

# Private Keys Module - tKey iOS SDK

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

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

import tkey\_pkg PrivateKeysModule is a class that provides the following methods:

Function	Description	Arguments	Async	return
set_private_key	Set private key to corresponding tKey	threshold_key: ThresholdKey, key: String?, format: String	Yes	Bool
get_private_keys	Get Private Keys	threshold_key: ThresholdKey	No	[[String:String]]
get_private_key_accounts	Get private Key accounts	threshold_key: ThresholdKey	No	[String]

## set\_private\_key()

[^](#)

set\_private\_key(threshold\_key: ThresholdKey, key: String?, format: String) async throws -> Bool

Sets a private key for a ThresholdKey object.

### Parameters<sup>[^](#)</sup>

Parameters Type Description threshold\_key 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.

## get\_private\_keys()

[^](#)

get\_private\_keys(threshold\_key: ThresholdKey) throws -> [[String:String]]

Returns a list of private keys for a ThresholdKey object.

### Parameters<sup>[^](#)</sup>

Parameters Type Description threshold\_key ThresholdKey A ThresholdKey object. Returns

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

Throws

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

## get\_private\_key\_accounts()

[^](#)

get\_private\_key\_accounts(threshold\_key: ThresholdKey) throws -> [String]

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

### Parameters<sup>[^](#)</sup>

Parameters Type Description threshold\_key ThresholdKey A ThresholdKey object. Returns

- [String]: A list of accounts for which private keys are available.

Throws

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