



OGC API – Features

formerly known as “WFS 3.0”

Clemens Portele, interactive instruments

OGC API – Features

- **OGC API standards** define modular API building blocks to spatially enable Web APIs in a consistent way
- **OGC API Features** specifies the fundamental API building blocks for interacting with features (create, modify and query features on the Web)
- Started as a revision of the OGC Web Feature Service standard that
 - proposes a modernized service architecture,
 - leverages the OpenAPI specification,
 - follows the current Web architecture and the (Spatial) Data on the Web Best Practices,
 - has a focus on the developer experience,
 - modularizes WFS into building blocks for fine-grained access to spatial data that can be used in data APIs,
 - is developed in an open process doing all work in a public GitHub repository, early implementations, in-depth validation, slow release

OGC API – Features – Part 1: Core Resources of the Web API

Table 1. Overview of resources, applicable HTTP methods and links to the document sections

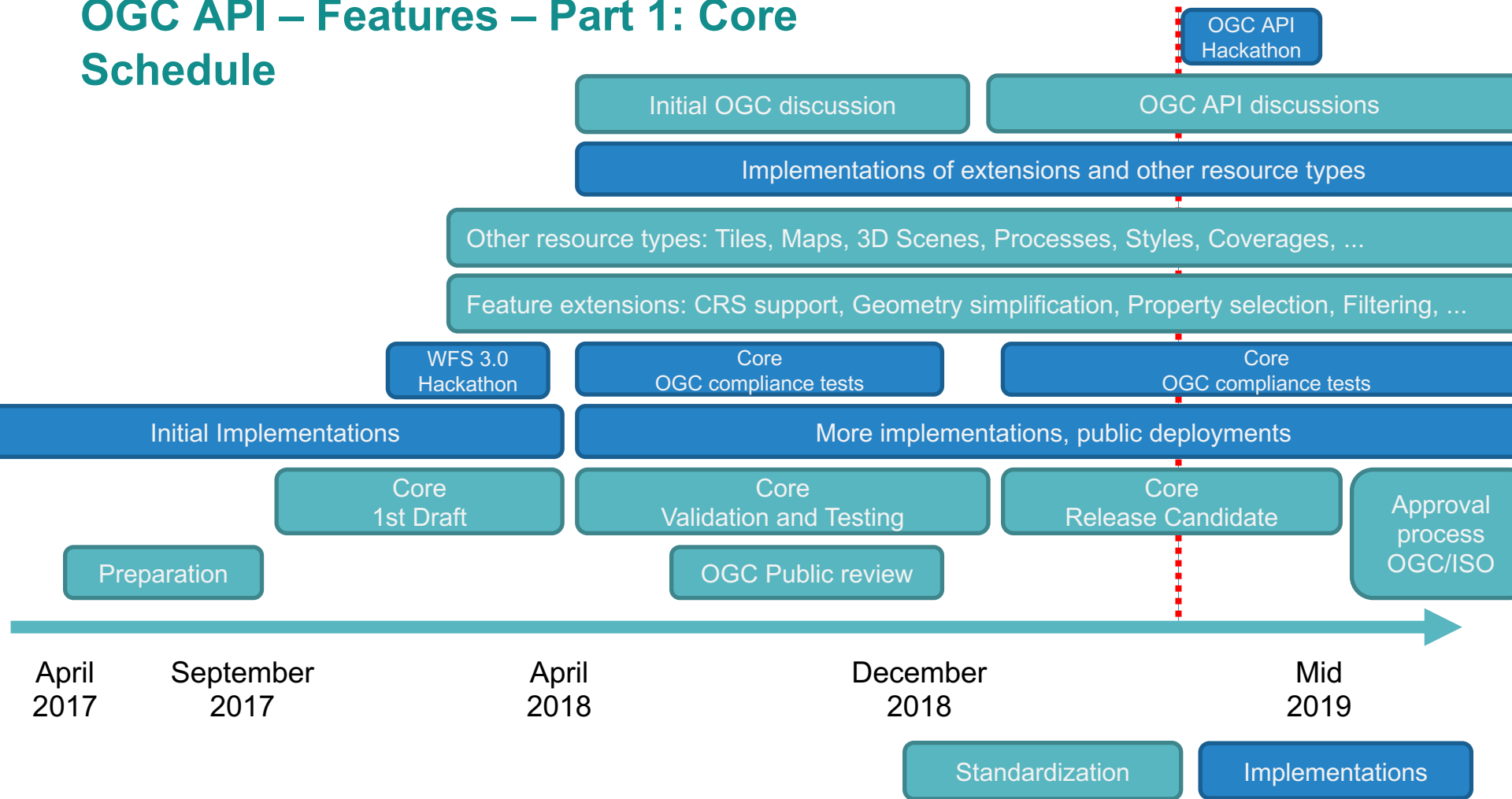
Resource	Path	HTTP method	Document reference
Landing page	/	GET	7.2 API landing page
API definition	/api	GET	7.3 API definition
Conformance declaration	/conformance	GET	7.4 Declaration of conformance classes
Feature collections	/collections	GET	7.12 Feature collections
Feature collection	/collections/{collectionId}	GET	7.13 Feature collection
Features	/collections/{collectionId}/items	GET	7.14 Features
Feature	/collections/{collectionId}/items/{featureId}	GET	7.15 Feature

information
about the API

a dataset with a sub-division into
named collections of features

the features

OGC API – Features – Part 1: Core Schedule



OGC API – Features – Part 1: Core

Current progress and OGC API Hackathon input

The screenshot displays a GitHub project board for the repository 'openeogeospatial / WFS_FES'. The board is organized into columns representing different stages of work: Backlog, In Progress, Waiting for Input, In Review, and Done. Each column contains a list of issues, each with a title, a brief description, and a progress bar. The progress bar is color-coded: green for 'resolved', yellow for 'waiting', and orange for 'under development'. The issues are also tagged with labels such as 'OGC API: Common', 'OGC API: Features', and 'OGC API: Hackathon'. The board is updated 4 hours ago. The top navigation bar includes links to Pull requests, Issues, Marketplace, and Explore. The right sidebar shows the number of Unwatched (51), Unstarred (92), and Forked (26) items. The bottom of the board shows the automated status as 'To do' and 'Manage'.

openeogeospatial / WFS_FES

Unwatch 51 Unstar 92 Fork 26

Code Issues 62 Pull requests 3 Projects 1 Wiki Security Insights Settings

Part 1: Core Updated 4 hours ago

Filter cards + Add cards Fullscreen Menu

4 Backlog

- ATS Cleanup #169 opened by cmheazel
Abstract Test Suite
- Abstract Test Suite #112 opened by cportele
Abstract Test Suite
- Protect clients against large datasets/high limit values #165 opened by aaime
Abstract Test Suite OGC API: Features
progress: resoluti...
- Paging testability and reaching last page #166 opened by aaime
Abstract Test Suite OGC API: Features
progress: resoluti...

Automated as To do Manage

5 In Progress

- Listing of all applicable HTTP Status Codes #45 opened by cmheazel
Document: Part 1 ...
OGC API: Common OGC API: Features
progress: resoluti...
- Have authoritative response examples in all formats #132 opened by aaime
Document: Part 1 ...
OGC API: Common OGC API: Features
progress: resoluti...
- /req/gmlsf0/definition (Requirement 37), /req/gmlsf0/content (Requirement 38) and Note at 8.4: Simple Features #150 opened by PeterParslow
Document: Part 1 ...
OGC API: Features
progress: under di...
- Deviations between XML and JSON encoding of various structures. #133 opened by pvretano
Document: Part 1 ...
OGC API: Common OGC API: Features
progress: under di...
- suggestion not to use a property called type (on link)

5 Waiting for Input

- Dynamically fetching features from multiple collections in a single request. #154 opened by pvretano
Document: Part 1 ... OGC API: Hackathon
OGC API: Features progress: waiting ...
- OpenAPI media type #117 opened by cportele
Document: Part 1 ...
OGC API: Common
progress: waiting ...
- Use rel="type" instead of rel="describedBy" for pointing to the schema of a feature ... #126 opened by pvretano
Document: Part 1 ... OGC API: Common
OGC API: Features progress: waiting ...
- OpenAPI Alternate Schema Support #129 opened by cmheazel
Document: Part 1 ... OGC API: Common
OGC API: Features Resolved
progress: waiting ...
- Lack of DescribeFeatureType request #56 opened by rouault
Document: Part 1 ... OGC API: Common
OGC API: Features progress: waiting ...

10 In Review

- Issues with the UML model #217 opened by heidivanparys
Document: Part 1 ...
OGC API: Common OGC API: Features
progress: pull req...
progress: under di...
- Default values for query parameters #215 opened by cportele
Document: Part 1 ...
OGC API: Features
progress: pull req...
- Is every Feature required to have an id? #139 opened by jampukka
Document: Part 1 ... OGC API: Features
no change progress: resoluti...
- Support an explicit "unlimited" value for "limit" #152 opened by cportele
Document: Part 1 ... OGC API: Features
no change progress: resoluti...
- Features without a collection #30 opened by jvanulde
Document: Part 1 ... OGC API: Features
no change progress: resoluti...
- Add section "Security"

55 Done

- Expected behavior when multiple filtering parameters are used (e.g., bbox and time) #136 opened by aaime
Document: Part 1 ...
OGC API: Features
progress: pull req...
- Language negotiation. Use the HTTP header for it? #161 opened by joanna747
Document: Part 1 ...
OGC API: Common
progress: pull req...
- Support for multilingual information #134 opened by pvretano
Document: Part 1 ...
OGC API: Common
progress: pull req...
- Put introduction of OpenAPI description styles in a more prominent section of the specification #147 opened by aaime
Document: Part 1 ...
OGC API: Common
progress: pull req...

Automated as Done Manage