CLAIMS

1. A communication method, comprising:

receiving a request message from a service request network element, wherein the request message is used to request information about a target data analytics network element, the request message comprises a first analytics identifier and information about a first service, and the target data analytics network element supports an analytics type corresponding to the first analytics identifier and the first service; wherein the information about the first service indicates the first service and includes a service name of the first service, and wherein the first service comprises at least one of the following services: a model request service, a model subscription service, an analytics result exposure service, a data repository request service, and a data collection coordination service;

determining the target data analytics network element based on the first analytics identifier, the information about the first service, and association information between the first analytics identifier and the first service that corresponds to the target data analytics network element; and

sending information about the target data analytics network element to the service request network element.

2. The communication method according to claim 1, wherein the method further comprises:

receiving association information between a second analytics identifier and the first service that corresponds to the target data analytics network element and that is sent by the target data analytics network element.

3. The communication method according to claim 2, wherein the second analytics identifier comprises a plurality of analytics identities, the first service supports the plurality of analytics identities, and the plurality of analytics identities comprises the first analytics identifier.

4. The communication method according to claim 3, wherein the determining the target data analytics network element based on the first analytics identifier, the information about the first service, and association information between the first analytics identifier and the first service that corresponds to the target data analytics network element comprises:

determining a candidate data analytics network element based on the information about the first service, wherein the candidate data analytics network element supports the first service; and

determining the target data analytics network element from the candidate data analytics

network element based on the first analytics identifier and the association information between the first analytics identifier and the first service that corresponds to the target data analytics network element.

5. The communication method according to any one of claims 1 to 4, wherein the request message further comprises information indicating an association relationship between the first analytics identifier and the information about the first service.

6. The communication method according to any one of claims 1 to 5, wherein the information about the target data analytics network element comprises address information of the target data analytics network element, and the address information of the target data analytics network element comprises one or more of the following information:

an identifier of a data analytics network element, an internet protocol address, a fully qualified domain name, and a uniform resource locator.

7. A communication method, comprising:

sending, by a service request network element, a request message to a network repository function network element, wherein the request message is used to request information about a target data analytics network element, the request message comprises a first analytics identifier and information about a first service, and the target data analytics network element supports an analytics type corresponding to the first analytics identifier and the first service; wherein the information about the first service indicates the first service and includes a service name of the first service, and wherein the first service includes at least one of the following services: a model request service, a model subscription service, an analytics result exposure service, a data repository request service, and a data collection coordination service; and

receiving, by the service request network element, the information about the target data analytics network element from the network repository function network element.

8. A communication apparatus, comprising:

a receiving unit, configured to receive a request message from a service request network element, wherein the request message is used to request information about a target data analytics network element, the request message comprises a first analytics identifier and information about a first service, and the target data analytics network element supports an analytics type corresponding to the first analytics identifier and the first service; wherein the information about the first service indicates the first service and includes a service name of the first service, and

wherein the first service includes at least one of the following services: a model request service, a model subscription service, an analytics result exposure service, a data repository request service, and a data collection coordination service;

a processing unit, configured to determine the target data analytics network element based on the first analytics identifier, the information about the first service, and association information between the first analytics identifier and the first service that corresponds to the target data analytics network element; and

a sending unit, configured to send the information about the target data analytics network element to the service request network element.

9. The communication apparatus according to claim 8, wherein the receiving unit is further configured to receive association information between a second analytics identifier and the first service that corresponds to the target data analytics network element and that is sent by the target data analytics network element.

10. The communication apparatus according to claim 9, wherein the second analytics identifier comprises a plurality of analytics identifiers, the first service supports the plurality of analytics identifiers, and the plurality of analytics identifiers comprise the first analytics identifier.

11. The communication apparatus according to any one of claims 8 to 10, wherein the receiving unit is further configured to receive information indicating an association relationship between the first analytics identifier and the information about the first service.

12. A communication apparatus, comprising:

a sending unit, configured to send, by a service request network element, a request message to a network repository function network element, wherein the request message is used to request information about a target data analytics network element, the request message comprises a first analytics identifier and information about a first service, and the target data analytics network element supports an analytics type corresponding to the first analytics identifier and the first service; wherein the information about the first service indicates the first service and includes a service name of the first service, and wherein the first service includes at least one of the following services: a model request service, a model subscription service, an analytics result exposure service, a data repository request service, and a data collection coordination service; and

a receiving unit, configured to receive, by the service request network element, the information about the target data analytics network element from the network repository function

network element.

13. A computer-readable medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is run,

an apparatus is enabled to perform the method according to any one of claims 1 to 6, or

an apparatus is enabled to perform the method according to claim 7.

14. A chip system, comprising a processor, configured to invoke a computer program from a memory and run the computer program,

to enable a communication apparatus on which the chip system is installed to perform the method according to any one of claims 1 to 6; or

to enable a communication apparatus on which the chip system is installed to perform the method according to claim 7.

15. A communication apparatus, comprising:

a memory, configured to store a computer program; and

a processor, configured to execute the computer program stored in the memory, to enable the communication apparatus to perform the communication method according to any one of claims 1 to 6, or to enable the communication apparatus to perform the communication method according to claim 7.

16. A communication system, comprising:

a network repository function network element, configured to perform the method according to any one of claims 1 to 6; and

a service request network element, configured to send a request message to the network repository function network element, wherein the request message is used to request information about a target data analytics network element, the request message comprises a first analytics identifier and information about a first service, and the target data analytics network element supports an analytics type corresponding to the first analytics identifier and the first service.