

DB_SET_PROCESS_PARAMS

DB_SET_PROCESS_PARAMS action

Function

Declaration

Parameters

This action is used for setting the values of named parameters or deleting the parameters of "context".

DB_SET_PROCESS_PARAMS paramsRec

paramsRec

in

Identifier of entire structure. The structured value consists of two columns:

- paramName : String(64)
- paramValue : String(64)

paramName defines the name of a parameter. paramValue defines its value. This table shows the permitted combination of values and their interpretation.

Impact on the result	paramName	paramValue
Inserts or updates the parameter value	defined	defined
Deletes the parameter	defined	(invalid value)
Ignores (it is not a part of requirements for change)	(invalid value)	defined
Ignores (it is not a part of requirements for change)	(invalid value)	(invalid value)

Warning: If there is the situation that the parameter names are duplicated in one calling of action, the undefined behavior occurs!

The "context" is assigned uniquely to the group of processes. The group of processes consists of:

- always the individual process D2000 EventHandler (without using the parameter --batch_mode) or
- in case of the active pictures - a triplet of processes D2000 HI (HIP), HIS and D2000 Server Event Executor (SEE).

If D2000 EventHandler process is started with the parameter --batch_mode, "context" is assigned uniquely to a group of events, which are opened with the same instance number (OPENEVENT), not to whole process. The parameter enables the run of several events on the one EventHandler, and each of them can use own "context". In the case of identical instance numbers, the "context" is mutual shared (is common) and the conditions for implementation of database operation are therefore the same.

The context represents the group of uniquely named parameters where every parameter has a value. It is created by first usage of DB_SET_PROCESS_PARAMS action. It is handled by the D2000 Server. The context is terminated after finishing the last process from the proper group. The contents of context is replicated automatically to all the running D2000 DBManager processes.

Before executing any database command, which was initiated within context, D2000 DbManager, inserts its contents into the table D2000_PROCESS_PARAMS. It inserts the parameter name into the column PARAM_NAME and its value into the column PARAM_VALUE. DbManager creates the table D2000_PROCESS_PARAMS when it is used for the first time.

Note 1

Note 2

Example

This action can be used to create the parameterized views where the parameters come from the table D2000_PROCESS_PARAMS. The table is set automatically by DbManager according to the context in which the database example is used.

Database table D2000_PROCESS_PARAMS is Global Temporary Table. The sessions see only rows that they wrote there. After deleting a session, the rows, bound to the given session, will be deleted automatically from the table. For more information, as well as DLL, see the documentation for Global Temporary Table.

```

; this example validates the result of DB_SET_PROCESS_PARAMS by the
reading of table D2000_PROCESS_PARAMS
; insert/update of parameter that is bound to the process (it updates the
table D2000_PROCESS_PARAMS)

RECORD NOALIAS (SD.Params) _params

TEXT _cmd ; SQL select
INT _retCode ; the return value

_params[1]^PARAM_NAME := "NAME"
_params[1]^PARAM_VALUE := "SELF.DBM"

DB_SET_PROCESS_PARAMS _params
REDIM _params[0]

_cmd := "SELECT PARAM_NAME, PARAM_VALUE FROM D2000_PROCESS_PARAMS WHERE
PARAM_NAME = 'NAME'"

; it reads the table
SQL_SELECT DBC_TEST_DSN, _retCode, 1000, _cmd BIND _params
IF _retCode = _ERR_NO_ERROR THEN
; the structure _params is filled, it contains one line
ELSE
; an error
ENDIF

```

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