

[Claims]

[Claim 1]

A method for a business operator to provide a service to a customer utilizing a network comprising a plurality of nodes, wherein: data necessary for a business operator to provide a service to a customer is stored in at least some first nodes of the plurality of nodes; the at least some first nodes are configured to be capable of processing the data; a terminal device associated with the customer is configured to be capable of being connected to one of the plurality of nodes; and a device of the business operator is configured to be capable of being connected to one of the plurality of nodes,

the method comprising:

connecting, by the terminal device, to a second node, which is one of the plurality of nodes;

sending, by the terminal device, a request for a service that the customer desires to the second node, the request including a utilization content of the service that the customer desires;

determining, by the second node, which node among the at least some first nodes stores data necessary for performing processing for the request received from the terminal device, and forwarding, by the second node, the request to a third node, which is determined to store the data necessary for performing the processing for the request;

updating, by the third node, the data based on the data necessary for performing the processing for the request and the utilization content of the service that the customer desires, and returning, by the third node, the updated data to the terminal device via the second node;

connecting, by the device of the business operator, to a fourth node, which is one of the plurality of nodes;

transmitting, by the third node, the updated data to the device of the business operator via the fourth node,

wherein the updated data is transmitted to the device of the business operator after a time at which the service is provided to the customer.

[Claim 2]

The method of claim 1, wherein the service that the business operator provides to the customer is based on at least one of managing credit by the business operator and managing balance by the business operator.

[Claim 3]

The method of claim 1 or 2, wherein the business operator is any of a card business operator, a point business operator, and an electronic money business operator.

[Claim 4]

The method of any of claims 1 to 3, wherein the at least some first nodes constitute a blockchain, and the data necessary for the business operator to provide the service to the customer is managed by utilizing a blockchain technique.

[Claim 5]

A network comprising a plurality of nodes, wherein:

data necessary for a business operator to provide a service to a customer is stored in at least some first nodes of the plurality of nodes, the at least some first nodes being configured to be capable of processing the data;

a terminal device associated with the customer is configured to be capable of being connected to one of the plurality of nodes;

a device of the business operator is configured to be capable of being connected to one of the plurality of nodes;

the terminal device connects to a second node, which is one of the plurality of nodes;

the terminal device sends a request for a service that the customer desires to the second node, the request including a utilization content of the service that the customer desires;

the second node determines which node among the at least some first nodes stores data necessary for performing processing for the request received from the terminal device,

and forwards the request to a third node, which is determined to store the data necessary for performing the processing for the request;

the third node updates the data based on the data necessary for performing the processing for the request and the utilization content of the service that the customer desires, and returns the updated data to the terminal device via the second node;

the device of the business operator connects to a fourth node, which is one of the plurality of nodes;

the third node transmits the updated data to the device of the business operator via the fourth node; and

the updated data is transmitted to the device of the business operator after a time at which the service is provided to the customer.