

# Peerplays Sidechain Deposit - Token Flow

- 1

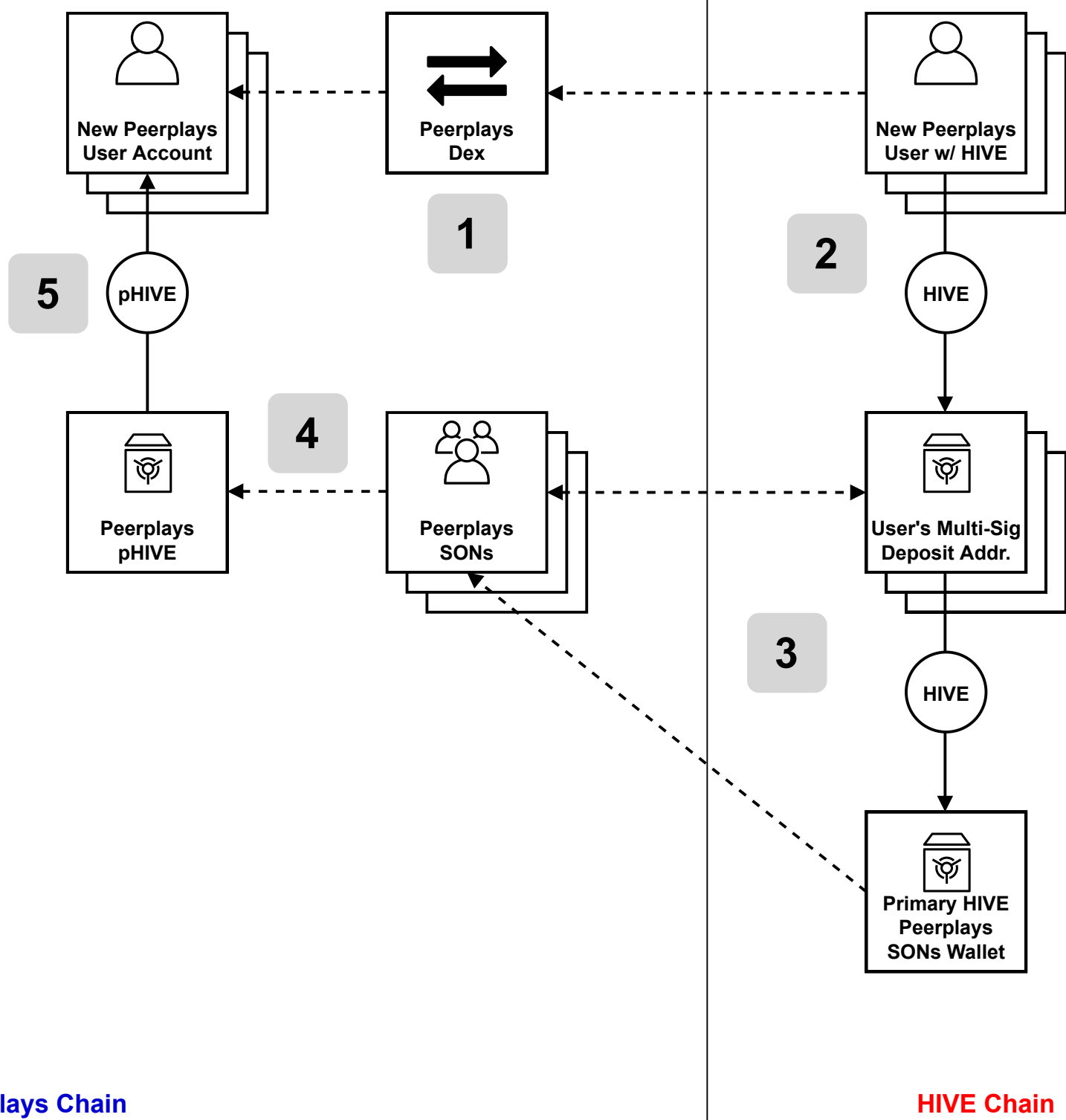
A user with HIVE decides to make a Peerplays account. They visit the Peerplays Dex and create a new account.
- 2

They use the deposit function of the Dex to deposit their HIVE to their Peerplays account. To do so, the Dex asks them to create a deposit address and send the HIVE 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 HIVE 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 HIVE chain. These funds are now locked.
- 4

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

The user has successfully deposited their HIVE into their new Peerplays account! Their pHIVE is backed by the HIVE stored in the Peerplays SONs HIVE 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 pHIVE decides to withdraw some to their HIVE 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 HIVE chain.
- 2

The pHIVE 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 HIVE from the Peerplays SONs HIVE wallet to the user's withdraw address.
- 4

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 They have successfully withdrawn their HIVE from the Peerplays chain back to the HIVE chain!

