Wupperverband Eventing API Test Plan

Basic Data

Groups

id	name	admingroup for	global admingroup
1	sensorweb-opladen		
2	sensorweb-opladen_admin	sensorweb-opladen	
3	sensorweb-admins		yes

Users

id	name	password	groups
1	sensorweb-admin1	secret	sensorweb-admins
2	opladen-admin	secret	sensorweb-opladen, sensorweb-opladen_admin
3	opladen-user1	secret	sensorweb-opladen
4	opladen-user2	secret	sensorweb-opladen

Series

id	category	phenomenon	procedure	feature_of_interest	unit	eventing_flag
1	pegelstaende	Pegelstand	Einzelwert	Opladen	cm	1
2	pegelstaende	Pegelstand	Tagesmittelwert	Opladen	cm	0

Category

id	category_id	name
1	pegelstaende_id	Pegelstaende

Phenomenon

id	phenomenon_id	name
1	pegelstand_id	Pegelstand

Procedure

id	procedure_id	name
1	einzelwert_id	Einzelwert
2	tagesmittelwert_id	Tagesmittelwert

Feature Of Interest

id	feature_of_interest_id	name	reference_wv_id
1	opladen_id	Opladen	71349

Unit

id	unit
1	cm

Subscription related Data

Rules

id	series	threshold	trend
1	1 (Pegelstaende Opladen Einzelwerte)	52.0	13 (steigt über den Grenzwert)
2	1 (Pegelstaende Opladen Einzelwerte)	52.0	21 (fällt unter den Grenzwert)
3	1 (Pegelstaende Opladen Einzelwerte)	102.0	13 (steigt über den Grenzwert)
4	1 (Pegelstaende Opladen Einzelwerte)	102.0	21 (fällt unter den Grenzwert)

Notifications

id	series
1	1
2	1

Notification Rules (Grouping Rules as Notifications)

notification	rule	notification level	is primary rule?
1	1	1 (Warnung)	yes
1	2	9 (Entwarnung)	no

notification	rule	notification level	is primary rule?
2	3	1 (Warnung)	yes
2	4	9 (Entwarnung)	no

Existing Subscriptions

id	user	group	notification
1		1 (sensorweb-opladen)	1

| 2 | 3 (opladen-user1) | | 2 |

Existing Events

id	time_stamp_created	series	event_type	observation_time	value	message	rule	notification
1	2017-11-03T14:00:00Z	1 (Pegelstaende Opladen Einzelwerte)	4 (Abonnement)	2017-11-03T13:45:00Z	53.0	Uebersteigung identifiziert!	1	1
2	2017-11-03T15:00:00Z	1 (Pegelstaende Opladen Einzelwerte)	4 (Abonnement)	2017-11-03T14:45:00Z	51.0	Fall unter Grenzwert identifiziert!	2	1
3	2017-11-07T10:00:00Z	1 (Pegelstaende Opladen Einzelwerte)	4 (Abonnement)	2017-11-07T11:45:00Z	103.0	Fall unter Grenzwert identifiziert!	3	2

Behaviour Testing

User: opladen-user1

ID: 3

Retrieving Subscriptions

`HTTP GET` with `Authorization: Basic b3BsYWRlbi11c2VyMTpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/subscriptions

Expected Result:

List of Subscriptions with IDs: 1, 2

Retrieving Events

`HTTP GET` with `Authorization: Basic b3BsYWRlbi11c2VyMTpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/events

Expected Result:

List of events with IDs: 1, 2, 3

User: opladen-user2

ID: 4

Retrieving Subscriptions

`HTTP GET` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` (its a different one :-)):

http://localhost:8080/wv-eventing-webapp/v1/subscriptions

Expected Result:

List of Subscriptions with IDs: 1

Retrieving Events

`HTTP GET` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/events

Expected Result:

List of events with IDs: 1, 2 (3 missing as it is a result of a `opladen-user1` subscription)

Deleting Subscriptions

`HTTP DELETE` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/subscriptions/1

Expected Result:

400 Bad Request with Error 'Subscription is not known: 1' (User cannot delete the group subscription)

User: opladen-admin

ID: 2

Creating Subscriptions

`HTTP POST` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` (its a different one :-)):

http://localhost:8080/wv-eventing-webapp/v1/subscriptions

and payload:

```
{
  "publicationId":"1",
  "template":{
    "id":"2",
    "parameters":{
     "groupId": {
          "value": 1
     }
    }
  },
  "deliveryMethods":[{
    "id":"wv-email",
    "parameters":{
    }
  }],
  "enabled":true,
  "endOfLife":"2018-06-19T13:22:08.248+02:00"
}
```

Expected Result:

200 OK (successful creation):

```
{
    "id": 12345,
    "href": "http://localhost:8080/wv-eventing-webapp/v1/subscriptions/12345"
}
```

(id may defer)

Retrieving Subscriptions

`HTTP GET` with `Authorization: Basic b3BsYWRlbi1hZG1pbjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/subscriptions

Expected Result:

List of Subscriptions with IDs: 1, 12345 (may defer, see above) and in particular **not** 2 (as its a user subscription of a different user and the requesting user is not a global admin).

Retrieving Events

`HTTP GET` with `Authorization: Basic b3BsYWRlbi1hZG1pbjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/events

Expected Result:

List of events with IDs: 1, 2 (3 missing as it is a result of a `opladen-user1` subscription)

Deleting Subscriptions

`HTTP DELETE` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/subscriptions/1

Expected Result:

202 Accepted (successful removal)

Creating Templates

`HTTP POST` with `Authorization: Basic b3BsYWRlbi11c2VyMjpzZWNyZXQ=` :

http://localhost:8080/wv-eventing-webapp/v1/templates

and payload:

```
{
   "definition":{
      "content":{
         "publication":1,
         "rules": [
            {
               "threshold":22.45,
               "trend":11,
               "primaryRule": true,
               "level": 1
            },
            {
               "threshold":22.45,
               "trend":12,
               "primaryRule": false,
               "level": 9
            }
         ]
      }
   }
}
```

Expected Result:

400 Bad Request with Error 'User is not allowed to create notifications'

User: sensorweb-admin

ID: 3

This is a global administrator user.

Creating Templates

Templates are the basis for Notifications and the related Rule set.

`HTTP POST` with `Authorization: Basic c2Vuc29yd2ViLWFkbWluOnNlY3JldA==` (its a different one :-)):

http://localhost:8080/wv-eventing-webapp/v1/templates

and payload:

```
{
    "definition":{
        "content":{
            "publication":1,
            "rules": [
                {
                    "threshold":22.45,
                    "trend":11,
                    "primaryRule": true,
                    "level": 1
                },
                {
                    "threshold":22.45,
                    "trend":12,
                    "primaryRule": false,
                    "level": 9
                }
            ]
        }
    }
}
```

Expected Result:

200 OK (successful creation):

```
{
    "id": 12345,
    "href": "http://localhost:8080/wv-eventing-webapp/v1/templates/12345"
}
```

(id may defer)