

Peerplays Sidechain Deposit - Token Flow

- 1

A user with BTC decides to make a Peerplays account. They visit the Peerplays Dex and create a new account.
- 2

They use the deposit function of the Dex to deposit their BTC to their Peerplays account. To do so, the Dex asks them to create a deposit address and send the BTC to it.
- 3

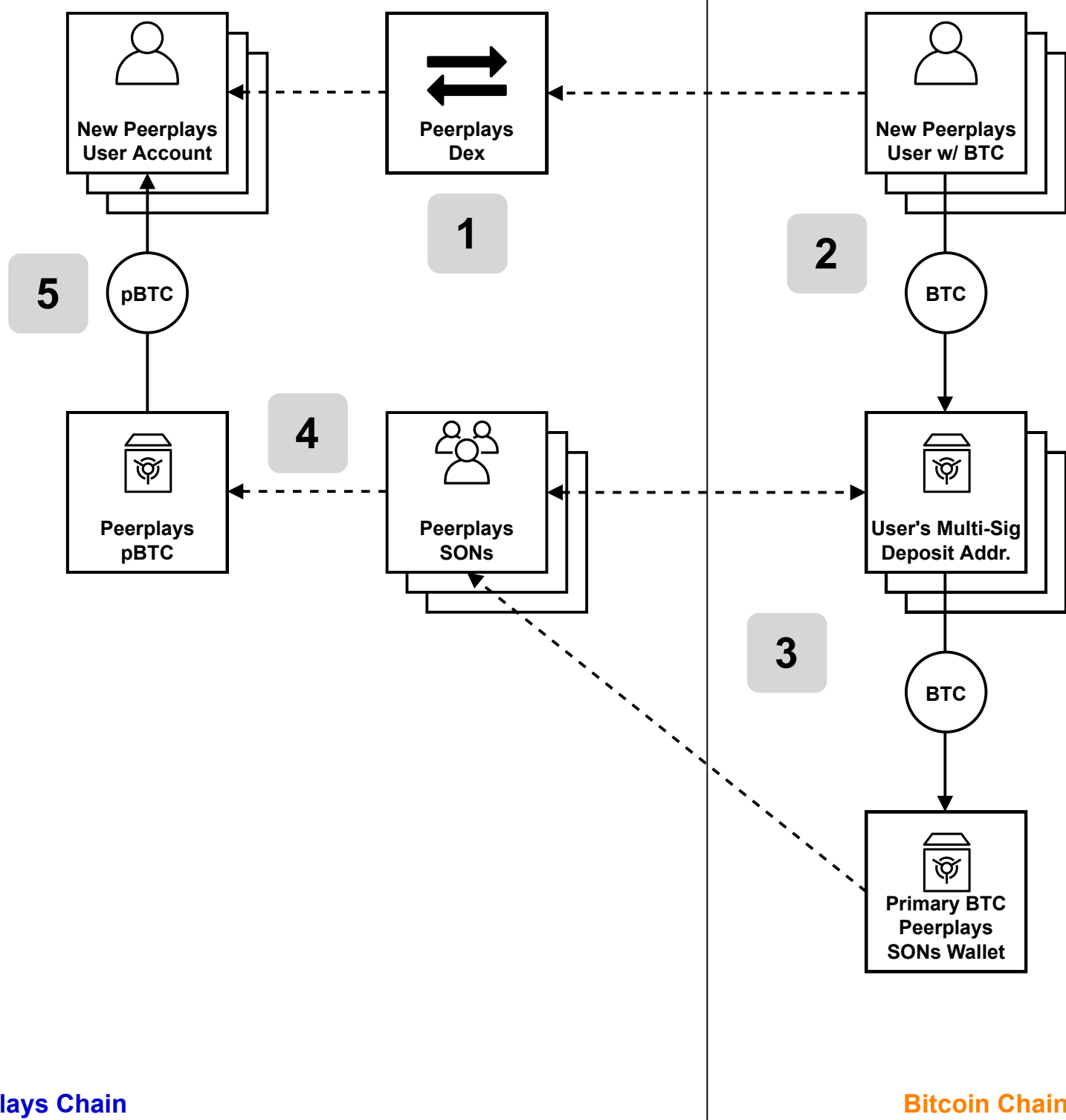
The deposit address, created by the Dex, is a multi-signature address. The User shares this address with all Peerplays Sidechain Operator Nodes (SONs).

When the BTC is sent to the deposit address, the Peerplays SONs pick up the transaction, validate the data, and send the funds from the deposit address to a Peerplays SONs controlled wallet on the BTC chain. These funds are now locked.
- 4

When the BTC is sent to the Peerplays SONs BTC wallet, the Peerplays SONs pick up the transaction, validate the data, and release the same amount of pBTC to the Peerplays account of the deposit address.
- 5

The user has successfully deposited their BTC into their new Peerplays account! Their pBTC is backed by the BTC stored in the Peerplays SONs BTC wallet.

It can be used like any other Peerplays asset: traded, staked, sent and recieved, bought and sold, and more!



Peerplays Sidechain Withdraw - Token Flow

- 1

A user with pBTC decides to withdraw some to their BTC account. They visit the Peerplays Dex and use the withdraw function to initiate the transaction. At this point, the user supplies their withdraw address on the BTC chain.
- 2

The pBTC is sent to an account on the Peerplays chain that is controlled by the Peerplays SONs. The Peerplays SONs listen to this account for transactions to initiate the process.
- 3

When the withdraw is triggered, the Peerplays SONs send the BTC from the Peerplays SONs BTC wallet to the user's withdraw address.
- 4

At this point, the user can withdraw their BTC from their withdraw address. They have successfully withdrawn their BTC from the Peerplays chain back to the Bitcoin chain!

