Security Question Module - tKey iOS SDK

SecurityQuestionModule is a Swift module that provides functionality for setting, changing, getting, and deleting security question and password for a ThresholdKey object.

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

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

Function Description Arguments Async return generate_new_share generate a new Share with security question threshold_key: ThresholdKey, questions: String, answer: String Yes GenerateShareStoreResult input_share input share from security question threshold_key: ThresholdKey, answer: String Yes Bool change_question_and_answer Get private Key accounts threshold_key: ThresholdKey, questions: String, answer: String Yes Bool store_answer Store answer of security question in tKey threshold_key: ThresholdKey, answer: String Yes Bool get_answer Get answer of security question stored in tKey threshold_key: ThresholdKey No String get_questions Get security questions stored in tKey threshold_key: ThresholdKey No String

generate_new_share()

[â](#)

generate_new_share(threshold_key: ThresholdKey, questions: String, answer: String) async throws -> GenerateShareStoreResult

This function generates a new share for a given ThresholdKey, along with the user's security question and answer.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey object representing the key for which to generate a new share. questions String A String representing the user's security question. answer String A String representing the user's security answer. Returns

- GenerateShareStoreResult: A struct that contains information about the new share that was generated.

Throws

- Error: An error if the operation failed.

input_share()

[â](#)

input_share(threshold_key: ThresholdKey, answer: String) async throws -> Bool

A method that inputs a share for a threshold key based on a security question and answer.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey instance for which to input a share. answer String A String representing the answer to the security questions. Returns

- Bool: true if the share was successfully input, false otherwise.

Throws

- Error: An error if the operation failed.

change_question_and_answer()

[â](#)

change_question_and_answer(threshold_key: ThresholdKey, questions: String, answer: String) async throws -> Bool

A method that changes the security questions and answers for a threshold key.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey instance for which to change the security questions and answers. questions String A String representing a new set of security questions to be answered. answer String A String representing the answer to the security questions. Returns

- Bool: true if the security questions and answers were successfully changed, false otherwise.

Throws

- Error: An error if the operation failed.

store_answer()

[â](#)

store_answer(threshold_key: ThresholdKey, answer: String) async throws -> Bool

A method that stores the answer to a security question for a threshold key.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey instance for which to store the answer to a security question. answer String A String representing the answer to the security question. Returns

- Bool: true if the answer was successfully stored, false otherwise.

Throws

- Error: An error if the operation failed.

get_answer()

[â](#)

get_answer(threshold_key: ThresholdKey) throws -> String

Get answer of security question stored in tKey.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey instance for which to store the answer to a security question. Returns

- String: A String representing the answer to the security questions.

Throws

- Error: An error if the operation failed.

get_questions()

[â](#)

get_questions(threshold_key: ThresholdKey) throws -> String

This method gets security questions stored in tKey.

Parameters[â](#)

Parameters Type Description threshold_key ThresholdKey A ThresholdKey instance for which to store the answer to a security question. Returns

- String: A String representing the user's security question.

Throws

- Error: An error if the operation failed. [Edit this page](#) [Previous Private Keys](#) [Next Seed Phrase](#)