

# PG\_READ

## PG\_READ action

**Function** Reading a page from specified table.

**Declaration**

```
PG_READ handleIdent_Int, pageNrIdent_Int, locVarArrIdent, retCodeIdent_Int
```

**Parameters**

handleIdent_Int	in	Identifier of <i>Int</i> type (handle) of the connection to a table (returned by the action <a href="#">PG_CONNECT</a> ).
pageNrIdent_Int	in	Identifier of <i>Int</i> type of required page number (from 1 ...).
locVarArrIdent	out	Identifier local variable of <i>Record</i> type (whole structure) - read result.
retCodeIdent_Int	out	Identifier of <i>Int</i> type - action success.

**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 will read the specified page from a table, that is opened by the action [PG\\_CONNECT](#). The number of the page is the value of the identifier *pageNrIdent\_Int*. Pages in the table are numbered from one (1 ...). The performance of SQL expression SELECT for Oracle, stated in [PG\\_CONNECT](#), can be influenced by using the Oracle SQL hint (parameter in [PG\\_CONNECT](#)).

If reading is successful (*retCodeIdent\_Int* = *\_ERR\_NO\_ERROR*), then the reading result (required page) is assigned to the local variable *locVarArrIdent\_Int*. In case of need, the local variable array size is changed. The structure type of the local variable must be equal with the type of the table. If the reading result is empty data (the error *\_ERR\_NO\_DATA*), the local array will be resized to the size of 0.

**Warning**

Number of pages (number of rows) may be changed during the work with a database - the effect of the using the actions [PG\\_INSERT](#), [PG\\_DELETE](#).

**Note**

For MySQL database, the action optimally works when paging through the next page. Data are browsed upwardly from the first page. To access to the previous page, it requires the internal pagination from the beginning.

**Example**

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

**Related topics**

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

[PG\\_CONNECT](#)  
[PG\\_DISCONNECT](#)  
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