



www.kilt.io

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How to Add a Timestamp Using DIDsign

Before you begin, you need a Sporrان wallet and a DID. (In the future other wallets will support DIDs on the KILT blockchain, and the process may differ slightly in those wallets.)

If you don't already have these, follow our guides to setting up Sporrان and getting a DID.

Once you have your DID, signing a file is free.

Note, adding a timestamp requires a small transaction fee (around 0.0045 KILT, as it is created as blocktime and added to the blockchain,

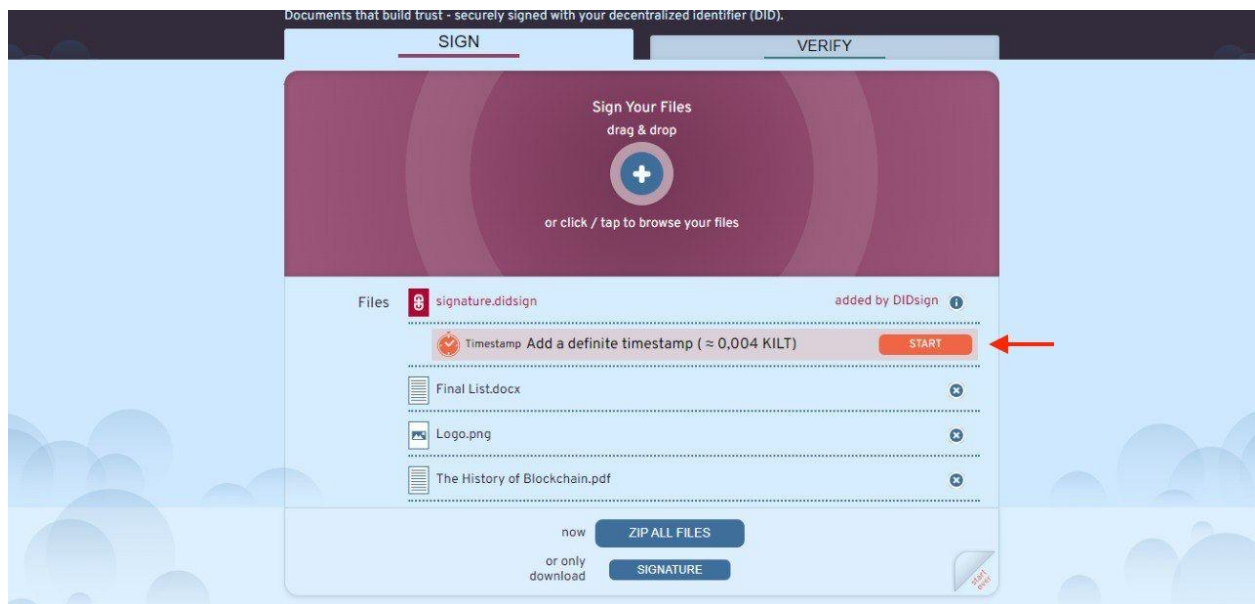
Verifying a file is always free and requires no DID or Sporrان.

Adding a Timestamp

For the basic steps on signing with DIDsign, see our [How-to guide](#).

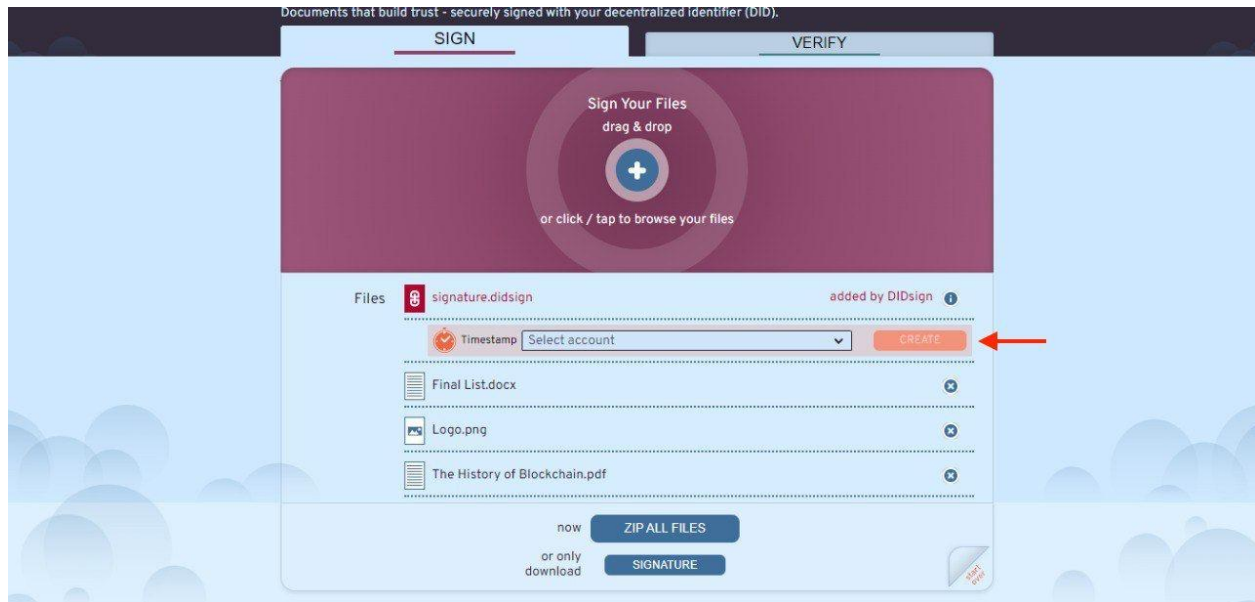
After signing, your DIDsign signature will be added to the list of your files, along with the option to have the time of signing recorded on the blockchain. To add a timestamp:

Step 1: Click START



Step 2: Choose the account you wish to pay the transaction fee from. (This may be the same or a different account. Please ensure it contains enough KILT to cover the transaction fee, currently around 0.004 KILT.)

Step 3: Click “CREATE” next to the account selected.

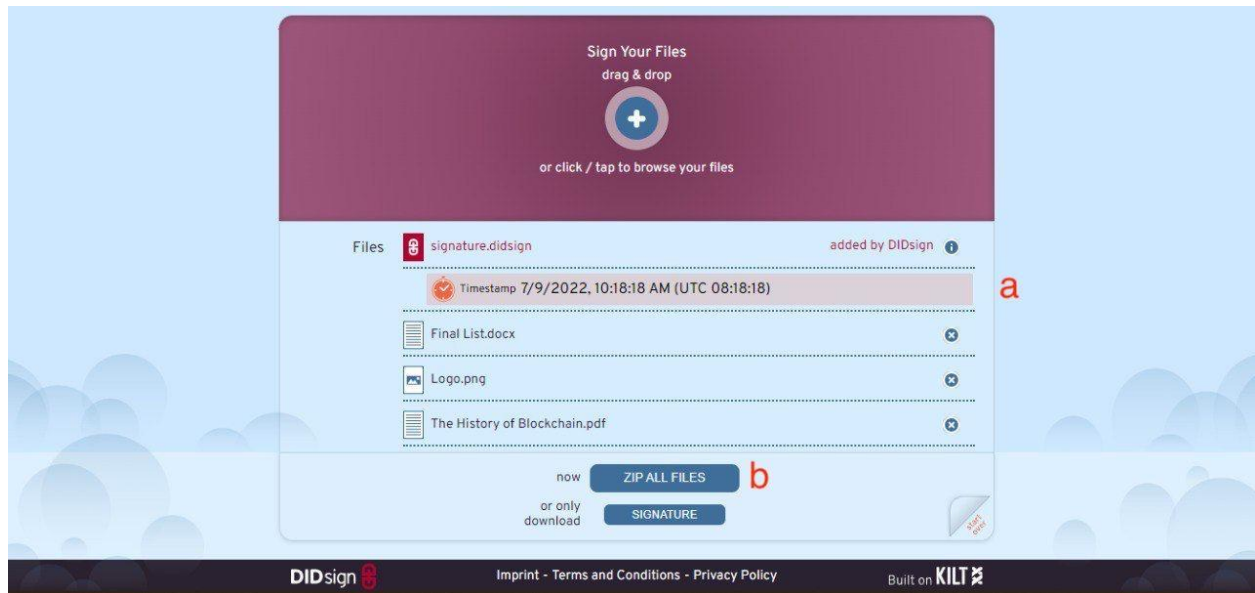


This will trigger the Sporrán wallet to pop up.

Step 4: Sign in Sporrán.

Your timestamp will then be added to the KILT blockchain. Important: Leave the tab open until the transaction is complete.

When complete, the timestamp will show the date and time the file was signed in both local and coordinated universal time (UTC) [a].



Step 5: Download the signed file by clicking “ZIP ALL FILES” [b]. This will download them to your computer. Save the zip file.

Note, your data belongs to you – DIDsign doesn’t keep a copy of it – so all files are deleted from the browser when it is closed at the end of the session. If you close the browser or switch to the verifier tab before downloading and saving your signed file you will lose it.

That’s it!

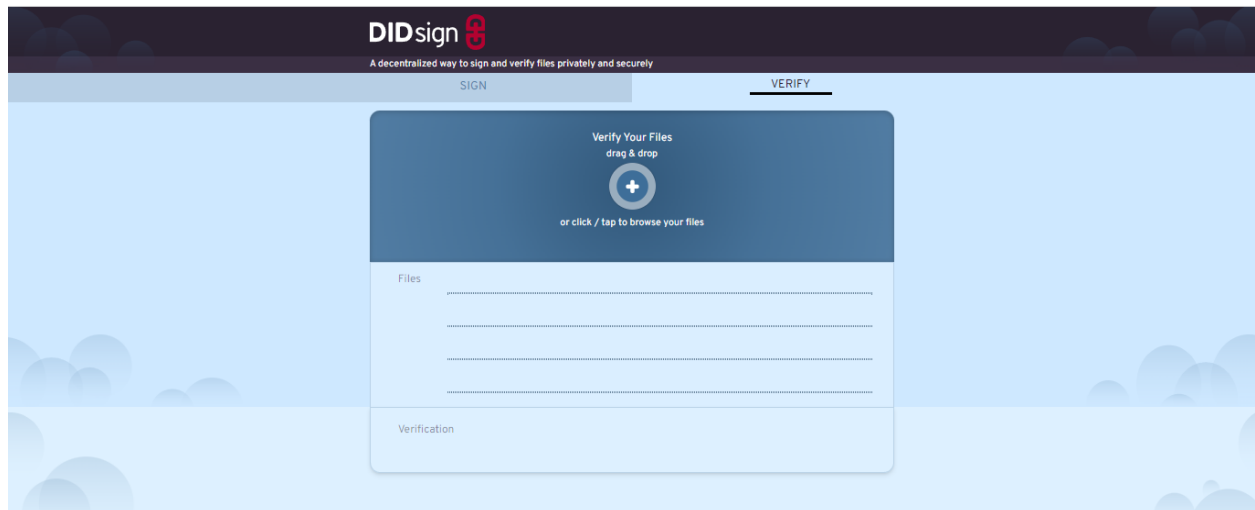
You can now send your zip file for verification to anyone you choose via your preferred medium (email, Telegram, WhatsApp, etc.).

Verifying Files

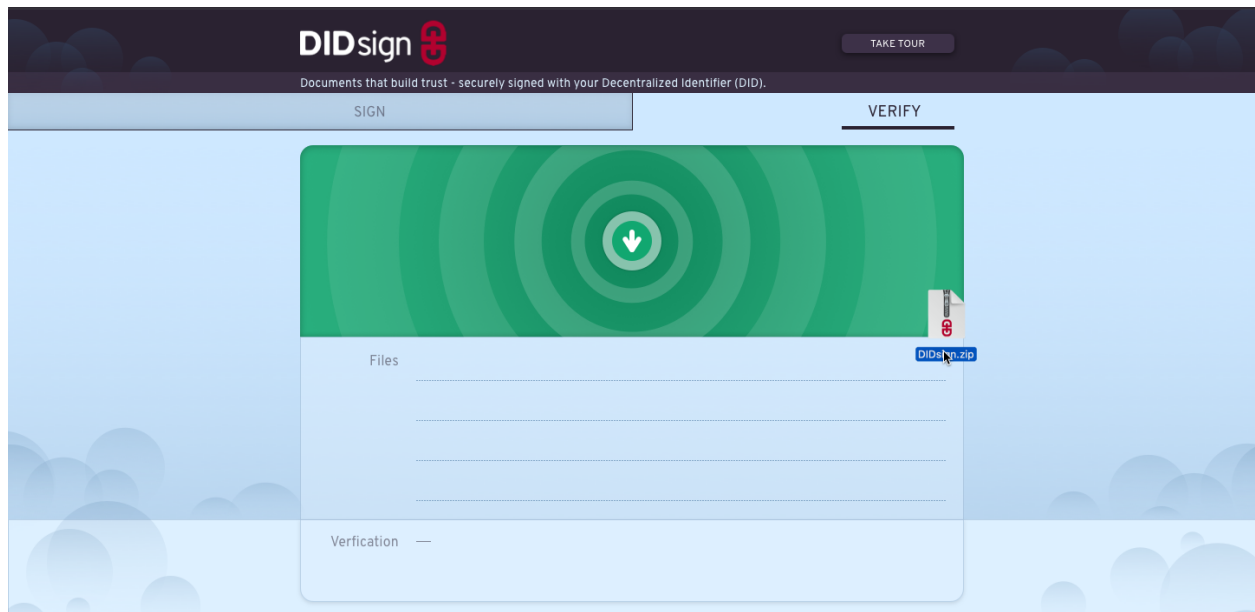
Verifying is free and the verifier doesn't need a DID or Sporrán wallet. They just need to go to DIDsign.io and add your zip file in the Verify section, following the process outlined below:

Step 1: Go to DIDsign.io

Step 2: Click the “VERIFY” tab (top right).



Step 3: Drag & drop the file you want to verify into the dropzone, or add from files stored on your computer.



or click / tap to browse your files

ZIP

DiDesign-files (7).zip

Files

signature.didsign

Final List.docx

Logo.png

The History of Blockchain.pdf

Verification

Signed By

w3n:fabulous

did:killt:4rbJ1MimyMdk1rgDw4r8tH9kyV9xTTnwQg5RWBmaTRuPMvaXC

Signed At

7/9/2022, 10:18:18 AM (UTC 08:18:18)

Subscan

d

Signature

0x62c25ba99504c1e5bd62f93ed00299e3a422a3c61809a5469f00832659d1d352a

c3d0117a19444e5c0e8689cd69a87a1040760493f53e9295b0cbb94c74a3580

Service

Email

FETCH

Endpoints

https://raw.githubusercontent.com/Slahte8/Credentials/main/Email%201-Email-presentation(1).json

For further details, the verifier can click “Subscan” next to the date and time to check the registration of the timestamp on the blockchain.

Subscan

Subscan is a blockchain explorer that shows details of the timestamp on the blockchain, including:

- The date and time the file was signed in UTC time [e]
- The number of the block it was recorded on [f]
- The hash on the blockchain representing the timestamp [g]
- The sender's address (the account the transaction was paid from) [h]
- The cost of the transaction (in KILT) [i]
- The remark, which contains the DIDsign signature [j]
- The signature of the transaction [k]

The screenshot displays the Subscan interface for a specific transaction. At the top, the transaction ID 'Extrinsic#1741817-2' is shown. A search bar is located in the top right corner. The main content area lists various transaction details, each with a corresponding letter label in a red circle:

- Timestamp** [e]: 2022-07-09 08:18:18 (+UTC)
- Block Time**: 11 mins ago
- Block** [f]: 1741817
- Life Time**: 1741811-1741843
- Extrinsic Hash** [g]: 0x07c0965cc732599b7695a07228e2cc05c680f6bab9144260dacc8b70c81646c
- Module**: System
- Call**: Remark
- Sender** [h]: AsqvqVEfukJYfZansPxaZzhBEEsPjSdJkMCBnBJUMoa8Tp
- Estimated Fee**: 0.004109471747431 KILT
- Used Fee** [i]: 0.004109471747431 KILT
- Nonce**: 24
- Result**: Success
- Parameters** [j]: A JSON object containing a 'remark' field with a long hexadecimal string.
- Signature** [k]: A long hexadecimal string.

At the bottom, there are tabs for 'Events (5)' and 'Comment', and a 'View All' button.

IMPRINT

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Or go to <https://support.kilt.io/support/home> and click on “Contact Us”

Requirements according to § 5 TMG (Germany)

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