# DB_READ_BLOB

## DB_READ_BLOB and DBS_READ_BLOB actions

**Function**

Reading of one record of *LOB* type from 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_READ_BLOB handleIdent_Int, lobColNameIdent_Str, lobFileNameIdent_Str,
retCodeIdent_Int, idKeyIdent [ORAHINT hintIdent_Str]

DB_READ_BLOB handleIdent_Int, lobColNameIdent_Str, lobFileNameIdent_Str,
retCodeIdent_Int WHERE strExpression_Str [ORAHINT hintIdent_Str]

DBS_READ_BLOB dbObjIdent, lobColNameIdent_str, lobFileNameIdent_Str,
retCodeIdent_Int, idKeyIdent [TRANS transHandle_Int] [ORAHINT
hintIdent_Str]

DBS_READ_BLOB dbObjIdent, lobColNameIdent_str, lobFileNameIdent_Str,
retCodeIdent_Int WHERE strExpression_Str [TRANS transHandle_Int] [ORAHINT
hintIdent_Str]
```

**Parameters**

| | | |
|---|---|---|
| handleIdent_Int | in | Identifier of *Int* type (handle) of the connection to the database (DB_CONNECT). |
| lobColNameIdent_Str | in | Name of a column of *LOB* type in the table. |
| lobFileNameIdent_Str | in | Name of a file, where the *LOB* type record read is to be written. |
| transHandle_Int | in | Identifier of the *Connection* to the database. |
| idKeyIdent | in | Identification key determining the row (if the key consists of several columns, *idKeyIdent* 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 type. |
| retCodeIdent_Int | out | Return code of *Int* type - action success. |
| 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*> */.<br>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 allows to read one record of *LOB* type from a table in a database. The table is defined either by the parameter *handleIdent_Int*, which was acquired by previous calling of the action DB_CONNECT or by the identifier *dbObjectIdent* representing an object of *Database Table* type. The 3rd and 4th types of the declarations is concerned to DBS actions, which do not require the explicit actions to open and close the database (DB_CONNECT and DB_DISCONNECT). Also it is possible to use the identifier running transaction *transHanlde_Int* gained by previous calling the action DB_TRANS_OPEN.
The read record of *LOB* type is written into a file, which name is given in the parameter *lobFileNameIdent_Str*. If the file already exists, then will be overwritten.
A value of the identifier *lobColNameIdent_Str* defines a name of the column, which type is *LOB* and will be read.

A row, which will be read, can be defined:

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. By a value of the expression *strExpression_Str*, that 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. _ERR_NO_DATA - if the record in the database is NULL.
3. Other default error codes.

**Note**

The action was tested for the file of 175 MB.

**Example**

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

**Related topics**

DB_CONNECT
DB_DELETE
DB_DISCONNECT
DB_INSERT
DB_INSUPD
DB_READ
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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**Related pages:**

Script actions