

DB_UPDATE_BLOB

DB_UPDATE_BLOB and DBS_UPDATE_BLOB actions

Function

Writing of one record of *LOB* type into the table in the database.
LOB (Large Object) can be:

- BLOB (Binary LOB),
- CLOB (Character LOB),
- XMLType (CLOB for work with xml data in Oracle DB).

Declaration

```
DB_UPDATE_BLOB handleIdent_Int, lobColNameIdent_Str, lobFileNameIdent_Str,  
retCodeIdent_Int, idKeyIdent [ORAHINT hintIdent_Str]
```

```
DB_UPDATE_BLOB handleIdent_Int, lobColNameIdent_Str,  
lobFileNameIdent_Str, retCodeIdent_Int WHERE strExpression_Str [ORAHINT  
hintIdent_Str]
```

```
DBS_UPDATE_BLOB dbObjIdent, lobColNameIdent_Str, lobFileNameIdent_Str,  
retCodeIdent_Int, idKeyIdent [TRANS transHandle_Int] [ORAHINT  
hintIdent_Str]
```

```
DBS_UPDATE_BLOB dbObjIdent, lobColNameIdent_Str, lobFileNameIdent_Str,  
retCodeIdent_Int WHERE strExpression_Str [TRANS transHandle_Int] [ORAHINT  
hintIdent_Str]
```

Parameters

handleIdent_Int	in	Identifier of <i>Int</i> type (handle) of the connection to a database (DB_CONNECT).
lobColNameIdent_Str	in	Name of <i>LOB</i> type column in the table.
lobFileNameIdent_Str	in	Name of a file, from where the read record of <i>LOB</i> type is to be read.
transHandle_Int	in	Identifier of the Connection to the database.
idKeyIdent	in	Identification key determining the row (if the key consists of several columns, <i>idKeyIdent</i> is a structure of the same type as the table - just values of key columns are to be taken into account).
strExpression_Str	in	Expression of String type, that defines the table row read.
dbObjIdent	in	Reference to an object of Database table .
retCodeIdent_Int	out	Return code of the <i>Int</i> type - action success.
hintIdent_Str	in	Expression of <i>String</i> 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 <i>/*+ <orahint> */</i> . 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

The action DB_UPDATE_BLOB allows to write one record of *LOB* type into a table in a database. The table is given by the identifier *dbObject*, that represents an object of *Database table* type. The 2nd and 4th declarations are concerned to [DBS](#) actions, which do not require the explicit actions to open and close the database ([DB_CONNECT](#) and [DB_DISCONNECT](#)). It is also possible to use the running transaction identifier *transHandle_Int* gained by previous calling the action [DB_TRANS_OPEN](#). The written record of *LOB* type is read from a file, which name is given by the identifier *lobFileNameIdent_Str*. Value of the identifier *lobColNameIdent_Str* defines a name of the column, which type is *LOB* and will be overwritten.

Row (or rows in dependence on the result set of corresponding rows), which will be overwritten, can be defined by:

1. Using the parameter *idKeyIdent*. An identification key must be defined in the configuration of an object of *Database table* type. Then a row, with a value matching the given identification key, will be found in the table.
2. A value of the expression *strExpression_Str*, which represents a clause WHERE for the SQL command SELECT executing a selection from the table.

The parameter *retCodeIdent_Int* returns the attribute *_ERR_NO_ERROR* - action success, or:

1. *_ERR_FILE_ERROR* - an error occurred during operation with the file.
2. Other default error codes.

Note

The action was tested for the file of 175 MB. If the file exceeds 32768 bytes, a temporary file will be created in the current file of [D2000 DBManager](#). After it is written into LOB it will be deleted automatically.

Example

[Work with a database table \(actions DB_ ...\)](#).

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[DB_CONNECT](#)
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[DB_DISCONNECT](#)
[DB_INSERT](#)
[DB_INSUPD](#)
[DB_READ](#)
[DB_READ_BLOB](#)
[DB_UPDATE](#)

[DB_TRANS_OPEN](#)
[DB_TRANS_COMMIT](#)
[DB_TRANS_ROLLBACK](#)
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