

STARSDK API

Documentation

April 10, 2020

Contents

Introduction	2
Introduction	2
Web Service	3
Introduction	3
/v1/	3
Responses	3
200 Success	3
/v1/exposed	3
Request Headers	3
Request Body	3
Responses	3
200 Success	3
400 Bad Request	4
/v1/exposed/dayDateStr	4
Path Parameters	4
Responses	4
200 Success	4
400 Bad Request	4
Models	4
ExposedOverview	4
Exposee	4
ExposeeAuthData	5
ExposeeRequest	5

Introduction

Introduction

This serves as a technical overview of the sdk-backend, with requests and all models. Where possible we provide examples on how the payload could look like. The clients should take this document resp. the swagger file as a reference. The Swagger-File can be update during builds and hence is easy to maintain.

The specification is not yet finalized. Any feedback is welcome!

Web Service

Introduction

A test implementation is hosted on: <https://ws-sdk-dev.next-step.io>.

This part of the documentation deals with the different API-Endpoints. Examples to fields are put into the models section to increase readability. Every request lists all possible status codes and the reason for the status code.

/v1/

`get /v1/`

hello

Responses

200 Success

Type
string

/v1/exposed

`post /v1/exposed`

Endpoint used to publish the SecretKey.

Request Headers

Field	Type	Description
User-Agent *	string	App Identifier (PackageName/BundleIdentifier) + App-Version + OS (Android/iOS) + OS-Version

Request Body

Field	Type	Description
*	ExposeeRequest	The ExposeeRequest contains the SecretKey from the guessed infection date, the infection date itself, and some authentication data to verify the test result

Responses

200 Success

Returns OK if successful

Type
string

400 Bad Request

Key is not base64 encoded

/v1/exposed/dayDateStr

```
get /v1/exposed/{dayDateStr}
```

Path Parameters

Field	Type	Description
dayDateStr *	string	The date for which we want to get the SecretKey. Important don't use dashes.

Responses

200 Success

Returns ExposedOverview, which includes all secretkeys which were published on dayDateStr.

Type
ExposedOverview

400 Bad Request

If dayDateStr has the wrong format

Models

All Models, which are used by the Endpoints are described here. For every field we give examples, to give an overview of what the backend expects.

ExposedOverview

Field	Type	Description	Example
exposed	Exposee[]	A list of all SecretKeys	c.f.Exposeemodel

Exposee

Field	Type	Description	Example
key *	string	The SecretKey of a exposed as a base64 encoded string. The SecretKey consists of 32 bytes.	QUJDREVGR0hJS ktMTU5PUFFSU1 RVVldYWVpBQkN ERUY=
onset *	string	The onset of an exposed.	2020-04-06

ExposeeAuthData

Field	Type	Description	Example
value	string	Authentication data used to verify the test result (base64 encoded)	TBD

ExposeeRequest

Field	Type	Description	Example
key *	string	The SecretKey used to generate EphID base64 encoded.	QUJDREVGR0hJS ktMTU5PUFFSU1 RVVldYWVpBQkN ERUY=
onset *	string	The onset date of the secret key. Format: yyyy-MM-dd	2019-01-31
authData *	ExposeeAuthData	AuthenticationData provided by the health institutes to verify the test results	TBD