

CLAIMS

WHAT IS CLAIMED IS:

1. A service provider system comprising:
a non-transitory memory; and
one or more hardware processors coupled to the non-transitory memory and configured to read instructions from the non-transitory memory to cause the service provider system to perform operations comprising:
determining, by a rebalancing daemon operation of a cryptocurrency wallet framework associated with the service provider system, a first digital wallet and second digital wallet, wherein the first digital wallet comprises a first amount of cryptocurrency available to the service provider system, and wherein the second digital wallet comprises a second amount of the cryptocurrency;
detecting, by the rebalancing daemon operation, that the first amount of the cryptocurrency in the first digital wallet is at or over a first threshold or at or under a second threshold at a first time;
determining, by the rebalancing daemon operation, a third amount of the cryptocurrency to rebalance the first digital wallet and the second digital wallet;
and
rebalancing, by the rebalancing daemon operation, the first digital wallet and the second digital wallet based on the third amount.
2. The service provider system of claim 1, wherein the first digital wallet comprises a liquidity digital wallet for the first amount of cryptocurrency with a liquidity partner platform separate from the service provider system.
3. The service provider system of claim 1, wherein the second digital wallet comprises a secure digital asset custodian in a private computing network secured from the users of the cryptocurrency wallet framework, and wherein the secure digital asset

custodian requires consent from an authorization entity of the service provider system for an outgoing transfer associated with the second amount of the cryptocurrency.

4. The service provider system of claim 1, wherein the detecting that the first amount of the cryptocurrency in the first digital wallet is at or over the first threshold comprises determining that first amount meets or exceeds a first percentage of a total amount of the cryptocurrency from the first amount and the second amount, wherein the third amount comprises a second percentage of the total amount to withdraw from the first digital wallet and deposit in the second digital wallet, and wherein the rebalancing comprises:

requesting a transfer of the third amount from the first digital wallet to the second digital wallet based on the detecting that the first amount of the cryptocurrency is at or over the first threshold.

5. The service provider system of claim 4, wherein the requesting the transfer is performed without providing a transfer review request or receiving an authorization from an authorization entity of the service provider system.

6. The service provider system of claim 1, wherein the detecting that the first amount of the cryptocurrency in the first digital wallet is at or under the second threshold comprises determining that first amount is at or below a first percentage of a total amount of the cryptocurrency from the first amount and the second amount, wherein the third amount comprises a second percentage of the total amount to withdraw from the second digital wallet and deposit in the first digital wallet, and wherein the rebalancing comprises:

transferring the third amount from the second digital wallet to the first digital wallet based on the detecting that the first amount of the cryptocurrency is at or under the second threshold.

7. The service provider system of claim 6, wherein prior to the transferring, the operations further comprise:

requesting an authorization for a transfer of the third amount from the second digital wallet to the first digital wallet from an authorization entity of the service provider system; and

receiving the authorization from the authorization entity,

wherein the transferring is performed in response to the receiving the authorization.

8. The service provider system of claim 7, wherein the authorization requires a group authorization from a plurality of administrators of the authorization entity.

9. The service provider system of claim 6, wherein prior to the detecting that the first amount of the cryptocurrency is at or under the second threshold, the operations further comprise:

receiving a transaction comprising one of a transfer or a sale associated with the first amount of the cryptocurrency in the first digital wallet to an external digital wallet, wherein the detecting is performed in response to the receiving the transaction.

10. The service provider system of claim 1, wherein the detecting is performed in response to one of a periodic time interval or the first amount being over or under a set amount threshold for the rebalancing.

11. The service provider system of claim 1, wherein the first threshold and the second threshold are associated with a total amount of the first amount and the second amount, and wherein each of the first threshold and the second threshold comprises at least one of a percentage threshold of the total amount, a cryptocurrency amount threshold of the total amount, or a monetary amount threshold of the total amount.

12. A method comprising:

receiving a cryptocurrency transaction through a service provider using a cryptocurrency digital wallet for the service provider on a cryptocurrency partner

platform, wherein the cryptocurrency digital wallet is utilized by a plurality of users of the service provider for cryptocurrency transactions through the service provider;

determining, by a daemon application of the service provider, that a balance of the cryptocurrency digital wallet is at or below a threshold after the cryptocurrency transaction; and

providing, by the daemon application, an amount from a secure digital wallet to the cryptocurrency digital wallet, wherein the amount causes the balance to meet or exceed the threshold.

13. The method of claim 12, wherein prior to the providing, the method further comprises:

requesting, from at least one authorization administrator, an approval for a transfer of the amount from the secure digital wallet to the cryptocurrency digital wallet; and

receiving, from the at least one authorization administrator, the approval.

14. The method of claim 13, wherein prior to the providing the amount, the method further comprises:

in response to receiving the approval, establishing a wait time period until the transfer is executed,

wherein the providing is performed in response to expiration of the wait time period.

15. The method of claim 12, wherein the cryptocurrency transaction comprises a sale of cryptocurrency through the service provider using the cryptocurrency partner platform by one of the plurality of users, and wherein a transaction amount for the cryptocurrency transaction is withdrawn from the cryptocurrency digital wallet for the service provider on the cryptocurrency partner platform.

16. The method of claim 12, wherein prior to the receiving the cryptocurrency transaction, the method further comprises:

requesting a quote on a value associated with the cryptocurrency transaction from the cryptocurrency partner platform; and

causing the quote to be displayed to at least one of the plurality of users via a user interface provided by the service provider.

17. The method of claim 12, wherein the secure digital wallet resides on an internal network separate from the cryptocurrency partner platform.

18. A non-transitory machine-readable medium having stored thereon machine-readable instructions executable to cause a machine to perform operations comprising:

executing a balance check of a balance of cryptocurrency for a cryptocurrency digital wallet on a partner platform using a daemon program of a service provider;

determining that the balance meets or exceeds a threshold for the cryptocurrency available in the cryptocurrency digital wallet using the daemon program;

determining an amount of the balance to transmit to a custodian digital wallet using the daemon program; and

requesting a transfer of the amount to the custodian digital wallet using the daemon program.

19. The non-transitory machine-readable medium of claim 18, wherein the requesting is performed without user input from an administrator associated with the service provider.

20. The non-transitory machine-readable medium of claim 18, wherein the amount is sufficient to cause the balance of the cryptocurrency digital wallet to reach a target percentage of an overall amount in the cryptocurrency in the cryptocurrency digital wallet and the custodian digital wallet.