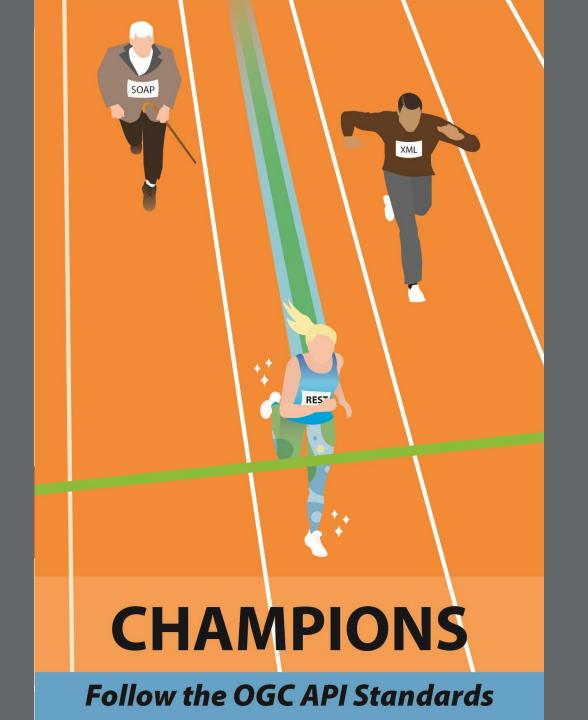
Zelf aan de slag

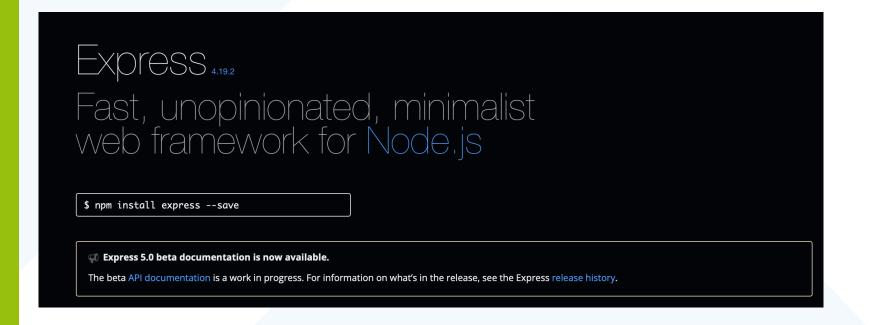
OGC API Features Server

OGC API Features (web)client



nodejs, express - javascript

Node.js is een open source en multiplatform JavaScript-runtime-omgeving waarmee JavaScript buiten een browser uitgevoerd kan worden. Met Node.js kunnen ontwikkelaars JavaScript gebruiken voor command-line-tools en server-side scripting. Het resultaat is een "JavaScript overal"-paradigma dat webapplicatie-ontwikkeling verenigt rond een enkele programmeertaal, in plaats van verschillende talen voor server- en client-side scripts.^[3]





OGC API Features - 'Routes'



Landing page https://api.pdok.nl/lv/bgt/ogc/v1

OAS https://api.pdok.nl/lv/bgt/ogc/v1/api

Collections https://api.pdok.nl/lv/bgt/ogc/v1/collections

Collection-id https://api.pdok.nl/lv/bgt/ogc/v1/collections/bak

• Items https://api.pdok.nl/lv/bgt/ogc/v1/collections/bak/items

• Item-id: https://api.pdok.nl/lv/bgt/ogc/v1/collections/bak/items/5d394ef5-6a5d-5011-a729-29def1c51dd9

Parameters:

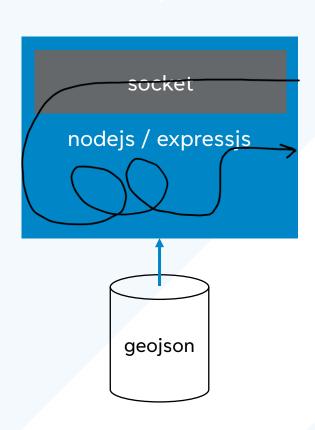
?f=json of ?f=html

• ?crs vb: ?crs=http://www.opengis.net/def/crs/EPSG/0/28992

• ?bbox vb: ?bbox=160.6,-55.95,-170,-25.89

'Architectuur'





req

GET /buurten/collections/items?f=json HTTP/1.1

res

HTTP/1.1 200 OK

X-Powered-By: Express

Content-Crs: urn:ogc:def:crs:OGC:1.3:CRS84
Content-Type: application/json; charset=utf-8

Content-Length: 233117

ETag: W/"38e9d-smcmFErKAg9bqFT/m2hZSI2J7pA"

Date: Mon, 22 Jul 2024 07:47:04 GMT

Connection: keep-alive
Keep-Alive: timeout=5

{"type":"FeatureCollection", "features":[{"type":"Feature", "geometry":{"type":"Polygon", "coordinates":[[[4.836904719830233,51.71261186219708],[4.842367931828861,51.67965404535827],[4.781071321809747,51.66390211812952],[4.787505939028108,51.63704801116956],[4.731388847030403,51.64299386821649],[4.699059657817242,51.638073190658574],[4.684902977273319,51.666366490887185],[4.64513658535018,51.71906732347356],[4.676304223904792,51.724923649009945],[4.698553145800539,51.72199204842582],[4.733650891305746,51.73650736658969],[4.764199375929489,51.759857403256646],[4.853126170313312,51

Bruno

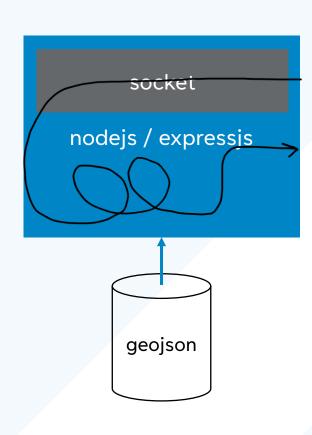
WebBrowser

QGIS, Esri, ...

curl, ...

'Architectuur'







Zelf experimenteren



Wat gaan we doen?

- Een minimale basis OGC API Features server bouwen
- NodeJS
- Visual Studio Code
- Bruno (of andere API Client)
- Zie: https://github.com/Geonovum/ogc-api-workshops/tree/main/04%20OGC-API-Features/handson
- Een (web)client gebruiken om met code een OGC API Features endpoint te bevragen
 - Python
 - Leaflet