

WHAT IS CLAIMED IS:

1. A computer-implemented method, comprising:
receiving, by a controller included in an overlay network, a request from a first entity associated with a first blockchain network to conduct a transaction via the overlay network;
identifying a first set of policies associated with the first entity;
identifying a second set of policies associated with a second entity associated with a second blockchain network and with which the transaction is to be conducted; and
facilitating, by the controller, the transaction between the first entity and the second entity via the overlay network, using the first set of policies and the second set of policies, wherein the overlay network comprises a plurality of routers, and wherein the controller is configured to select a subset of the plurality of routers to route the transaction from the first entity to the second entity.
2. The computer-implemented method of claim 1, wherein at least one of the first set of policies or the second set of policies indicates whether the first entity and the second entity may interact.
3. The computer-implemented method of claim 1, wherein at least one of the first set of policies or the second set of policies indicates access rights for the first entity with respect to data stored in the second blockchain network.
4. The computer-implemented method of claim 1, wherein at least one of the first set of policies or the second set of policies indicates write permissions by the first entity to the second blockchain network.
5. The computer-implemented method of claim 1, wherein at least one of the first entity or the second entity is an individual or a computer network.
6. The computer-implemented method of claim 1, wherein the first set of policies is identified based on a network address associated with the first entity.

7. The computer-implemented method of claim 1, wherein the transaction relates to at least one of trust management, fraud and disputes, underwriting, data routing, policy enforcement, or member services.

8. The computer-implemented method of claim 1, wherein the first set of policies is generated from a policy document received in relation to the first entity.

9. The computer-implemented method of claim 8, wherein the policy document received in relation to the first entity comprises a smart contract.

10. The computer-implemented method of claim 1, wherein the first set of policies includes at least an interaction algorithm.

11. The computer-implemented method of claim 1, wherein the first set of policies and the second set of policies are used for multiple transactions conducted with the first and second blockchain networks.

12. The computer-implemented method of claim 1, wherein the first set of policies and the second set of policies pertain to specific transaction types.

13. The computer-implemented method of claim 1, wherein the first set of policies and the second set of policies pertain to routing of the transaction.

14. A blockchain node server comprising:
a processor, and
a computer readable medium coupled to the processor, the computer readable medium comprising code for causing the processor to:

receive, from a first entity associated with a first blockchain network, a request to conduct a transaction via an overlay network;

identify a first set of policies associated with the first entity;

identify a second set of policies associated a second entity associated with a second blockchain network and with which the transaction is to be conducted; and

facilitate the transaction between the first entity and the second entity via the overlay network using the first set of policies and the second set of policies, wherein the overlay network comprises a plurality of routers, and wherein the blockchain node server is configured to select a subset of the plurality of routers to route the transaction from the first entity to the second entity.

15. The blockchain node server of claim 14, wherein the first set of policies indicates a first data file format associated with the first entity and the second set of policies indicates a second data file format associated with the second entity.

16. The blockchain node server of claim 15, wherein facilitating the transaction between the first entity and the second entity comprises translating between the first data file format and the second data file format.

17. The blockchain node server of claim 16, wherein translating between the first data file format and the second data file format comprises using an intermediary data file format.

18. The blockchain node server of claim 14, wherein the first set of policies is generated from a policy document received in relation to the first entity, and wherein the policy document received in relation to the first entity comprises a smart contract.

19. The blockchain node server of claim 14, wherein the first set of policies and the second set of policies are used for multiple transactions conducted with the first and second blockchain networks.