DBS_INSERT

DB_INSERT and DBS_INSERT actions

Function

The action will insert one or more rows into the table.

Declaration

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

DBS_INSERT dbObjIdent, rowIdent, retCodeIdent_Int [TRANS transHandle_Int]
[ORAHINT hintIdent_Str]
```

or

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

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

Parameters

handleIdent_Int	in	Identifier (handle) of Int type of the connection with a table (DB_CONNECT).
dbObjIdent	in	`Reference to an object of Database table`.
rowIdent	in	One structure row identifier (row to insert).
structIdent	in	Identifier of a whole structure (rows to insert).
retCodeIdent_Int	out	Return value of Int type - action success.
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

The value of the parameter *transHandle_Int*. See the table of error codes. It is possible to get extended error information.

Description

Table must be opened with the access _DB_MODIFY. There must be the correct structure type of inserted row or structure. Values of all items of every inserted row must be valid.

The advantage of the action **DBS_INSERT** at work with a table is the possibility to leave out its closing and opening (shorter code).

For D2000 v5.00: an disadvantage of the action **DBS_INSERT** is in speed. Each **DBS_INSERT** call results in necessity to open and close the database in DBManager - it can be a time-consuming operation and it is a comparatively nonstandard method in term of databases.
The need to open and close the database may be avoided in the scope of transaction processing so that the command is followed by the parameter

```
TRANS
```

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For D2000 v6.00 and higher: DBManager optimization (connection recycling, predefined connections) causes, that the action **DBS_INSERT** is executes as quick as the action **DB_INSERT** and as moreover there is saved a time required for execution of the action **DB_CONNECT** to open the database.

Example	Work with a database table (actions DB_...).
Related topics	DB_CONNECT DB_DELETE DB_DISCONNECT DB_INSUPD 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

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