

# 5GTANGO VnV Planner REST API

# Table of Contents

1. Overview .....	1
1.1. Version information .....	1
1.2. License information .....	1
1.3. URI scheme .....	1
1.4. Tags .....	1
2. Resources .....	2
2.1. Catalogue-event-listener .....	2
2.1.1. onChange .....	2
2.2. Network-service-controller .....	2
2.2.1. scheduleTest .....	2
2.2.2. listTestsByService .....	3
2.3. Package-controller .....	4
2.3.1. scheduleTest .....	4
2.4. Test-controller .....	4
2.4.1. scheduleTest .....	4
2.4.2. listServiceByTestSuite .....	5
2.5. Test-plan-controller .....	6
2.5.1. save .....	6
2.5.2. findAll .....	6
2.5.3. findOne .....	7
2.5.4. update .....	7
2.5.5. deleteById .....	8
2.6. Test-suite-controller .....	9
2.6.1. save .....	9
2.6.2. findAll .....	9
2.6.3. findOne .....	10
2.6.4. update .....	10
2.6.5. deleteById .....	11
3. Definitions .....	12
3.1. NetworkService .....	12
3.2. NetworkServiceDescriptor .....	12
3.3. NetworkServiceRequest .....	12
3.4. OnPackageChangeEvent .....	12
3.5. PackageMetadata .....	13
3.6. TestDescriptor .....	13
3.7. TestPlan .....	13
3.8. TestSuite .....	14
3.9. TestSuiteOld .....	14

3.10. TestSuiteRequest .....	14
3.11. TestTag .....	14

# Chapter 1. Overview

An H2020 5GTANGO project

## 1.1. Version information

*Version* : 0.0.1

## 1.2. License information

*License* : Apache License 2.0

*License URL* : <https://github.com/sonata-nfv/tng-vnv-planner/blob/master/LICENSE>

*Terms of service* : <https://5gtango.eu/>

## 1.3. URI scheme

*Host* : tng-vnv-planner:6100

*BasePath* : /tng-vnv-planner

## 1.4. Tags

- catalogue-event-listener : Catalogue Event Listener
- network-service-controller : Network Service Controller
- package-controller : Package Controller
- test-controller : Test Controller
- test-plan-controller : Test Plan Controller
- test-suite-controller : Test Suite Controller

# Chapter 2. Resources

## 2.1. Catalogue-event-listener

Catalogue Event Listener

### 2.1.1. onChange

POST /api/v1/packages/on-change

#### Parameters

Type	Name	Description	Schema
Body	<b>onPackageChangeEvent</b> <i>required</i>	onPackageChangeEvent	<a href="#">OnPackageChangeEvent</a>

#### Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Could not find package with that package_id	No Content

#### Consumes

- [application/json](#)

#### Produces

- [/](#)

## 2.2. Network-service-controller

Network Service Controller

### 2.2.1. scheduleTest

POST /api/v1/schedulers/services

## Parameters

Type	Name	Description	Schema
Body	<b>request</b> <i>required</i>	request	<a href="#">NetworkServiceRequest</a>

## Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `/`

### 2.2.2. listTestsByService

```
GET /api/v1/schedulers/services/{serviceUuid}/tests
```

## Parameters

Type	Name	Description	Schema
Path	<b>serviceUuid</b> <i>required</i>	serviceUuid	string

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">TestSuiteOld</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Produces

- /

## 2.3. Package-controller

Package Controller

### 2.3.1. scheduleTest

POST /api/v1/schedulers

#### Parameters

Type	Name	Description	Schema
Body	<b>metadata</b> <i>required</i>	metadata	<a href="#">PackageMetadata</a>

#### Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Consumes

- `application/json`

## Produces

- /

## 2.4. Test-controller

Test Controller

### 2.4.1. scheduleTest

POST /api/v1/schedulers/tests

## Parameters

Type	Name	Description	Schema
Body	<b>request</b> <i>required</i>	request	<a href="#">TestSuiteRequest</a>

## Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `/`

### 2.4.2. listServiceByTestSuite

```
GET /api/v1/schedulers/tests/{testUuid}/services
```

## Parameters

Type	Name	Description	Schema
Path	<b>testUuid</b> <i>required</i>	testUuid	string

## Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">NetworkService</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content



## Produces

- /

## 2.5. Test-plan-controller

### Test Plan Controller

#### 2.5.1. save

POST /api/v1/test-plans

#### Parameters

Type	Name	Description	Schema
Body	<b>testPlan</b> <i>required</i>	testPlan	<a href="#">TestPlan</a>

#### Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Consumes

- [application/json](#)

## Produces

- /

#### 2.5.2. findAll

GET /api/v1/test-plans

#### Responses

HTTP Code	Description	Schema
200	OK	< object > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Produces

• /

### 2.5.3. findOne

```
GET /api/v1/test-plans/{uuid}
```

#### Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string

#### Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestPlan</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Produces

• /

### 2.5.4. update

```
PUT /api/v1/test-plans/{uuid}
```

#### Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string

Type	Name	Description	Schema
Body	<b>testPlan</b> <i>required</i>	testPlan	<a href="#">TestPlan</a>

### Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestPlan</a>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

### Consumes

- `application/json`

### Produces

- `/`

## 2.5.5. deleteById

```
DELETE /api/v1/test-plans/{uuid}
```

### Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string

### Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestPlan</a>
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

### Produces

- `/`

## 2.6. Test-suite-controller

Test Suite Controller

### 2.6.1. save

POST /api/v1/test-suites

#### Parameters

Type	Name	Description	Schema
Body	<b>testSuite</b> <i>required</i>	testSuite	<a href="#">TestSuite</a>

#### Responses

HTTP Code	Description	Schema
200	OK	No Content
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Consumes

- [application/json](#)

#### Produces

- [/](#)

### 2.6.2. findAll

GET /api/v1/test-suites

#### Responses

HTTP Code	Description	Schema
200	OK	< object > array
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

#### Produces

• /

### 2.6.3. findOne

```
GET /api/v1/test-suites/{uuid}
```

#### Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string

#### Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestSuite</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### Produces

• /

### 2.6.4. update

```
PUT /api/v1/test-suites/{uuid}
```

#### Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string
Body	<b>testSuite</b> <i>required</i>	testSuite	<a href="#">TestSuite</a>

## Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestSuite</a>
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

## Consumes

- `application/json`

## Produces

- `/`

### 2.6.5. deleteById

```
DELETE /api/v1/test-suites/{uuid}
```

## Parameters

Type	Name	Description	Schema
Path	<b>uuid</b> <i>required</i>	uuid	string

## Responses

HTTP Code	Description	Schema
200	OK	<a href="#">TestSuite</a>
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

## Produces

- `/`

# Chapter 3. Definitions

## 3.1. NetworkService

Name	Schema
<b>nsd</b> <i>optional</i>	<a href="#">NetworkServiceDescriptor</a>
<b>status</b> <i>optional</i>	string
<b>uuid</b> <i>optional</i>	string

## 3.2. NetworkServiceDescriptor

Name	Schema
<b>name</b> <i>optional</i>	string
<b>testing_tags</b> <i>optional</i>	< string > array
<b>vendor</b> <i>optional</i>	string
<b>version</b> <i>optional</i>	string

## 3.3. NetworkServiceRequest

Name	Schema
<b>service_uuid</b> <i>optional</i>	string

## 3.4. OnPackageChangeEvent

Name	Description	Schema
<b>event_name</b> <i>required</i>	Event Name <b>Example :</b> "UPDATED"	string
<b>package_id</b> <i>required</i>		string
<b>package_location</b> <i>optional</i>		string

## 3.5. PackageMetadata

Name	Schema
<b>network_services</b> <i>optional</i>	< <a href="#">NetworkService</a> > array
<b>package_id</b> <i>optional</i>	string
<b>test_suites</b> <i>optional</i>	< <a href="#">TestSuiteOld</a> > array
<b>uuid</b> <i>optional</i>	string

## 3.6. TestDescriptor

Name	Schema
<b>description</b> <i>optional</i>	string
<b>name</b> <i>optional</i>	string
<b>test_execution</b> <i>optional</i>	< <a href="#">TestTag</a> > array
<b>test_type</b> <i>optional</i>	string
<b>vendor</b> <i>optional</i>	string
<b>version</b> <i>optional</i>	string

## 3.7. TestPlan

Name	Schema
<b>index</b> <i>optional</i>	string
<b>network_service_descriptor</b> <i>optional</i>	<a href="#">NetworkServiceDescriptor</a>
<b>nsd_uuid</b> <i>optional</i>	string
<b>package_id</b> <i>optional</i>	string
<b>status</b> <i>optional</i>	string
<b>td_uuid</b> <i>optional</i>	string



Name	Schema
<b>test_descriptor</b> <i>optional</i>	<a href="#">TestDescriptor</a>
<b>uuid</b> <i>optional</i>	string

## 3.8. TestSuite

Name	Schema
<b>status</b> <i>optional</i>	string
<b>test_plans</b> <i>optional</i>	< <a href="#">TestPlan</a> > array
<b>user_uuid</b> <i>optional</i>	string
<b>uuid</b> <i>optional</i>	string

## 3.9. TestSuiteOld

Name	Schema
<b>package_id</b> <i>optional</i>	string
<b>testd</b> <i>optional</i>	<a href="#">TestDescriptor</a>
<b>uuid</b> <i>required</i>	string

## 3.10. TestSuiteRequest

Name	Schema
<b>test_uuid</b> <i>required</i>	string

## 3.11. TestTag

Name	Schema
<b>tag_id</b> <i>optional</i>	string
<b>test_tag</b> <i>optional</i>	string