WHAT IS CLAIMED IS:

1. A method comprising:

receiving, by a service provider computer from a financial institution computer in communication with a computing device of a first user, a digital asset, the digital asset comprising a value, a digital asset identifier, and identification information of the first user, the identification information comprising a public key;

activating, by the service provider computer, the digital asset with respect to a transaction device to be provided to a second user by associating the digital asset identifier and the value corresponding to the digital asset with a transaction device identifier of the transaction device, wherein the transaction device is programmable and is a payment card;

sending, by the service provider computer, a request to update a first block chain to indicate the association of the digital asset with the transaction device;

sending, by the service provider computer, the digital asset to a manager node associated with a digital assets payment network;

receiving, by the service provider computer from a resource provider computer that is in communication with an access device that reads information from the transaction device, an indication that the second user utilized the transaction device comprising the digital asset to conduct a transaction, wherein the indication comprises at least the digital asset identifier and the public key; and

sending, by the service provider computer to the manager node, a request to update a second block chain to indicate the use of the digital asset by the second user.

2. The method of claim 1, further comprising:

sending, by the manager node to the financial institution computer, a request to update the first block chain to indicate the use of the digital asset by the second user.

3. The method of claim 1, further comprising:

receiving, by the service provider computer from the computing device, a request to associate the transaction device with the transaction device identifier;

generating, by the service provider computer, the transaction device identifier; and

associating, by the service provider computer, the transaction device with the transaction device identifier.

4. The method of claim 3, wherein a reader device that is in communication with the computing device provisions the transaction device with the transaction device identifier.

5. The method of claim 1, wherein the method further comprises:

requesting, by the service provider computer, the financial institution computer to verify the digital asset and sign the transaction data with a private key corresponding to the public key.

6. The method of claim 1, wherein the request to update the first block chain is sent to the financial institution computer, wherein the financial institution computer updates the first block chain, wherein the financial institution computer is a first financial institution computer.

7. The method of claim 6, wherein the request to update the second block chain is sent to a second financial institution computer, wherein the second financial institution computer updates the second block chain.

8. The method of claim 1, further comprising:

activating the digital asset further includes by binding a digital asset account with a public address associated with the transaction device.

9. A method comprising:

receiving, by a computing device from a first user, a request to generate a digital asset, the digital asset comprising data that indicates a digital currency value;

sending, by the computing device, the request to a financial institution computer, which generates the digital asset;

receiving, by the computing device from the financial institution computer, the digital asset; and

providing, by the computing device, the digital asset to a reader device which programs the digital asset to a transaction device, the transaction device being a payment card,

wherein the financial institution computer provides the digital asset to a service provider computer which activates the digital asset with respect to the transaction device to be provided to a second user by associating the digital asset identifier and the digital currency value corresponding to the digital asset with a transaction device identifier of the transaction device, wherein the service provider computer sends a request to update a first block chain to indicate the association of the digital asset with the transaction device, and sends the digital asset to a manager node associated with a digital assets payment network, wherein the second user utilizes the transaction device to conduct a transaction, and wherein the service provider computer sends a request to the manager node to update a second block chain to indicate the use of the digital asset by the second user.

10. The method of claim 9, wherein the service provider computer sends a request to update the first block chain to indicate the use of the digital asset by the second user.

11. The method of claim 9, further comprising:

receiving, by the computing device, a request to associate the transaction device with the transaction device identifier; and

sending, by the computing device, the request to the service provider computer, wherein the service provider computer associates the transaction device with the transaction device identifier.

12. The method of claim 9, wherein the request to update the first block chain is sent to the financial institution computer, wherein the financial institution computer updates the first block chain.

13. The method of claim 12, wherein the financial institution computer is a first financial institution computer, and wherein the request to update the second

block chain is sent to a second financial institution computer, wherein the second financial institution computer updates the second block chain.

14. A service provider computer comprising:

a processor; and

a computer readable medium coupled to the processor, the computer readable medium comprising code, executable by the processor, to implement the method of claim 1.

15. A computing device comprising:

a processor; and

a computer readable medium coupled to the processor, the computer readable medium comprising code, executable by the processor, to implement the method of claim 9.