CLAIMS

WHAT IS CLAIMED IS:

1. A closed-loop communication enterprise resource planning system based on a full-process oral service, specifically comprising: establishing an outpatient hospital information system, wherein the outpatient hospital information system combines an oral diagnosis and treatment service with an hospital information management system and establishes an automatic determining manner for a communication mode to manage and maintain a data volume and real-time performance of data transmission at oral service ports; and the oral service ports comprise a personnel management port, a salary port, and a financial port;

wherein the automatic determining manner for the communication mode comprises the following specific process:

B1: establishing a data volume monitoring statistical model for a specified period, and setting a threshold range of transmission for a data volume and data traffic;

B2: determining the data traffic at a specified time for an oral service process with a real-time performance requirement, and automatically switching to a RestFul API communication mode when the data traffic is not within the threshold range; and

B3: determining the data volume for an oral service process without a real-time performance requirement, and automatically switching to an Oracle intermediate table communication mode when the data volume is not within the threshold range.

2. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 1, wherein a salary system is involved in the outpatient hospital information system, and a salary calculation formula is established in the salary system; and salary calculation is performed by using the salary calculation formula for outpatient income data aggregation, performance data aggregation, and performance data validation, and then a salary calculation result is synchronized to the salary port.

3. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 2, wherein the salary calculation specifically comprises a peripheral product bonus, a consulting reservation, a consulting bonus, a tooth cleaning bonus for a nurse, a whitening bonus, a store achievement reward, a store performance commission, and a doctor bonus.

4. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 1, wherein for an Oracle intermediate table, a data incremental synchronization method is established to update data sheets at the oral service ports in a batch.

5. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 4, wherein for the Oracle intermediate table, when data at any of the oral service ports changes, data in the data intermediate table is updated, and the outpatient hospital information system performs the updated stored data and transmits the stored data to a database of the outpatient hospital information system.

6. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 5, wherein incremental database optimization processing is established in the data incremental synchronization method; and database update optimization and multi-database interactive optimization are established for the oral service ports in the incremental database optimization processing.

7. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 6, wherein in the database update optimization, correlation analysis is performed on a feature value corresponding to related data in a data sheet on the basis of the update of the data sheets in the data incremental synchronization method, and automatic update of the related data in the data sheet is performed.

8. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 7, wherein in the automatic update, calculation of a deviation value between raw data and updated data in a data sheet is established to make an adaptive adjustment of accuracy of the automatic update of the data sheet in the data incremental synchronization method.

9. The closed-loop communication enterprise resource planning system based on a full-process oral service according to claim 6, wherein a user-defined index list is established in the multi-database interactive optimization to reduce a number of times of accesses and interactions between databases.