INSERTARCHARR

INSERTARCHARR action

Function

Modification, or writing of the array values into the archive.

Declaration

```
INSERTARCHARR archIdent, locVarColValueIdent_Rec [,[retIdent_Int],
bRecalcStat_Bool]
```

Parameters

archIdent	in	Reference to one of (historical) value - (not controlled whether the archive object is used - adding reference to object is enough).
locVarColValueIdent_Rec	in	Column identifier of the *Record* type local variable.
retIdent_Int	out	Identifier of the *Int* type - return code: action success (optional parameter).
bRecalcStat_Bool	in	Identifier of the *Bool* type - enables/disables calculation of related statistical historical values (optional parameter, by default the calculations are enabled - @TRUE).

Description

The action writes the value array for the archive object *archIdent*. Value array represents the column, to which the parameter *locVarColValueIdent*_Rec refers. Time of writing the values into the archive is defined by the time of their generation. If the parameter *retIdent_Int* is not stated, the action does not wait for confirming the writing. If the identifier is stated, it gets one of the following values:

- _ERR_TRANS_ABORT
- _ERR_TRANS_ERROR
- _ERR_TRANS_IGNORED
- _ERR_NO_ERROR

Note

If the identifier *retIdent_Int* is not stated, the script has no feedback to detect the action success. Action execution time is short, because it is a request, that is sent to the system.

If the identifier *retIdent_Int* is stated, the script waits for the physical writing of the value into the archive database.

Result:
If I will use the action to write a value into the archive without waiting and then I will read the value, the read value almost certainly will not be that one written in the previous action.

Calculation of related statistical historical values can be disabled by setting the parameter *bRecalcStat_Bool* to the value of @FALSE.

Example

Writing the value into the archive:

```
RECORD (SD.ArchDemo) _data
INT  _value
INT  _idx
TIME _bt
INT  _retCode

_bt := %StrToTime("8:01:00 16-10-2003")
REDIM _data[60]

; assign any data
_idx := 1
_value := 100
DO_LOOP
  EXIT_LOOP _idx > _data\DIM

  _data[_idx]^value := _value TIME _bt
  _idx := _idx + 1
  _value := _value + 1
  _bt := %AddTime(_bt, 1)
END_LOOP
```

```
; writing
 INSERTARCHARR H.ArchObj, _data^value, _retCode
```

```
; action success test
 IF _retCode # _ERR_NO_ERROR THEN
 ; write error
 ENDIF
```

Related pages:

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