DB_INSUPD

DB_INSUPD a DBS_INSUPD actions

Function

The action is a merger of the actions DB_INSERT and DB_UPDATE (or **DBS_INSERT** and **DBS_UPDATE**). It works just with one row or more rows. If inserting a row fails (for any reasons), there is an assumption that inserting failed because of the reference integrity (unique key in database) and the action attempts to update an already existing row. There will be updated the columns, which are not part of the key, the key column(s) remains unchanged. The action is terminated successfully only if all the rows have been inserted or updated.
Note: The values of all key items in `rowIdent` must be valid, otherwise the interting/updating will not take place, it will end with an error and %GetLastExtErrorCode() will return error 667.

Declaration

```
DB_INSUPD handleIdent_Int, rowIdent, retCodeIdent_Int [ORAHINT
hintIdent_Str]

DBS_INSUPD dbObjIden, rowIdent, retCodeIdent_Int [TRANS transHandle_Int]
[ORAHINT hintIdent_Str]
```

or

```
DB_INSUPD handleIdent_Int, structIdent, retCodeIdent_Int [ORAHINT
hintIdent_Str]

 DBS_INSUPD dbObjIdent, structIdent, retCodeIdent_Int [TRANS
transHandle_Int] [ORAHINT hintIdent_Str]
```

Parameters

handleIdent_Int	in	Identifier of *Int* type - handle of connection with the database table (DB_CONNECT).
dbObjIdent	in	Reference to object of Database table type.
rowIdent	in	Identifier of one structure row (a row to insert/update).
structIdent	in	Identifier of entire structure (the rows to insert/update).
retCodeIdent_Int	out	Return code identifier.
transHandle_Int	in	Identifier of the *connection* to the database.
hintIdent_Str	in	Expression of *String* type that defines Oracle SQL hint. It is used as an instruction for the performance optimizer of SQL command. The value is used without the opening and terminating characters /*+ <*orahint*> */. The example is mentioned here.

Return code

Value of the parameter *retCodeIdent_Int* - see the table of error codes. It is possible to get extended error information.
Since the version D2000 v7.01.010, the action **DBS_INSUPD** returns an error in case that the number of updated rows, by any row of structure, is 0.

Description

Database table must be opened with the access rights *_DB_MODIFY*. Row or structure to be inserted must be of correct structure type. All items of each row to insert must contain valid values. There must be defined a key for the database table.

Advantage of the action **DBS_INSUPD** when working with a database table, is the possibility to leave out opening and closing the database table (easier declaration). Optimisation of the DBManager process (recycling connections, prepared connections) allows to execute the action **DBS_INSUPD** as quick as the action **DB_INSUPD** and the time necessary for processing the explicit command to open the database **DB_CONNECT** will be saved.

Example

Work with a database table (actions DB_...).

Related topics

DB_CONNECT
DB_DELETE
DB_DISCONNECT
DB_INSERT
DB_READ
DB_READ_BLOB
DB_UPDATE
DB_UPDATE_BLOB

DB_TRANS_OPEN
DB_TRANS_COMMIT
DB_TRANS_ROLLBACK
DB_TRANS_CLOSE

All database related actions

Related pages:

Script actions