WHAT IS CLAIMED IS:

1. A method for providing an environment of a plurality of data centers for privately exchanging and processing data, comprising:

receiving, at a computing device, an identification of (i) a machine learning model to train and (ii) a characteristic describing data needed to train the machine learning model, wherein the plurality of data centers provide physical computer server space and network connectivity services for a plurality of customers of the plurality of data centers;

locating, by the computing device, a data provider within the environment such that the located data provider has access to a data set according to the characteristic,

wherein the data provider is provided by a first customer of the plurality of customers within the environment, and

wherein the data provider is located at a first data center of the plurality of data centers;

locating, by the computing device, a task provider within the environment such that the located task provider is configured to train the machine learning model,

wherein the task provider is provided by a second customer of the plurality of customers,

wherein the task provider is located at a second data center of the plurality of data centers, and

wherein the second customer is different from the first customer;

establishing, by the computing device, a real-time, private, and secure network connection between the data provider and the task provider such that the data provider and the task provider are able to communicate with one another via the network connection without using publicly accessible network addresses, wherein each of the plurality of data centers is connected to the established network connection;

orchestrating, by the computing device, the data set to be transferred from the data provider to the task provider via the established network connection; and

in response to the transfer, orchestrating, by the computing device, the task provider to:

train the machine learning model using the data set; and

deploy the trained machine learning model at a location accessible on the established network connection.

2. The method of claim 1, wherein the data set is spread across a plurality of locations, and the method further comprises causing, by the computing device, the task provider to transform the data set into a shared format prior to training the machine learning model.

3. The method of claim 1, wherein the network connection is private and secure via one or more of a private physical Open Systems Interconnection (OSI) layer 1 connection, a private Ethernet OSI layer 2 connection, or a private Internet Protocol address space that is separate from a public internet.

4. The method of claim 3, wherein the private Ethernet OSI layer 2 connection is distributed Ethernet, ultra-Ethernet traffic, InfiniBand, Tesla Transport Protocol over Ethernet traffic, RDMA over Converged Ethernet, bottleneck, bandwidth, and round-trip (BBR) congestion control, or sparse wrapper algorithm.

5. The method of claim 1, further comprising:

instantiating, by the computing device, an application programming interface (API) for the trained machine learning model, wherein the API includes a function to (i) query the trained machine learning model and (ii) receive a prediction from the trained machine learning model based on the query; and

opening, by the computing device, a connection to the API, wherein the connection is accessible via a public internet.

6. The method of claim 1, further comprising:

receiving, at the computing device, internet-of-things (IoT) data via the established network connection;

receiving, at the computing device, real-time data via the established network connection;

creating, by the computing device, a fused data set by:

transforming the IoT data and the real-time data into a shared predefined format; and

combining the IoT data and the real-time data;

sending, by the computing device via the established network connection, the fused data set to the trained machine learning model; and

sending, by the computing device via a public internet, an alert to a client device, wherein the alert was generated by the trained machine learning model analyzing the fused data set.

7. The method of claim 1, wherein the task provider comprises a plurality of AI training centers, and wherein each of the plurality of AI training centers is connected to the established network connection.

8. The method of claim 7, wherein prior to deploying the trained machine learning model, the method further comprises:

receiving, at the computing device, a plurality of trained machine learning models from the plurality of AI training centers; and

combining the plurality of trained machine learning models into the machine learning model.

9. The method of claim 7, wherein the plurality of AI training centers are identified based at least on a type of the machine learning model, a size of the data set, a type of data in the data set, a hyperparameter of the machine learning model, or an available computing resource at each of the plurality of AI training centers.

10. The method of claim 1, wherein the data set comprises a first training data set and a second training data set, wherein the trained machine learning model is a trained first machine learning model, wherein the trained first machine learning model is trained using the first training data set, wherein the location is a first location, and wherein the method further comprises:

training, by the task provider, a second machine learning model using the second training data set; and

deploying, by the task provider, the trained second machine learning model at a second location accessible on the established network connection.

11. The method of claim 10, further comprising:

receiving, at the computing device, a multi-modal prompt from a client device;

mapping, by the computing device, a first part of the multi-modal prompt to the trained first machine learning model, wherein the mapping is based at least on a request in the multi-modal prompt and a first data type in the multi-modal prompt;

mapping, by the computing device, a second part of the multi-modal prompt to the trained second machine learning model, wherein the mapping is based at least on the request in the multi-modal prompt and a second data type in the multi-modal prompt;

receiving, at the computing device, a first response from the trained first machine learning model responsive to transmitting the first part of the multi-modal prompt to the trained first machine learning model at the first location;

receiving, at the computing device, a second response from the trained second machine learning model responsive to transmitting the second part of the multi-modal prompt to the trained second machine learning model at the second location;

combining, by the computing device, the first response and the second response; and

transmitting, by the computing device, the combined first response and second response to the client device.

12. The method of claim 1, wherein the machine learning model to train and the characteristic are received via a chatbot hosted by the computing device, and wherein the chatbot is (i) a trained large language model and (ii) is accessible via both a public internet and the established network connection.

13. The method of claim 1, wherein the machine learning model to train and the characteristic are received via a graphical user interface (GUI) hosted by the computing device, wherein the GUI is accessible via both a public internet and the established network connection.

14. A system for providing an environment of a plurality of data centers for privately exchanging and processing data, comprising:

a memory; and

at least one processor coupled to the memory and configured to:

receive an identification of (i) a task to perform and (ii) a characteristic describing data needed to execute the task, wherein the plurality of data centers provide physical computer server space and network connectivity services for a plurality of customers of the plurality of data centers;

locate a data provider within the environment such that the located data provider has access to a data set according to the characteristic,

wherein the data provider is provided by a first customer of the plurality of customers within the environment,

wherein the data provider is located at a first data center of the plurality of data centers, and

wherein the data set comprises a first training data set and a second training data set;

locate a task provider within the environment such that the located task provider is configured to execute the task,

wherein the task provider is provided by a second customer of the plurality of customers,

wherein the task provider is located at a second data center of the plurality of data centers, and

wherein the second customer is different from the first customer;

establish a real-time, private, and secure network connection between the data provider and the task provider such that the data provider and the task provider are able to communicate with one another via the network connection without using publicly accessible network addresses;

orchestrate the data set to be transferred from the data provider to the task provider via the established network connection; and

in response to the transfer, orchestrate the task provider to:

train a first machine learning model using the first training data set;

deploy the trained first machine learning model at a first location accessible on the established network connection;

train a second machine learning model using the second training data set; and

deploy the trained second machine learning model at a second location accessible on the established network connection.

15. The system of claim 14, wherein the network connection is private and secure via one or more of a private physical Open Systems Interconnection (OSI) layer 1 connection, a private Ethernet OSI layer 2 connection, or a private Internet Protocol address space that is separate from a public internet.

16. The system of claim 14, wherein the at least one processor is further configured to:

instantiate an application programming interface (API) for the trained first machine learning model, wherein the API includes a function to (i) query the trained first machine learning model and (ii) receive a prediction from the trained first machine learning model based on the query; and

open a connection to the API, wherein the connection is accessible via a public internet.

17. The system of claim 14, wherein the at least one processor is further configured to:

receive internet-of-things (IoT) data via the established network connection;

receive real-time data via the established network connection;

create a fused data set by:

transforming the IoT data and the real-time data into a shared predefined format; and

combining the IoT data and the real-time data;

send via the established network connection, the fused data set to the trained first machine learning model; and

send via a public internet, an alert to a client device, wherein the alert was generated by the trained first machine learning model analyzing the fused data set.

18. A method for providing an environment for privately exchanging and processing data to perform AI tasks, comprising:

receiving, at a computing device, an identification of (i) a machine learning model to train and (ii) a characteristic describing data needed to train the machine learning model;

locating, by the computing device, a data provider within the environment such that the located data provider has access to a data set according to the characteristic;

locating, by the computing device, a task provider within the environment such that the located task provider is configured to train the machine learning model, wherein the task provider comprises a plurality of AI training centers;

establishing, by the computing device, a real-time, private, and secure network connection between the data provider and the task provider such that the data provider and the task provider are able to communicate with one another via the network connection without using publicly accessible network addresses, wherein each of the plurality of AI training centers is connected to the established network connection;

orchestrating, by the computing device, the data set to be transferred from the data provider to the task provider via the established network connection; and

in response to the transfer, orchestrating, by the computing device, the task provider to:

train the machine learning model using the data set; and

deploy the trained machine learning model at a location accessible on the established network connection.

19. The method of claim 18, further comprising:

instantiating, by the computing device, an application programming interface (API) for the trained machine learning model, wherein the API includes a function to (i) query the trained machine learning model and (ii) receive a prediction from the trained machine learning model based on the query; and

opening, by the computing device, a connection to the API, wherein the connection is accessible via a public internet.

20. The method of claim 18, further comprising:

receiving, at the computing device, internet-of-things (IoT) data via the established network connection;

receiving, at the computing device, real-time data via the established network connection;

creating, by the computing device, a fused data set by:

transforming the IoT data and the real-time data into a shared predefined format; and

combining the IoT data and the real-time data;

sending, by the computing device via the established network connection, the fused data set to the trained machine learning model; and

sending, by the computing device via a public internet, an alert to a client device, wherein the alert was generated by the trained machine learning model analyzing the fused data set.

21. The method of claim 18, wherein prior to deploying the trained machine learning model, the method further comprises:

receiving, at the computing device, a plurality of trained machine learning models from the plurality of AI training centers; and

combining the plurality of trained machine learning models into the machine learning model.

22. The method of claim 18, wherein the plurality of AI training centers are identified based at least on a type of the machine learning model, a size of the data set, a type of data in the data set, a hyperparameter of the machine learning model, or an available computing resource at each of the plurality of AI training centers.

23. The method of claim 18, wherein the data set comprises a first training data set and a second training data set, wherein the trained machine learning model is a trained first machine learning model, wherein the trained first machine learning model is trained using the first training data set, wherein the location is a first location, and wherein the method further comprises:

training, by the task provider, a second machine learning model using the second training data set; and

deploying, by the task provider, the trained second machine learning model at a second location accessible on the established network connection.

24. A method for providing an environment for privately exchanging and processing data to perform AI tasks, comprising:

receiving, at a computing device, an identification of (i) a task to perform and (ii) a characteristic describing data needed to execute the task;

locating, by the computing device, a data provider within the environment such that the located data provider has access to a data set according to the characteristic, wherein the data set comprises a first training data set and a second training data set;

locating, by the computing device, a task provider within the environment such that the located task provider is configured to execute the task;

establishing, by the computing device, a real-time, private, and secure network connection between the data provider and the task provider such that the data provider and the task provider are able to communicate with one another via the network connection without using publicly accessible network addresses;

orchestrating, by the computing device, the data set to be transferred from the data provider to the task provider via the established network connection; and

in response to the transfer, orchestrating, by the computing device, the task provider to:

train a first machine learning model using the first training data set;

deploy the trained first machine learning model at a first location accessible on the established network connection;

train a second machine learning model using the second training data set; and

deploy the trained second machine learning model at a second location accessible on the established network connection.

25. The method of claim 24, further comprising:

receiving, at the computing device, internet-of-things (IoT) data via the established network connection;

receiving, at the computing device, real-time data via the established network connection;

creating, by the computing device, a fused data set by:

transforming the IoT data and the real-time data into a shared predefined format; and

combining the IoT data and the real-time data;

sending, by the computing device via the established network connection, the fused data set to the first trained machine learning model; and

sending, by the computing device via a public internet, an alert to a client device, wherein the alert was generated by the first trained machine learning model analyzing the fused data set.

26. The method of claim 24, wherein the task provider comprises a plurality of AI training centers, and wherein each of the plurality of AI training centers is connected to the established network connection.

27. The method of claim 26, wherein the plurality of AI training centers are identified based at least on a type of the first machine learning model or a type of the second machine learning model, a size of the data set, a type of data in the data set, a hyperparameter of a machine learning model, or an available computing resource at each of the plurality of AI training centers.

28. The method of claim 11, wherein combining the first response and the second response comprises applying a weight to the first response and the second response.