

Access Data via WFS & WMS APIs

If needed you can display data from GRID*it* in another (external) application.

- [WFS & WMS \(external applications\)](#)

WFS & WMS (external applications)

You can view layers that are stored in GRID*it* in other systems (e.g. QGIS) using the WMS and WFS APIs.

When using WMS & WFS to view data in another system, layer level access control cannot be enforced.

External mapping tools & applications can access data via standard interfaces from [Open Spatial Consortium](#).

- WFS (Web Feature Service)
- WMS (Web Map Service)

Each application needs to be configured differently. All applications need to configure the endpoint and the API key.

Information needed (from administrator)

API endpoint

Each project in GRID*it* has its own endpoint. Your project/organization administrator can provide it and it has this format

Protocol	Endpoint
WFS	example: https://api.gridit.nl/api/projects/4928f988-8711-4371-b61b-af6b1834c406/WFS
WMS	example: https://api.gridit.nl/api/projects/4928f988-8711-4371-b61b-af6b1834c406/WMS

API key (for security)

Each user has an API key that can be provided by the project/organization administrator. The API key grants the same access rights as the user.

The API key must be provided as part of the http attributes

Attribute	Value
X-API-Key	API Key (eg: 8c898c89-8c89-8c89-8c89-8c898c898c89)

```
let url = 'https://api.gridit.web/api/projects/B1C9AE8D-15ED-454C-A91D-CA48C310CE74/WFS?service=wfs&version=2.0.0&request=GetFeature&typeName=namespace:featuretype';
const response = await fetch( url, {
  method: "GET",
  headers: {
    "X-API-Key": "8c898c89-8c89-8c89-8c89-8c898c898c89",
  },
});
```

Example in QGIS:

Authentication

×

Name

API key

Id

d89szfe

Resource

Optional URL resource

API Header

▼

Clear

Header key (required)	Header value	
X-API-Key	8c898c89-8c89-8c89-8c89-8c...	

Note: Saving writes directly to authentication storage

Reset

Save

Cancel