

STARSDK API

Documentation

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Introduction

Introduction

This serves as a technical overview of the backend, with requests and all models. Where possible we provide examples on how the payload could look like.

Web Service

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
```

Enpoint used to publish the SecretKey.

Request Headers

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

Response 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

Multiple possible errors:

- Key is not base64
- No AuthData given

/v1/exposed/dayDateStr

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

Path Parameters

Field	Type	Description
dayDateStr *	string	The date for which we want to get the SecretKey.

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.

AuthDataMethod

- NONE
- REDEEM_CODE

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	TBD
method	AuthDataMethod	Specify the method, which should be used to verify data. Probably unused since, if multiple different methods used, we could trace back from which health institute the result came from.	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