

Power BI and Web API's - not so low code?

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Erik Svensen
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I wish I had Power QUERY back then



E X A M

Microsoft® Excel 5.0 for Windows™ Exam

April 1, 1997 • In person • Provided by Prometric

Web.contents() – THE POWERQUERY FUNCTION

[Web.Contents - PowerQuery M | Microsoft Learn](#)

Syntax

```
Web.Contents(url as text, optional options as nullable record) as binary
```

About

Returns the contents downloaded from `url` as binary. An optional record parameter, `options`, may be provided to specify additional properties. The record can contain the following fields:

- `Query`: Programmatically add query parameters to the URL without having to worry about escaping.
- `ApiKeyName`: If the target site has a notion of an API key, this parameter can be used to specify the name (not the value) of the key parameter that must be used in the URL. The actual key value is provided in the `credential`.
- `Headers`: Specifying this value as a record will supply additional headers to an HTTP request.
- `Timeout`: Specifying this value as a duration will change the timeout for an HTTP request. The default value is 100 seconds.
- `ExcludedFromCacheKey`: Specifying this value as a list will exclude these HTTP header keys from being part of the calculation for caching data.
- `IsRetry`: Specifying this logical value as true will ignore any existing response in the cache when fetching data.
- `ManualStatusHandling`: Specifying this value as a list will prevent any builtin handling for HTTP requests whose response has one of these status codes.
- `RelativePath`: Specifying this value as text appends it to the base URL before making the request.
- `Content`: Specifying this value changes the web request from a GET to a POST, using the value of the option as the content of the POST.

The HTTP request is made as either a GET (when no Content is specified) or a POST (when there is Content). POST requests may only be made anonymously.

The headers of the HTTP response are available as metadata on the binary result. Outside of a custom data connector context, only a subset of response headers is available (for security reasons).

WEB API's - demo

Data.Police.UK - Simple

Dataverse - Authenticate using organizational account

E-Conomic (Danish ERP cloud service)

- Headers

- Authentication

- Pagination

Spotify

- A bit harder

Bonus

- Open AI API

- Power BI Admin Rest API

DEMOS - :-)

Data Police UK

[Link](#)



What does this mean

<https://data.police.uk/api/crimes-street/all-crime? poly=51.5885896,-3.2646561:51.4460905,-3.2107544:51.5623452,-2.8773880:51.6301656,-2.9745483:51.5885896,-3.2649994&date=2022-03>

Base

<https://data.police.uk/api>

Relative path

[crimes-street/all-crime?](#)

Query

[poly=51.5885896,-3.2646561:51.4460905,-3.2107544:51.5623452,-2.8773880:51.6301656,-2.9745483:51.5885896,-3.2649994&date=2022-03](#)

Dataverse

[https://org4f8e1e33.crm4.dynamics.com/api/data/v9.2/crc3c_stores?\\$top=10](https://org4f8e1e33.crm4.dynamics.com/api/data/v9.2/crc3c_stores?$top=10)

Logon with AD

Power Apps | Tables | Store

https://make.powerapps.com/environments/b687e851-8235-459d-8544-2a16da624928/entities/5f42b3a8-865b-ed11-9562-0f...

Online Barcode Ge... APIs as Power BI Da... Hotel Alpine Palace,... Logo Design & Bra... Vertex Internal Early Bird | Guider ti... Jäm

Power Apps

Search

+ New Edit Create an app Using this table Import Export Advanced Delete

Tables > Store

Table properties

Name	Primary column	Description
Store	Name	
Type	Last modified	
Standard	4 months ago	

Properties Tools

- Copy set name
- Copy schema name
- Copy logical name
- API link to table definition
- API link to table data

Schema

- Colour
- Relati
- Keys

Store columns and data

Name	Latitude	Longitude	StoreKey
Føtex - Middelfart	55.50	9.76	2,
Kvickly - Jyllinge	55.75	12.11	2,
Fakta - Middelfart (Sofienalvej)	55.53	9.78	2,
Fakta - Middelfart (Assensvej)	55.50	9.75	2,

E-conomic

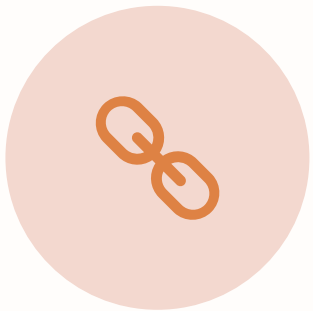
[e-conomic REST API Documentation](#)

Get Accounts

Get Entries

Oh wait there is more data
pagination :-/

Spotify API



LINK



AUTHENTICATE



GET PLAYLISTS



GET

Open API / chatgpt – rest API

[Link to documentation](#)

[Get a key](#)

[Check out the console](#)

Power BI admin rest api

[tirnovar \(Štěpán Rešl\) · GitHub](https://github.com/tirnovar/Power_BI_REST_API_PQ)

https://github.com/tirnovar/Power_BI_REST_API_PQ

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tirnovar / Power_BI_REST_API_PQ Public

<> Code Issues Pull requests Actions Projects Security Insights

main 1 branch 0 tags

Go to file Code About

tirnovar Merge branch 'main' of https://github.com/tirnovar/Power_BI_REST_API_PQ 91fc481 on Aug 12 77 commits

00_Aditional Materials	Power BI Scanner API Update	6 months ago
01_Prerequisites	README	10 months ago
02_Template	PPT	7 months ago
Admin	Get Visuals From Report	4 months ago
Gateways	Gateways	6 months ago
GraphAPI Token	Power BI REST API	9 months ago
Information Protection/Labels/Get La...	Power BI REST API	8 months ago
Power BI Service Token	Power BI REST API	9 months ago
Querying Datasets	Power BI REST API	10 months ago
ScannerAPI	Get modified Info for enhanced results	5 months ago
Scorecards & Goals	Score Card + Activity Events Updates	4 months ago
src	Readme	8 months ago
.DS_Store	Score Card + Activity Events Updates	4 months ago
.gitignore	Git Ignore	5 months ago
README.md	Update README.md	4 months ago

Power BI

rest m po power-qu power-bi power-bi

Readme 23 stars 4 watchers 3 forks

Releases

No releases

Package:

No package

Resources – Power query and api's

Postman – [link](#)

Chris Webb – [blog posts](#)

Štěpán Rešl - [APIs as Power BI Datasources \(datameerkat.com\)](https://datameerkat.com)

And many more blogs and vlogs

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