

Seed Phrase Module - tKey iOS SDK

SeedPhraseModule is a Swift module that provides functionality for setting, changing, getting, and deleting seed phrases for a ThresholdKey object.

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

import tkey_pkg SeedPhraseModule is a class that provides the following methods:

Function Description	Arguments	Async	return
set_seed_phrase	Set seed phrase to corresponding tKey threshold_key: ThresholdKey, format: String, phrase: String?, number_of_wallets: UInt32	Yes	void
change_phrase	Changes specific seed phrase threshold_key: ThresholdKey, old_phrase: String, new_phrase: String	Yes	void
get_seed_phrases	Gets all seed phrases stored in tKey. threshold_key: ThresholdKey	Yes	[seedPhraseStruct]
delete_seed_phrase	Delete the seed phrase threshold_key: ThresholdKey, phrase: String	Yes	void

set_seed_phrase()

[^](#)

set_seed_phrase(threshold_key: ThresholdKey, format: String, phrase: String?, number_of_wallets: UInt32) async throws

This function sets the seed phrase for the given ThresholdKey.

Parameters^{[^](#)}

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to set the seed phrase for.
format	String	The format of the seed phrase.
phrase	String?	The seed phrase. If nil, a random seed phrase is generated.
number_of_wallets	UInt32	The number of wallets to derive from the seed phrase. Returns

- Void

Throws

- Error: An error if the operation fails.

change_phrase()

[^](#)

change_phrase(threshold_key: ThresholdKey, old_phrase: String, new_phrase: String) async throws

This function changes the seed phrase of the given ThresholdKey. The old_phrase parameter specifies the old seed phrase, and the new_phrase parameter specifies the new seed phrase. The function is asynchronous and can throw an error.

Parameters^{[^](#)}

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to change the seed phrase for.
old_phrase	String	The old seed phrase.
new_phrase	String	The new seed phrase. Returns

- Void

Throws

- Error: An error if the operation fails.

get_seed_phrases()

[^](#)

get_seed_phrases(threshold_key: ThresholdKey) throws -> [seedPhraseStruct]

This function returns an array of seedPhraseStruct objects, which contain the seed phrases and their type for the given ThresholdKey.

Parameters^{[^](#)}

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to get the seed phrases for. Returns

- seedPhraseStruct

Throws

- Error: An error if the operation fails.

delete_seed_phrase()

[^](#)

delete_seed_phrase(threshold_key: ThresholdKey, phrase: String) async throws

This method deletes a seed phrase from the given ThresholdKey.

Parameters^{[^](#)}

Parameters Type Description threshold_key ThresholdKey The ThresholdKey instance from which to delete the seed phrase. phrase String The seed phrase to delete, as a string. Returns

- Void

Throws

- Error: An error if the operation fails. [Edit this page](#) [Previous Security Question](#) [Next Share Serialization](#)