

# STARSDK API

## Documentation

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# Contents

<b>Introduction</b>	<b>2</b>
Introduction	2
<b>Web Service</b>	<b>3</b>
/v1/	3
Responses . . . . .	3
200 Success . . . . .	3
/v1/exposed	3
Request Headers . . . . .	3
Response 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
<b>Models</b>	<b>4</b>
AuthDataMethod . . . . .	4
ExposedOverview . . . . .	4
Exposee . . . . .	5
ExposeeAuthData . . . . .	5
ExposeeRequest . . . . .	5

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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

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## 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
<b>dayDateStr</b> *	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
<b>exposed</b>	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