

# 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>^</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>^</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>^</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](#)