

ABSTRACT

The disclosure relates to a database system and a column changing method for a database, where a column attribute of a first column is changed to a change target value. A second column is added into each of a physical data table and a physical GSI table.

5 A second column is added into a respective structure definition of each of a logical data table and a logical GSI table, and the second column is made hidden from a user. The second column in the logical data table and the second column in the logical GSI table are respectively associated with the second column in the physical data table and the second column in the physical GSI table, and a value of the attribute of the second

10 column in the logical table is the change target value. Configuration is performed in the respective structure definition of each of the logical data table and the logical GSI table, to replace a first column with the second column in user access logic of the database. The first column is deleted from each of the physical data table and the physical GSI table. The first column is deleted from the respective structure definition of each of the

15 logical data table and the logical GSI table. Therefore, column changing for the database is conveniently implemented, and an execution failure of a user's write or read access request will not be caused during the column changing.

Fig. 4