

# PG\_CONNECT

## PG\_CONNECT action

Function

Declaration

Parameters

Return code

Description

The function establishes the connection to a table.

```
PG_CONNECT dbObjIdent, accessIdent_Int, handleIdent_Int, pgSizeIdent_Int,
whereIdent_Str, orderByIdent_Str, rowCountIdent_Int, retCodeIdent_Int
[TRANS transHandle_Int] [MODE mode_Int] [ORAHINT hintIdent_Str]
```

dbObjIdent	in	Reference to an object of Database table type.
accessIdent_Int	in	Value identifier: required access to the table (_DB_READ, _DB_MODIFY).
handleIdent_Int	output	Identifier for an unique number (handle) of the connection to the table.
pgSizeIdent_Int	in	Identifier to determine maximal page size.
whereIdent_Str	in	Identifier of Text type. Condition to select from the table.
orderByIdent_Str	in	Identifier of Text type. Sorting in the final selection.
rowCountIdent_Int	output	Identifier of Int type. The number of rows in the selection.
retCodeIdent_Int	output	Return code identifier.
transHandle_Int	in	Identifier for an unique number (handle) for the connection to the database.
mode_Int	in	Identifier of Int type - 0/1.
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 <a href="#">here</a> .  <b>Note:</b> In this situation, Oracle SQL hint is used for ESL action <a href="#">PG_READ</a> , because in ESL action <a href="#">SQL_CONNECT</a> SELECT expression is compounded for next called ESL action <a href="#">PG_READ</a> .

The value of the parameter transHandle\_Int. See the table of error codes. It is possible to get extended error information.

Page access is initialized by the action **PG\_CONNECT**. It performs the table opening, during which it is possible to specify conditions for the final selection (reduction of visible rows in the table). Selection is limited by the condition with the value whereIdent\_Str. This text (a value of the identifier whereIdent\_Str) is used in the clause **WHERE** in the SQL command.

The action allows to define a way to sort rows in the final selection by means of a value of the identifier orderByIdent\_Str. The value of the identifier is used in the clause ORDER BY in the SQL command.

The required page size is defined by a value of the identifier pgSizeIdent\_Int. This page size is to be used during reading from the table (whole page is read at the same time). A larger page may cause the big memory block allocation, and thereby to cause the malfunction of the operating system. Maximum number of returned rows is limited by a Database configuration parameter [Maximum returned rows](#).

After the successful opening a table (retCodeIdent\_Int = \_ERR\_NO\_ERROR), the identifier rowCountIdent\_Int contains the number of rows in the final selection and the identifier handleIdent\_Int contains the number of the connection (handle).

If the parameter mode\_Int = 1, the pages can be read only sequentially from 1 to maximal page. To move back is disabled. In this case, DbManager will use optimal way of reading from database. If parameter is not use, the value = 0.

Having finished a work with a table, it is necessary to close it using the action [PG\\_DISCONNECT](#).

**Example**

Work with a database table (actions PG\_ ...).

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[DB\\_TRANS\\_ROLLBACK](#)  
[DB\\_TRANS\\_CLOSE](#)

[PG\\_DISCONNECT](#)  
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