Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Home Affairs FDHA

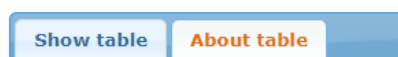**Federal Statistical Office FSO**
Communication, Publishing

STAT-TAB

PxWeb API

This document introduces how to use the PxWeb API to experienced users and developers.

In STAT-TAB, the swiss implementation of PxWeb, all datacubes need to be access through their detailed address that you can find in the "About table" of your resulting table, after clicking "API Query for this table".

The main URL address that lists all available datacube is :
https://www.pxweb.bfs.admin.ch/api/v1/de

Where applicable and available you can also replace /de by the language codes : (fr, it, en)

Examples Get Query to retrieve Metadata

Description	URL
Show the current configuration limits	https://www.pxweb.bfs.admin.ch/api/v1/de/?config
Get the Main Metadata for the datacube px-x-0102030000_101	https://www.pxweb.bfs.admin.ch/api/v1/de/px-x-0102030000_101
Get the Metadata structure of the cube px-x-0102030000_101	https://www.pxweb.bfs.admin.ch/api/v1/de/px-x-0102030000_101/px-x-0102030000_101.px

Example REST POST Query to retrieve Data

Description	URL and POST
Get the population of the last 3 years in json-stat Format	https://www.pxweb.bfs.admin.ch/api/v1/en/px-x-0102030000_101/px-x-0102030000_101.px ```{ "query": [{ "code": "Jahr", "selection": { "filter": "top", "values": ["3"] } }], "response": { "format": "json-stat" } }```
Get the population history for all years and returns the result in a CSV file.	https://www.pxweb.bfs.admin.ch/api/v1/en/px-x-0102030000_101/px-x-0102030000_101.px ```{ "query": [{ "code": "Jahr", "selection": { "filter": "all", "values": ["*"] } }], "response": { "format": "csv" } }```

Here is a documentation from our colleagues from Statistics Finland on how to use this API (example similar to Switzerland begins at page 3):
http://www.stat.fi/static/media/uploads/org_en/avoindata/px-web_api-help.pdf

For more information, please refer to the Software Editor's manual (Statistics Sweden SCB):
https://pxnet2.stat.fi/API-description_SCB.pdf

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