

We Claim:

1. A system for executing a plurality of service requests (SRs) from corresponding plurality of user computing devices, said system comprising:

a distributed compute (DC) that forms part of a distributed network, said DC having at least one processor that executes one or more routines stored in an operatively coupled memory to enable receipt of the plurality of service requests in a heterogeneous interaction pool, wherein said DC further comprises a system state manager (SSM) that, based on at least one common attribute of each SR in the interaction pool, identifies an appropriate node (N) from one or more available nodes that has an ability and said attribute-based interest configuration to execute said respective SR, and transmits said respective SR to said identified node (N) for execution.

2. The system as claimed in claim 1, wherein said DC is operatively and communicatively coupled with a distributed storage (DS), said DS being configured to store any or a combination of output of said execution of said SR by said identified node, new computed state after execution of said SR by said identified node, and a super state structure (SSS) representing metadata associated with said SR or output of said execution of said SR by said identified node.

3. The system as claimed in claim 2, wherein said SSS represents information indicative of identity of the SR, an interaction vector pertaining to the SR, method of execution of the SR, and cause/intent behind the SR, said cause/intent at least including depiction of why the SR was executed.

4. The system as claimed in claim 3, wherein said interaction vector is represented through any or a combination of economic value of said SR, right of possession of said SR, emotion parameters pertaining to said SR, social parameters pertaining to said SR, time value parameters pertaining to said SR, and privilege dimension associated with said SR.

5. The system as claimed in claim 2, wherein said DS further comprises:

a storage interface to communicate with Node State Manager (NSM) of the DC; and

a persistence manager to ensure that data being stored in the DS remains persistent within the node and across the DS.

6. The system as claimed in claim 1, wherein said DC further comprises a high level language interpreter to process and interpret at least one SR before execution of said at least one SR by an identified node.
7. The system as claimed in claim 1, wherein said DC further comprises a common execution environment to enable execution of each of said plurality of SRs in said common execution environment.
8. The system as claimed in claim 1, wherein the one or more available nodes are a distributed set of nodes that are remotely but operatively coupled with the DC.
9. The system as claimed in claim 1, wherein at least one node of the one or more available nodes is owned by a node owner, said node owner being able to configure an interest list for said at least one node such that said at least one node processes a given SR based at least on the interest list in a manner that if said given SR belongs to an asset class that forms part of said interest list, said at least one node processes said given SR.
10. The system as claimed in claim 7, wherein said attribute-based interest configuration maps to said interest list.
11. The system as claimed in claim 1, wherein said system forms part of an infrastructure environment that is operatively and communicatively coupled with a service environment and a consumer environment, wherein said consumer environment raises said plurality of SRs that are received at a service interface of the service environment.
12. The system as claimed in claim 10, wherein said service environment further comprises an identity service that is operatively coupled with said service interface such that upon the service interface classifying the received plurality of SRs based on one or more factors, the classified SRs are received at the identity service for authentication by an identity verification logic.
13. The system as claimed in claim 12, wherein said authenticated SRs are associated with respective authentication identifiers that map to corresponding user wallets.
14. The system as claimed in claim 1, wherein the system is configured with an ability to host an internal settlement ledger that captures price of tokens, and uses said capturing to balance the operational cost of executing said SR by said identified node.
15. A method for executing a plurality of service requests (SRs) from corresponding plurality of user computing devices, said method comprising the steps of:

configuring a distributed compute (DC) that forms part of a distributed network, said DC having at least one processor that executes one or more routines stored in an operatively coupled memory to enable receipt of the plurality of service requests in a heterogeneous interaction pool;

running a system state manager (SSM) that forms part of the DC such that the SSM, based on at least one common attribute of each SR in the interaction pool, identifies an appropriate node (N) from one or more available nodes that has an ability and said attribute-based interest configuration to execute said respective SR; and

transmitting, through the SSM, said respective SR to said identified node (N) for execution.

16. The method as claimed in claim 15, wherein said DC is operatively and communicatively coupled with a distributed storage (DS), said DS being configured to store any or a combination of output of said execution of said SR by said identified node, new computed state after execution of said SR by said identified node, and a super state structure (SSS) representing metadata associated with said SR or output of said execution of said SR by said identified node.

17. The method as claimed in claim 16, wherein said SSS represents information indicative of identity of the SR, an interaction vector pertaining to the SR, method of execution of the SR, and cause/intent behind the SR, said cause/intent at least including depiction of why the SR was executed.

18. The method as claimed in claim 17, wherein said interaction vector is represented through any or a combination of economic value of said SR, right of possession of said SR, emotion parameters pertaining to said SR, social parameters pertaining to said SR, time value parameters pertaining to said SR, and privilege dimension associated with said SR.

19. The method as claimed in claim 16, wherein said DS further comprises:

a storage interface to communicate with Node State Manager (NSM) of the DC; and

a persistence manager to ensure that data being stored in the DS remains persistent.

20. The method as claimed in claim 15, wherein said DC further comprises a high level language interpreter to process and interpret at least one SR before execution of said at least one SR by an identified node.
21. The method as claimed in claim 15, wherein said DC further comprises a common execution environment to enable execution of each of said plurality of SRs in said common execution environment.
22. The method as claimed in claim 15, wherein the one or more available nodes are a distributed set of nodes that are remotely but operatively coupled with the DC, wherein at least one node of the one or more available nodes is owned by a node owner, said node owner being able to configure an interest list for said at least one node such that said at least one node processes a given SR based at least on the interest list in a manner that if said given SR belongs to an asset class that forms part of said interest list, said at least one node processes said given SR, and wherein said attribute-based interest configuration maps to said interest list.
23. The method as claimed in claim 15, wherein said ability is quantified and agreed to by one or more DCs.