CLAIMS

1. A method for blockchain consensus, the method comprising:

monitoring, by a blockchain primary node, triggering of a view switching condition;

selecting, by the blockchain primary node, a successor node when the triggering of the view switching condition is monitored; and

switching, by the blockchain primary node based on the successor node, a current view to a next view that uses the successor node as a succeeding blockchain primary node, so that the succeeding blockchain primary node initiates a consensus in the next view.

2. The method according to claim 1, wherein triggering of the view switching condition comprises:

receiving, by the blockchain primary node, a service request; and

determining that a consensus on the service request fails to be initiated with a predetermined time.

3. The method according to claim 2, determining that the consensus on the service request fails to be initiated with the predetermined time comprises:

determining that data included in the service request is incorrect.

4. The method according to claim 2, determining that the consensus on the service request fails to be initiated with the predetermined time comprises:

determining that the blockchain primary node sent an incorrect notification message indicating a consensus phase to the successor node.

5. The method according to claim 1, wherein triggering of the view switching condition comprises:

receiving, by the blockchain primary node, a service request;

initiating a consensus on the service request; and

determining a consensus result.

6. The method according to claim 1, wherein selecting, by the blockchain primary node, the successor node comprises:

determining, by the blockchain primary node, a next view of the current view; and

selecting a successor node that corresponds to the next view.

7. The method according to claim 6, wherein switching the current view to the next view that uses the successor node as the succeeding blockchain primary node comprises:

switching the current view to the next view, wherein the successor node is used as a blockchain primary node in the next view.

8. The method according to any one of claims 1 to 7, wherein a blockchain node in any view comprises a node in a consortium blockchain network or a private blockchain network.

9. An apparatus for blockchain consensus, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 8.