent Publisher Connectors



Step 1 – Build a custom connector



- Choose a connector from the “Top Connector Asks” or think about the products you use on a regular basis
- Start building in Power Apps, Power Automate, or Logic Apps through an OpenAPI definition, Postman V2, or from the in-product wizard

Top Connector Asks

natalie-pienkowska edited this page 3 days ago · 6 revisions

Looking to build a connector but don't know which one to build? Here are our top requests today:

- Autotask
- Booking
- Confluence
- ConnectWise
- Heartland Retail
- NetSuite
- Okta
- Pandora API
- Quickbooks
- Splunk
- Telegram
- Zoom

Step 2 – Prepare your artifacts



- You will be submitting API Definition (Swagger), API Properties, & readme.md (for documentation) files.
- Use the paconn CLI to download the artifacts and add metadata such as publisher and stackOwner.
- Make sure you've added 1) summaries and descriptions for your parameters and 2) schemas!

Step 3 – Submit to GitHub



- Create your pull request and title it “Connector Name (Independent Publisher)”
- Paste screenshots that show your operations are working within a Flow, that the entire Flow has succeeded, and the Tests operations section.
- You don’t need to submit an icon because we have a generic Independent Publisher connector icon!
- Upon submission, you’ll see a “Swagger Validator” run and provide results.

Step 4 – Follow through with comments during certification



- The certification engineers will test your connector and do manual validations to make sure that the connector is of high quality.
- This process takes at least 2 weeks but can take a bit more time when there are a lot of connectors in the pipeline.
- Read the GitHub labels to understand status: Validation phase -> certification phase -> deployment phase
- Submit an update to the connector anytime after it's deployed!

Step 5 – Time to show off your connector



- Check out your connector in the product!
- Create samples of how to use your connector
- Share your connector from your LinkedIn and Twitter accounts
- Monthly new Independent Publisher connector blog released by Microsoft
- Opportunities to demo
 - Bi-weekly PnP Microsoft Dev call on Thursdays
 - YouTube video recording for Microsoft Dev channel

Tools



Tools (1/2)

- Power Platform CLI (preview)
 - Helps with the ALM story of Custom Connectors
 - You can deploy, download and update your connectors with the CLI through the following commands:
 - `pac connector list`
 - `pac connector init`
 - `pac connector create`
 - `pac connector download`
 - `pac connector update`

Microsoft Power Platform CLI Command Groups

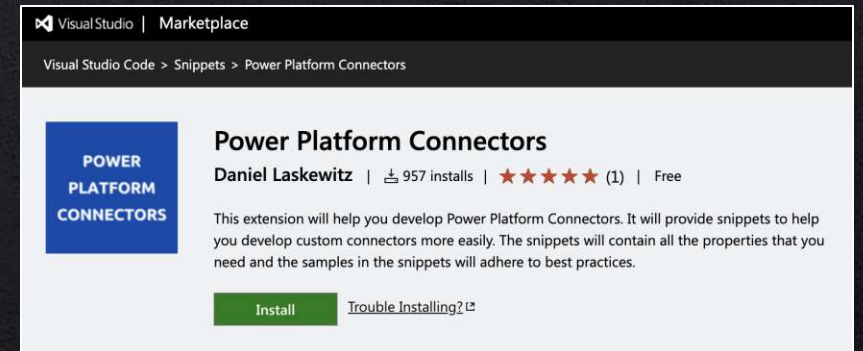
Article • 09/16/2022 • 2 minutes to read • 2 contributors



Command Group	Description
<code>pac admin</code>	Work with your Power Platform Admin Account
<code>pac application</code>	Commands for listing and installing available Dataverse applications from AppSource
<code>pac auth</code>	Manage how you authenticate to various services
<code>pac canvas</code>	Operating with Power Apps .msapp files
<code>pac connector</code>	(Preview) Commands for working with Power Platform Connectors
<code>pac data</code>	Import and export data from Dataverse.
<code>pac help</code>	Show help for the Microsoft Power Platform CLI
<code>pac org</code>	Work with your Dataverse Organization
<code>pac package</code>	Commands for working with Dataverse package projects
<code>pac paportal</code>	Commands for working with Power Apps portal website
<code>pac pcf</code>	Commands for working with Power Apps component framework projects
<code>pac plugin</code>	Commands for working with Dataverse plug-in class library
<code>pac solution</code>	Commands for working with Dataverse solution projects
<code>pac telemetry</code>	Manage telemetry settings

Tools (2/2)

- Power Platform CLI (preview)
 - 'pac canvas create' command generates a canvas app from a custom connector
 - This is great for pro code dev hand-off to citizen dev / makers
- Power Platform Connectors (VS Code Extension)
 - Helps you to easily add properties and other objects in Visual Studio Code by providing snippets





DEMO:

Download, edit and upload
the connector



DEMO:

Create a demo app via the
Power Platform CLI

Resources



Resources

- Docs (<https://aka.ms/cc/learn>)
- Get your connector certified (<https://aka.ms/cc/certification>)
- Independent Publisher Connector Program (<https://aka.ms/cc/ip>)
- Power Platform Connectors GitHub repository (<https://aka.ms/cc/github>)
- Extend an OpenAPI Definition (<https://aka.ms/cc/extend-openAPI>)
- Custom code in custom connectors (<https://aka.ms/cc/code>)
- Custom Connectors Coding Standards (<https://aka.ms/cc/coding-standards>)
- Policy support in Custom Connectors (<https://aka.ms/cc/policy-templates>)
- Paconn CLI (<https://aka.ms/cc/paconn>)
- Power Platform Connectors VS Code Extension (<https://aka.ms/ppc-vscode>)
- Power Platform CLI (<https://aka.ms/powerplatformcli>)

Wrap up



Wrap up

- Check out the top connector asks on GitHub and pick one
- Go build your first connector
- Test, test, test!
- Spread the word about custom connectors

Q & A

