

# Private Keys Module

The PrivateKeysModule module provides an interface for setting, getting and managing private keys for a ThresholdKey object.

To use the PrivateKeysModule in your Android project, you will need to import the module as follows:

```
import
```

```
com . web3auth . tkey . ThresholdKey . ThresholdKey ; import
```

com . web3auth . tkey . ThresholdKey . Modules . PrivateKeysModule ; PrivateKeysModule is a class that provides the following methods:

| Function              | Description                           | Arguments  | Async | return            |
|-----------------------|---------------------------------------|--|-------|-------------------|
| setPrivateKey         | Set private key to corresponding tKey | thresholdKey: ThresholdKey, key: String?, format: String | Yes   | Bool              |
| getPrivateKeys        | Get Private Keys                      | thresholdKey: ThresholdKey                               | No    | [[String:String]] |
| getPrivateKeyAccounts | Get private Key accounts              | thresholdKey: ThresholdKey                               | No    | [String]          |

## setPrivateKey()

[^](#)

```
public static void setPrivateKey(ThresholdKey thresholdKey, @Nullable String key, String format, ThresholdKeyCallback callback)
```

Sets a private key for a ThresholdKey object.

### Parameters<sup>a</sup>

Parameters Type Description thresholdKey ThresholdKey A ThresholdKey object. key String? A private key in hex-encoded/mnemonic string format format String A string representing the format of the private key. Returns

- Bool: A boolean indicating whether the operation succeeded or not.

## getPrivateKeys()

[^](#)

```
public static String getPrivateKeys(ThresholdKey thresholdKey) throws RuntimeException
```

Returns a list of private keys for a ThresholdKey object.

### Parameters<sup>a</sup>

Parameters Type Description thresholdKey ThresholdKey A ThresholdKey object. Returns

- [[String:String]]: A list of private keys as dictionaries.

Throws

- RuntimeException: If there is an error in during runtime.

## getPrivateKeyAccounts()

[^](#)

```
public static ArrayList getPrivateKeyAccounts(ThresholdKey thresholdKey) throws RuntimeException, JSONException
```

- Returns a list of accounts for which private keys are available.

### Parameters<sup>a</sup>

Parameters Type Description thresholdKey ThresholdKey A ThresholdKey object. Returns

- ArrayList
- : A list of accounts for which private keys are available.

Throws

- `RuntimeError`: If there is an error in during runtime.
- `JSONException`: If there is an error in JSON parsing. [Edit this page](#) [Previous Modules](#) [Next Security Question Module](#)