

# STARSDK API

## Documentation

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# 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!

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# 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

Key is not base64 encoded

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## /v1/exposed/dayDateStr

`get /v1/exposed/{dayDateStr}`

### Path Parameters

Field	Type	Description
<code>dayDateStr</code> *	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.

### ExposedOverview

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

### Exposee

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

### ExposeeAuthData

Field	Type	Description	Example
<code>value</code>	string	Authentication data used to verify the test result	TBD

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## 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