
Sidetree Node Documentation

Release 1.0.0

SecureKey Technologies Inc.

Mar 04, 2021

Contents

1	Sidetree Protocol Go Implementation	3
1.1	Sidetree REST API	3
2	Have Questions?	5



Sidetree Node implements SideTree API anchored against a ledger. API follows [Sidetree Protocol Specification](#).

Sidetree Protocol Go Implementation

Sidetree node exposes a set of REST API that enables the creation of new DIDs and their initial state, subsequent DID Document updates and DID Document resolutions. API uses design first approach to generate a server stub for API using `go swagger`. The API structure is defined in `swagger.yaml`.

1.1 Sidetree REST API

DID and DID Document Creation

Request Path

```
Post /sidetree/v1/operations
```

DID Document resolution

Request Path

```
GET /sidetree/v1/identifiers/{DidOrDidDocument}
```

Updating a DID Document

Request Path

```
Post /sidetree/v1/operations
```

DID Deletion

Request Path

```
Post /sidetree/v1/operations
```

DID Resolution

The Request handler resolve operation uses Operation processor resolves method by passing *input parameter DIDUniqueSuffix* to its DID document. Operation processor resolve iterate over all operations and apply each operation in chronological order to build a complete DID Document.

Note: To follow the sample Request and Response for each of the above operation. Refer to [Sidetree Protocol](#).

CHAPTER 2

Have Questions?

We try to maintain a comprehensive set of documentation for various audiences. However, we realize that often there are questions that remain unanswered. For any technical questions relating to TrustBloc not answered here, please use [Gitter](#) (an alternative to Slack) on the #trustbloc-questions channel.

Note: Please, when asking about problems you are facing tell us about the environment in which you are experiencing those problems including the OS, which version of Docker you are using, etc.
