

Claims

1. A data synchronization method, characterized by, a first system and a second system both installed in a first device, the method comprising:

starting the first system;

enabling the second system to hibernate;

retrieving data from a storage area corresponding to the first system;

sending the data to a second device for the second device to process the data;

starting the second system upon receiving processed data returned by the second device;

enabling the first system to hibernate; and

storing, through the second system, the processed data into a storage area corresponding to the second system.

2. The method of claim 1, characterized in that the first system is an open system, and the second system is a closed system; or

the first system is a closed system, and the second system is an open system.

3. The method of claim 1, characterized by, before the sending the data to a second device, the method further comprising:

encrypting the data.

4. The method of claim 1, characterized in that the receiving the processed data returned by the second device specifically comprises:

receiving encrypted processed data returned by the second device; and

before the storing the processed data into a storage area corresponding to the second system, the method further comprises:

decrypting the encrypted processed data.

5. The method of claim 1, characterized by, before the retrieving the data from the storage area corresponding to the first system, the method further comprising:

retrieving a last storage time when the processed data returned by the second device is stored into the storage area corresponding to the second system; and

determining that a period of time from the last storage time to a current time exceeds a set threshold.

6. A data synchronization method, characterized by a first system and a second system both installed in a first device, the method comprising:

receiving data sent by the first device, wherein the data is retrieved by the first device from a storage area corresponding to the first system while the second system is hibernating;

processing the data; and

sending the processed data to the first device for the first device to, upon receiving the processed data, start the second system, enable the first system to hibernate, and store, through the second system, the processed data into a storage area corresponding to the second system.

7. The method of claim 6, characterized in that the first system is an open system, and the second system is a closed system; or

the first system is a closed system, and the second system is an open system.

8. The method of claim 6, characterized in that the receiving data sent by the first device specifically comprises:

receiving encrypted data sent by the first device; and

before the processing the data, the method further comprises:

decrypting the encrypted data.

9. The method of claim 6, characterized by, before the sending the processed data to the first device, the method further comprising:

encrypting the processed data.

10. A data synchronization apparatus, characterized by a first system and a second system both installed in the apparatus, the apparatus comprising:

a data retrieval module configured to start the first system, enable the second system to hibernate, and retrieve data from a storage area corresponding to the first system;

a data sending module configured to send the data to a second device for the second device to process the data;

the data retrieval module being further configured to receive processed data returned by the second device;

a second system starting module configured to start the second system and enable the first system to hibernate after the data retrieval module receives the processed data returned by the second device; and

a data storage module configured to store, through the second system, the processed data into a storage area corresponding to the second system.

11. The apparatus of claim 10, characterized in that the first system is an open system, and the second system is a closed system; or

the first system is a closed system, and the second system is an open system.

12. The apparatus of claim 10, characterized by the apparatus further comprising:

a data encryption module configured to encrypt the data before the data sending module sends the data to the second device.

13. The apparatus of claim 10, characterized in that the data retrieval module is specifically configured to receive encrypted processed data returned by the second device; and

the apparatus further comprises:

a data decryption module configured to decrypt the encrypted processed data received by the data retrieval module.

14. The apparatus of claim 10, characterized by the apparatus further comprising:

a storage time determination module configured to determine a last storage time when the processed data returned by the second device is stored into the storage area corresponding to the second system; and

a time duration determination module configured to determine that a period of time from the last storage time to a current time exceeds a set threshold.

15. A data synchronization apparatus, characterized by a first system and a second system both installed in a first device, the apparatus comprising:

a data receiving module configured to receive data sent by the first device, wherein the data is data retrieved by the first device from a storage area corresponding to the first system while the second system is hibernating;

a data processing module configured to process the data; and

a data sending module configured to send the processed data to the first device for the first device to, upon receiving the processed data, start the second system, enable the first system to hibernate, and store, through the second system, the processed data into a storage area corresponding to the second system.

16. The apparatus of claim 15, characterized in that the first system is an open system, and the second system is a closed system; or

the first system is a closed system, and the second system is an open system.

17. The apparatus of claim 15, characterized in that the data receiving module is specifically configured to receive encrypted data sent by the first device; and

the apparatus further comprises:

a data decryption module configured to decrypt the encrypted data before the data processing module processes the data.

18. The apparatus of claim 15, characterized by the apparatus further comprising:

a data encryption module configured to encrypt the processed data before the data sending module sends the processed data to the first device.