

Web Storage Module - tKey JS SDK

[@tkey/web-storage](#)

â

The Web Storage Module helps you store and recall key shares in the from local and file storage.

Installationâ

- npm
- Yarn
- pnpm

npm install --save @tkey/web-storage yarn add @tkey/web-storage pnpm add @tkey/web-storage

Initializationâ

Parametersâ

params

- canUseFileStorage?
- :boolean

import

{

WebStorageModule

}

from

"@tkey/web-storage" ; const webStorageModule =

new

WebStorageModule () ;

Usageâ

With theWebStorageModule , you have access to the multiple functions as mentioned in the type reference, however, the most important ones are:

Get ShareStore from Storageâ

getDeviceShare(): Promise;

Exampleâ

const share =

await (tKey . modules . webStorage

as

WebStorageModule) . getDeviceShare () ;

Store Device Share on Web Local Storageâ

storeDeviceShare(deviceShareStore: ShareStore, customDeviceInfo?: StringifiedType)

- deviceShareStore
- : TheShareStore
- object to store.

- customDeviceInfo?
- : Information about the device to store.

Example

```
const generateShareResult =
await tKeyInstance . generateNewShare ( ) ; const share =
await tKeyInstance . outputShareStore ( generateShareResult . newShareIndex ) ; await ( tKey . modules . webStorage
as
WebStorageModule ) . storeDeviceShare ( share ) ;
```

Type Reference

WebStorageModule

class

WebStorageModule

implements

IModule

{ moduleName :

string ; tbSDK :

ITKeyApi ; canUseFileStorage :

boolean ; constructor (canUseFileStorage ? :

boolean) ; setFileStorageAccess () :

Promise < void

; setModuleReferences (tbSDK :

ITKeyApi) :

void ; initialize () :

Promise < void

; storeDeviceShare (deviceShareStore :

ShareStore , customDeviceInfo ? :

StringifiedType) :

Promise < void

; storeDeviceShareOnFileStorage (shareIndex :

BNString) :

Promise < void

; getDeviceShare () :

Promise < ShareStore

; inputShareFromWebStorage () :

Promise < void

; }

ShareStore

[â](#)

class

ShareStore

implements

ISerializable

{ share :

Share ; polynomialID :

PolynomialID ; constructor (share :

Share , polynomialID :

PolynomialID) ; static

fromJSON (value :

StringifiedType) :

ShareStore ; toJSON () :

StringifiedType ; } interface

ISerializable

{ toJSON () :

StringifiedType ; } [Edit this page](#) [Previous Modules](#) [Next React Native Storage](#)