

# DBS\_\* for Database Access

## DBS\_\* actions for table access

The group of actions DBS\_READ, DBS\_DELETE, DBS\_INSERT, DBS\_UPDATE are intended to work with a table. They are other than the actions [DB\\_READ](#), [DB\\_DELETE](#), [DB\\_INSERT](#), [DB\\_UPDATE](#), because they don't require opening a table before (calling the action [DB\\_CONNECT](#)).

All parameters of the DBS\_\* actions are identical to the parameters of the DB\_\* actions, except the first parameter. The first parameter of the actions [DB\\_\\*](#) is always the handle to a table that is acquired when opening the table using the DB\_CONNECT action. For the [DB\\_\\*](#) actions, this parameter is [substituted by the reference](#) to a [Database table](#) type object.

An advantage of the DBS\_\* actions when working with a table is the possibility to leave out closing and opening the table (a shorter declaration). On the other hand, a disadvantage is in the speed. Every calling a DBS\_\*action, within the frame of its handler in the [D2000 DBManager](#) process, results in the need to open and then close the database (it may be a time-consuming operation) and represents, in terms of databases, relatively a nonstandard method. This method can be eliminated to a certain extent by an appropriate setting of the [optimization](#).

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
```

`_transHandle_Int`, where `_transHandle_Int` is the identifier of the [Connection](#) to a database.



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