CLAIMS

What is claimed is:

1. A computer-implemented method, comprising:

synchronizing, by a data center, block data in a blockchain to a local database of the data center, wherein the data center is connected to the blockchain and a target application, the synchronizing includes obtaining parsed block data by parsing the block data based on a parsing rule associated with a service type of the target application, and storing the parsed block data in the local database based on a storage format associated with the service type of the target application;

receiving, by the data center, a data usage request sent by the target application;

in response to the data usage request, querying, by the data center, the local database for requested data corresponding to the data usage request; and

returning, by the data center, the requested data to the target application.

2. The computer-implemented method of claim 1, wherein parsing the block data based on the parsing rule is implemented as a plug-in to an executable program.

3. The computer-implemented method of claim 1, wherein the parsing rule comprises one or more of a service scenario parsing rule, a data filtering rule, and an index field parsing rule.

4. The computer-implemented method of claim 1, wherein the storage format comprises a JSON format.

5. The computer-implemented method of claim 1, wherein synchronizing the block data in the blockchain to the local database comprises:

generating a query index for the parsed block data;

creating an index table based on a mapping relationship between the query index and the parsed block data; and

storing the index table in the local database.

6. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:

synchronizing, by a data center, block data in a blockchain to a local database of the data center, wherein the data center is connected to the blockchain and a target application, the synchronizing includes obtaining parsed block data by parsing the block data based on a parsing rule associated with a service type of the target application, and storing the parsed block data in the local database based on a storage format associated with the service type of the target application;

receiving, by the data center, a data usage request sent by the target application;

in response to the data usage request, querying, by the data center, the local database for requested data corresponding to the data usage request; and

returning, by the data center, the requested data to the target application.

7. The non-transitory, computer-readable medium of claim 6, wherein parsing the block data based on the parsing rule is implemented as a plug-in to an executable program.

8. The non-transitory, computer-readable medium of claim 6, wherein the parsing rule comprises one or more of a service scenario parsing rule, a data filtering rule, and an index field parsing rule.

9. The non-transitory, computer-readable medium of claim 6, wherein the storage format comprises a JSON format.

10. The non-transitory, computer-readable medium of claim 6, wherein synchronizing the block data in the blockchain to the local database comprises:

generating a query index for the parsed block data;

creating an index table based on a mapping relationship between the query index and the parsed block data; and

storing the index table in the local database.

11. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or more

instructions that, when executed by the one or more computers, perform one or more operations comprising:

synchronizing, by a data center, block data in a blockchain to a local database of the data center, wherein the data center is connected to the blockchain and a target application, the synchronizing includes obtaining parsed block data by parsing the block data based on a parsing rule associated with a service type of the target application, and storing the parsed block data in the local database based on a storage format associated with the service type of the target application;

receiving, by the data center, a data usage request sent by the target application;

in response to the data usage request, querying, by the data center, the local database for requested data corresponding to the data usage request; and

returning, by the data center, the requested data to the target application.

12. The computer-implemented system of claim 11, wherein parsing the block data based on the parsing rule is implemented as a plug-in to an executable program.

13. The computer-implemented system of claim 11, wherein the parsing rule comprises one or more of a service scenario parsing rule, a data filtering rule, and an index field parsing rule.

14. The computer-implemented system of claim 11, wherein synchronizing the block data in the blockchain to the local database comprises:

generating a query index for the parsed block data;

creating an index table based on a mapping relationship between the query index and the parsed block data; and

storing the index table in the local database.

15. The computer-implemented system of claim 11, wherein the storage format comprises a JSON format.