Peerplays Sidechain Deposit - HIVE Coin Flow

1 A user with HIVE decides to make a Peerplays account. They visit the Peerplays DEX and create a new account.
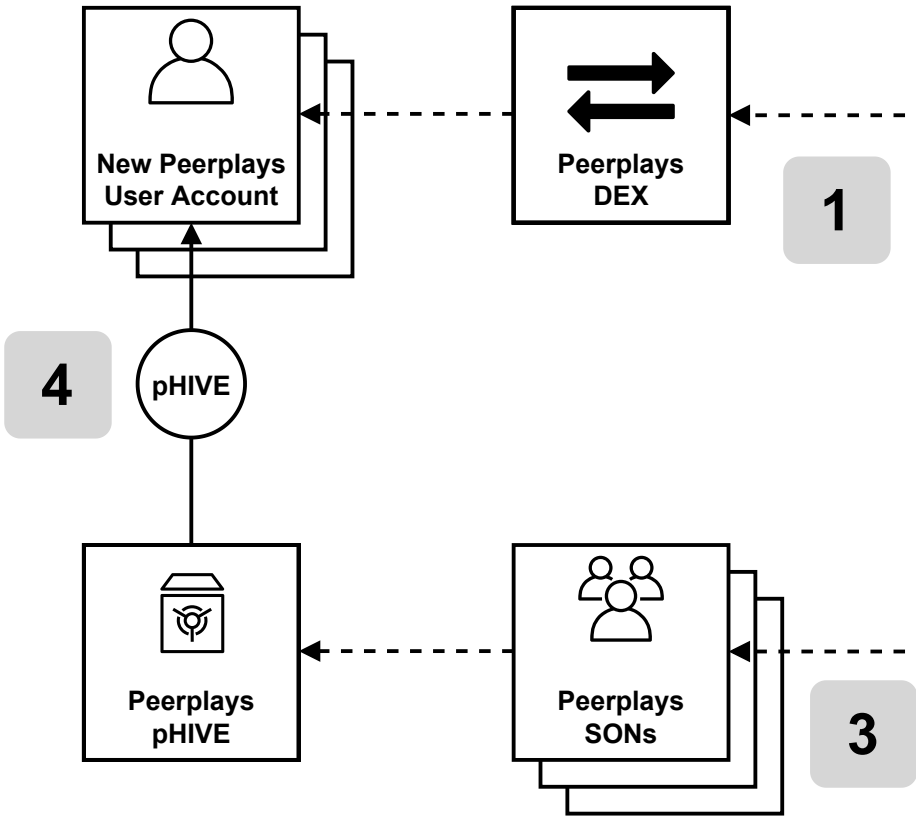
2 They wish to deposit their HIVE to their Peerplays account. To do so, the DEX asks them to send the funds to the Peerplays SONs Hive account on the Hive blockchain with the receiving Peerplays account in the transaction memo.

3 When the HIVE is sent to the Peerplays SONs Hive account, the Peerplays SONs pick up the transaction, validate the data, and release the same amount of pHIVE to the proper Peerplays account.
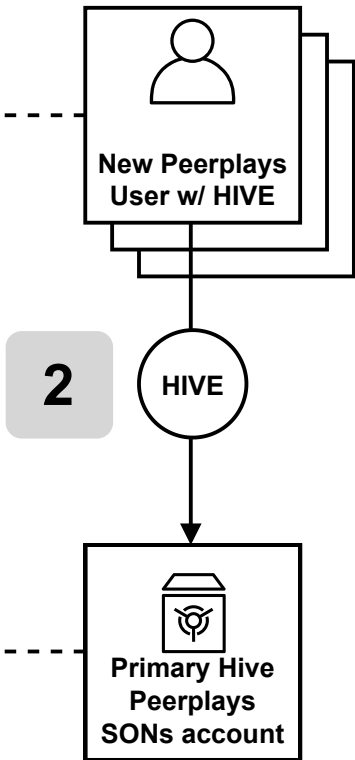
Since the receiving account is in the memo, the SONs know where to send the pHIVE.

4 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 account.

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

New Peerplays User Account · Peerplays DEX · **1** · New Peerplays User w/ HIVE

4 pHIVE · **2** HIVE

Peerplays pHIVE · Peerplays SONs · **3** · Primary Hive Peerplays SONs account

Peerplays Chain · **Hive Chain**

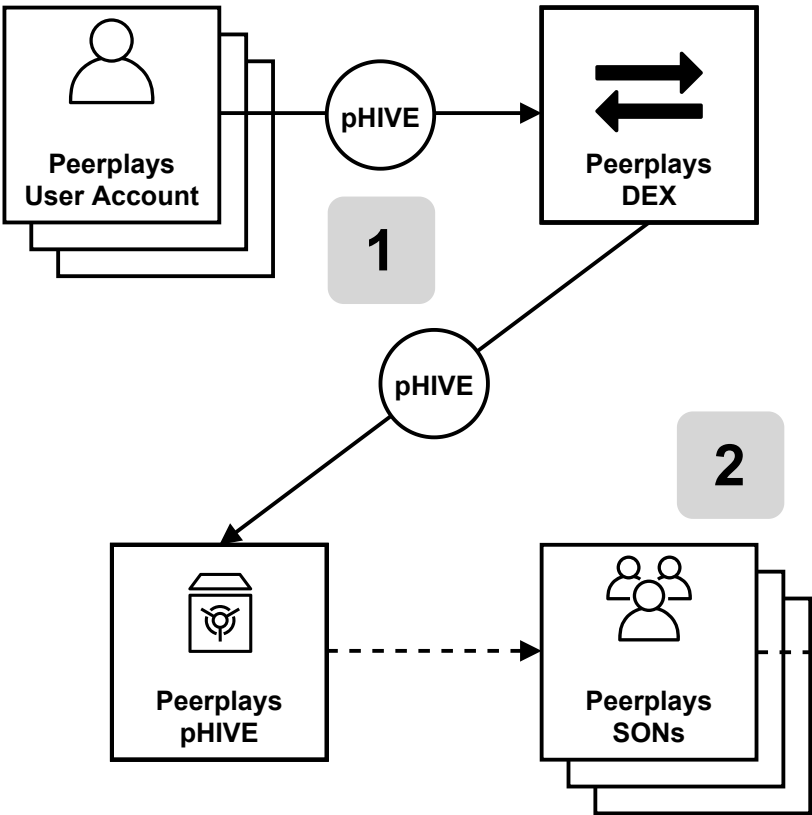# Peerplays Sidechain Withdraw - HIVE Coin Flow

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.

The user specifies where to send the HIVE on the Hive chain by listing the Hive account in the memo field of the withdraw transaction.
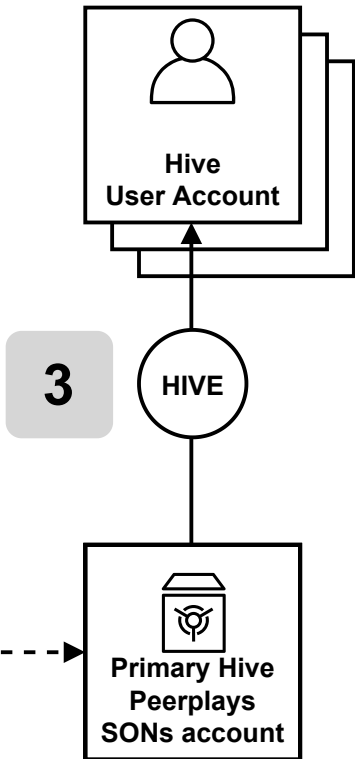
The pHIVE is sent to an account on the Peerplays chain that is controlled by the Peerplays SONs. The Peerplays SONs listen to this account for transactions to initiate the process.

2 When the withdraw is triggered, the Peerplays SONs send the HIVE from the Peerplays SONs Hive account to the Hive address listed in the memo field of the withdraw transaction.

3 At this point, the user has their HIVE. They have successfully withdrawn their HIVE from the Peerplays chain back to the Hive chain!

Peerplays User Account · pHIVE · Peerplays DEX · **1** · Hive User Account

pHIVE · **2** · **3** HIVE

Peerplays pHIVE · Peerplays SONs · Primary Hive Peerplays SONs account

Peerplays Chain · **Hive Chain**