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# **Sidetree Node Documentation**

***Release 0.0.1***

**SecureKey Technologies Inc.**

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



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## Sidetree Protocol Go Implementation

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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/0.0.1/operations
```

#### DID Document resolution

Request Path

```
GET /sidetree/0.0.1/identifiers/{DidOrDidDocument}
```

#### Updating a DID Document

Request Path

```
Post /sidetree/0.0.1/operations
```

#### DID Deletion

Request Path

```
Post /sidetree/0.0.1/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.

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

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## CHAPTER 2

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### Have Questions?

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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.

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**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.

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