

# VNG Notificatie API-Lab

15/16 juni 2022



# Programma

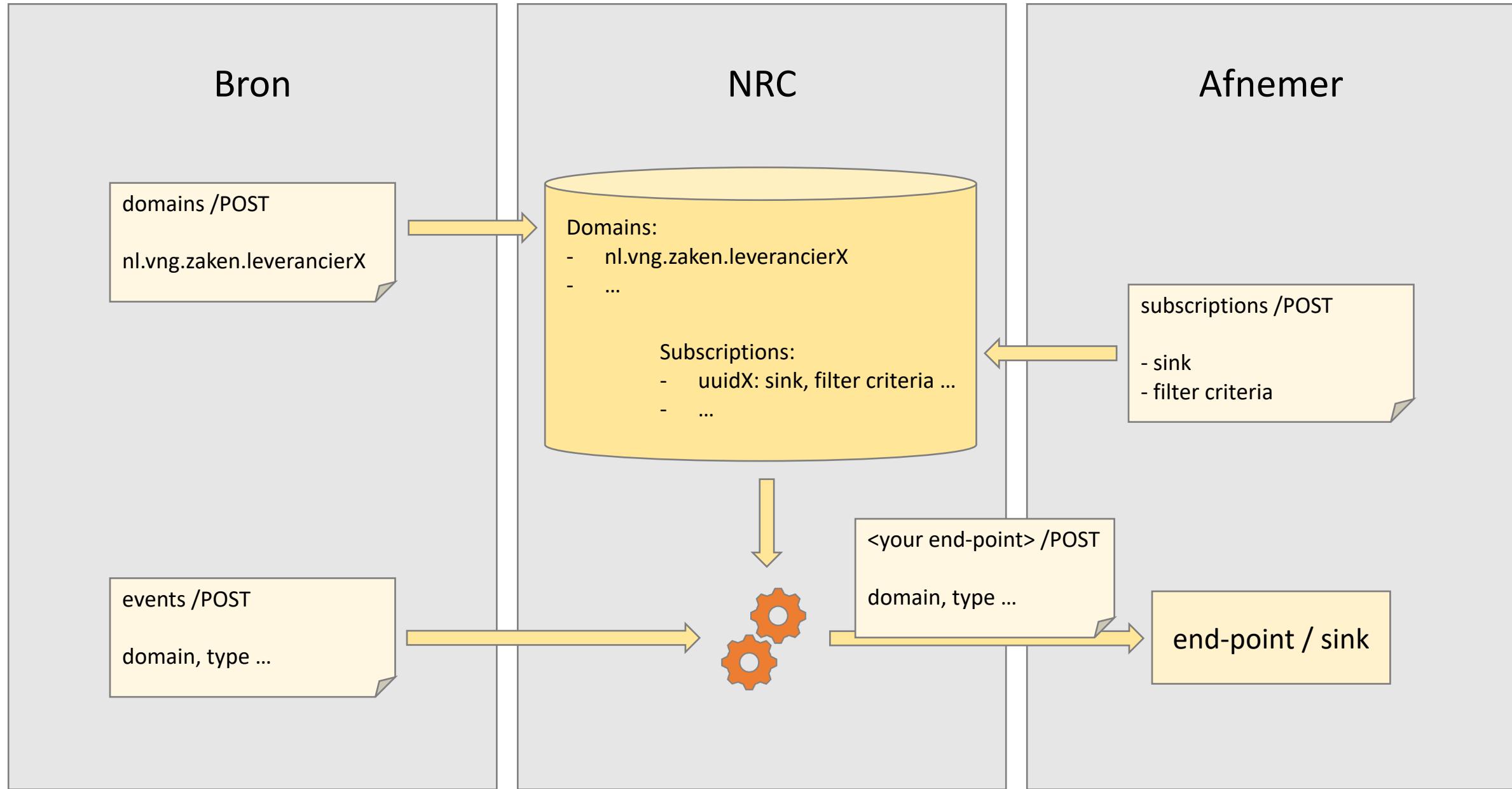
## Dag 1

- Vanaf 10:30 Testen API

## Dag 2

- 09:00 Dagstart
- 09:10 Partijen gaan verder met testen van de API
- 10:00 Breakout sessie 'Abonneren'
  - Voor wie specifiek in dit onderwerp interesse heeft.
- 15:00 Dagafsluiting met ruimte voor demo's van leveranciers
  - Geïnteresseerden, zoals gemeenten, sluiten aan via teams.
- 16:30 Borrel

Projectteam is beide dagen aanwezig voor vragen/begeleiding.



Search...

events



## Publish an event

The component will distribute the event to the subscribers when the criteria of a subscription are met.

[AUTHORIZATIONS:](#) >

JWT-Claims

REQUEST BODY SCHEMA: application/cloudevents+json; charset=utf-8

**specversion**  
requiredstring (specversion) [non-empty](#)

The version of the CloudEvents specification which the event uses. Compliant event producers MUST use a value of 1.0 when referring to this version of the specification.

**id**  
requiredstring (id) [non-empty](#)

Identifies the event. Producers MUST ensure that source + id is unique for each distinct event. SHOULD be a uuid.

**source**  
requiredstring <urn> (source) [non-empty](#)

Identifies the context in which an event happened. SHOULD be a URN notation with 'nld' as namespace identifier. SHOULD contain consecutive a unique identifier of the organization that publishes the event followed by the source system that publishes the event. Involved organizations SHOULD agree on how organizations and systems are uniquely identified (e.g. via the use of OIN, KVK-nummer or eIDAS legal identifier for organization identification);

**domain**  
requiredstring <reverse-dns> (domain) [non-empty](#)

Name of the domain to which the event belongs. Can be seen as the namespace of the event.(This attribute is not listed in the GOV NL profile for CloudEvents)

**type**  
requiredstring <reverse-dns> (type) [non-empty](#)

This attribute contains a value describing the type of event. Type SHOULD start with the domain followed by the name of the event. Events SHOULD be expressed in the past tense. If subtypes are required those SHOULD be expressed using a dot '.' between the super and subtype(s). The type MAY contain version information. Version information SHOULD be appended at the end of the string.

time

string or null <date-time> (time) [non-empty](#)

Timestamp of the event. SHOULD be the timestamp the event was registered in the source system and NOT the time the event occurred in reality. The exact meaning of time MUST be clearly documented.

NRC API

POST /events



### Request samples

Payload

Content type

application/cloudevents+json; charset=utf-8

[Copy](#) [Expand all](#) [Collapse all](#)

```
{  
  "specversion": "1.0",  
  "id": "2febb675-b06c-4f3a-8fc3-f6649aa25ae4",  
  "source": "urn:nld:oin:0000001234567890000:system:",  
  "domain": "nl.vng.zaken",  
  "type": "nl.vng.zaken.status_gewijzigd",  
  "time": "2022-03-16T15:29:30.833664Z",  
  "subscription": "a2de4777-1160-4562-a996-b79d27b30c9",  
  "subscriberReference": "1285c6bc-1b54-48d8-96e2-c55a",  
  "datacontenttype": "application/json",  
  "dataschema": "https://www.vng.nl/zgw/zaken/status_gew",  
  "subject": "string",  
  "sequence": "42",  
  "sequencetype": "Integer",  
  "<key1>": "<value1>",  
  "<key2>": "<value2>",  
  "<keyN>": "<valueN>",  
  - "data": {  
      "property1": "string",  
      "property2": "string"  
    },  
  "data_base64": "string",  
  "dataref": "http://example.com"
```

Search...

events

POST Push event

Documentation Powered by Redocly

## Push event

The event will be pushed to the client by posting it to the events resource.

AUTHORIZATIONS: &gt;

JWT-Claims

REQUEST BODY SCHEMA: application/json

|                         |   |
|-------------------------|---|
| specversion<br>required | string (specversion) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>The version of the CloudEvents specification which the event uses. Compliant event producers MUST use a value of 1.0 when referring to this version of the specification.  |
| id<br>required          | string (id) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>Identifies the event. Producers MUST ensure that source + id is unique for each distinct event. SHOULD be a uuid.   |
| source<br>required      | string <urn> (source) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>Identifies the context in which an event happened. SHOULD be a URN notation with 'nld' as namespace identifier. SHOULD contain consecutive a unique identifier of the organization that publishes the event followed by the source system that publishes the event. Involved organizations SHOULD agree on how organizations and systems are uniquely identified (e.g. via the use of OIN, KVK-nummer or eIDAS legal identifier for organization identification); |
| domain<br>required      | string <reverse-dns> (domain) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>Name of the domain to which the event belongs. Can be seen as the namespace of the event.(This attribute is not listed in the GOV NL profile for CloudEvents)   |
| type<br>required        | string <reverse-dns> (type) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>This attribute contains a value describing the type of event. Type SHOULD start with the domain followed by the name of the event. Events SHOULD be expressed in the past tense. If subtypes are required those SHOULD be expressed using a dot '.' between the super and subtype(s). The type MAY contain version information. Version information SHOULD be appended at the end of the string.  |
|                         | string <date-time> (time) <span style="background-color: #f0f8ff; border: 1px solid #d9e1f2;">non-empty</span><br>Timestamp of the event. SHOULD be the timestamp the event was published by the system and NOT the time the event occurred in reality. The exact meaning of the timestamp SHOULD be clearly documented   |

Client API

POST /events

### Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "specversion": "1.0",
  "id": "2febb675-b06c-4f3a-f6649aa25ae4",
  "source": "urn:nld:oin:0000001234567890000:systeem",
  "domain": "nl.vng.zaken",
  "type": "nl.vng.zaken.status_gewijzigd",
  "time": "2022-03-16T15:29:30.833664Z",
  "subscription": "a2de4777-1160-4562-a996-b79d27b30c9",
  "subscriberReference": "1285c6bc-1b54-48d8-96e2-c55a",
  "datacontenttype": "application/json",
  "dataschema": "https://www.vng.nl/zgw/zaken/status_gewijzigd",
  "subject": "string",
  "sequence": "42",
  "sequencetype": "Integer",
  "<key1>": "<value1>",
  "<key2>": "<value2>",
  "<keyN>": "<valueN>",
  - "data": {
      "property1": "string",
      "property2": "string"
    }
}
```

Alternatief: <https://webhook.site>  
 Let op: moet 204 teruggeven

Password

Alias

Schedule

CSV Export

Custom Actions Settings

REQUESTS (0/500) Newest First

Search Query

Waiting for first request...

## Edit URL

Default status code

204

Content Type

text/plain

Timeout before response

0

Response body

Variables ▲

Save

Webhook.site lets you easily ir...

Any request or email sent to the...

Your unique URL (Please copy)

<https://webhook.site/6f61b940-47fb-46d0-83c6-1a2e037e03ec>

Your unique email address

6f61b940-47fb-46d0-83c6-1a2e037e03ec

Are you not receiving anything?

To change the response (status

With Webhook.site Pro, you get

[Upgrade now.](#)[Star on GitHub](#) 3,210

## Request Details

Permalink Raw content

Date

Size 0 bytes

ID

## Query strings

(empty)

No content

## Headers

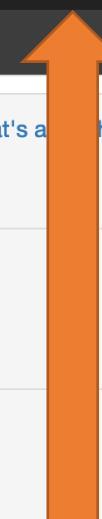
## Form values

(empty)

ing HTTP request or e-mail. [What's a webhook?](#)

ew tab

lient

to send emails and requests, write custom scripts, and more. [Read more](#)

# Autorisatie tijdens API-Lab

- Uitgangspunt is dat de client een Access token gebruikt
- Iedereen gebruikt hetzelfde token:  
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJ0ZXN0c3VpdGUiLCJpYXQiOjE2NTQwODk3NzAsImNsawVuudF9pZCI6Im5yYylsInVzZXJfaWQiOiJ0ZXN0X3VzZXJfaWQiLCJ1c2VyX3JlcHJlc2VudGF0aW9uIjoiVGVzdCBVc2Vyln0.9CjhYTw-eREVXtdiTQbwyoSXAkAMln5sRj5lzsaa1s
- Dit token staat ook in de tutorial

# Subscription autorisatie

- Als de client geen access tokens ondersteunt, kan in /subscriptions POST het sinkcredentials deel vervangen worden door een username/password in het HTTPprotocol deel:

```
"sinkCredential": {  
    "credentialType": "ACCESSTOKEN",  
    "accessToken": "abcd1234",  
    "accessTokenExpiresUtc": "2022-12-31T00:00:00.000Z",  
    "accessTokenType": "bearer"  
},  
  
"protocolSettings": {  
    "headers": {  
        "username": "foo",  
        "password": "bar"  
    },  
    "method": "POST"  
},
```

# Beperkingen referentie implementatie

- Functioneel
  - Validatie Sink niet conform CloudEvents maar conform ZGW NRC.
  - Geen pull.
- Specificatie / OAS
  - Filter verwijzing naar attributen nog niet conform CE draft.
  - Nog geen paginering bij LIST van domains en subscriptions.
  - Soms nog puntje op de 'i'. Bijvoorbeeld 'maxLength'.
- Technisch
  - Beperkte autorisatiemogelijkheden
    - Expiration van token niet ingebouwd
    - Scopes nog onvoldoende granulair

# Linkjes (1/2)

## Tutorial

- <https://github.com/VNG-Realisatie/notificatieservices/blob/main/docs/api-specification/api-lab/tutorial.md>

## Postmanscripts

- [https://github.com/VNG-Realisatie/notificatieservices/blob/main/docs/api-specification/api-lab/Notificaties%20API-Lab.postman\\_collection.zip](https://github.com/VNG-Realisatie/notificatieservices/blob/main/docs/api-specification/api-lab/Notificaties%20API-Lab.postman_collection.zip)

## Referentie implementatie: Hosted version

- <https://notificaties-api.test.vng.cloud/api/v1>

## Referentie implementatie: Docker image

- <https://hub.docker.com/r/vngr/notificaties-api/tags> - Kies de laatste alfa versie
- Let op! Geen ondersteuning tijdens API-lab.

# Linkjes (2/2)

## Documentatie

- <https://github.com/VNG-Realisatie/notificatieservices/tree/main/docs/api-specification>

## GitHub locatie specifiek voor API-lab

- <https://github.com/VNG-Realisatie/notificatieservices/tree/main/docs/api-specification/api-lab>

## Slack

- Common Groud / # api-lab-notificatie
- <https://samenorganiseren.slack.com/archives/C03HU33MEKC>

5.09

5.08

5.07

5.06

5.05

