Interacting with Your CLI Wallet: A Comprehensive Guide

Reopening Your CLI Wallet

Scenario: Alex has previously set up their CLI wallet in a Docker container and wants to start interacting with it again after shutting down their computer.

Step 1: Start Docker

1. Ensure Docker is Running: Alex ensures Docker Desktop is running on their computer. This step is crucial because the CLI wallet runs inside a Docker container.

Step 2: Open Command Prompt or Terminal

1. Navigate to Your Wallet Directory: Alex opens a Command Prompt or Terminal window and navigates to the directory containing the `docker-compose.yml` file.
   - Command: `cd path/to/R2-Wallet-main`

Step 3: Start the Docker Container

1. Launch the Container: Alex starts the Docker container that hosts the CLI wallet.
   - Command: `docker-compose up -d`

Step 4: Access the CLI Wallet

1. Access the Wallet's Shell: Alex accesses the bash shell of the Docker container to interact with the CLI wallet.
   - Command: `docker-compose exec r2_wallet bash`
2. Start the CLI Wallet Application: Inside the bash shell, Alex starts the CLI wallet application.
   - Command: `/usr/local/bin/cli_wallet`

Step 5: Unlock Your Wallet

1. Unlock the Wallet: Before performing any operations, Alex needs to unlock their wallet using the password set during the initial setup.
   - Command: `unlock "YOUR_PASSWORD_HERE"`

Interacting with the Wallet

Scenario: Now that Alex's wallet is unlocked, they want to perform various blockchain operations.

 Checking Wallet Information

- Get Wallet Info: To check the current state of the wallet.
  - Command: `info`

Managing Keys

- List Public Keys: Alex may want to view all public keys associated with the wallet.
  - Command: `list_my_accounts`

Transferring Assets

- Transfer Assets: To send assets to another account on the blockchain.
  - Command: `transfer FROM_ACCOUNT TO_ACCOUNT AMOUNT ASSET_SYMBOL "MEMO" true`
  - Example: `transfer alex bob 10.0 RQRX "Lunch payment" true`

Generating New Keys

- Generate New Key Pair: If Alex needs a new pair of keys for a new account or operation.
  - Command: `suggest_brain_key`

Viewing Transaction History

- Get Transaction History: To review past transactions.
  - Command: `get_account_history ACCOUNT_NAME 10`
  - Example: `get_account_history alex 10`

Closing the Wallet

- Lock the Wallet: Secure the wallet by locking it.
  - Command: `lock`
- Exit the CLI Wallet: Safely exit the CLI wallet application.
  - Type `exit` or press `Ctrl + D`.
- Stop the Docker Container: Optionally, Alex can stop the Docker container if they're done.
  - Command: `docker-compose down`