

CALCONDEMANDSTAT

CALCONDEMANDSTAT action

Function

Recalculation (calculation) of the values of:
• statistical historical value
• calculated historical value

statistical historical value or a calculated historical value - the parameter [Compute on demand](#) must be checked in its configuration.

Declaration

```
CALCONDEMANDSTAT archIdent, timeFromIdent_TmA, timeToIdent_TmA,  
bCalcDepend[, statusIdent_Int]
```

Parameters

| | | |
|-------------------|-----|---|
| archIdent | in | Reference to one value of historical value , column or row of structured historical value (see Note). |
| timeFromIdent_TmA | in | Identifier of AbsTime type - interval beginning. |
| timeToIdent_TmA | in | Identifier of AbsTime type - interval end. |
| bCalcDepend | in | Identifier of Bool type - recalculation of dependent OnDemand archives. |
| statusIdent_Int | out | Calculation (action) success. |

Description

The action sends requests to the [D2000 Archiv](#) process to recalculate the statistical values of:

- one historical value (*archIdent*) - the value of the parameter *bCalcDepend* = @FALSE. The Archiv process will calculate only the specified historical value (*archIdent*),
- one historical value (*archIdent*) and all the historical values depending on it (in dependence on a value of the parameter *bCalcDepend*) - the value of the parameter *bCalcDepend* = @TRUE. The [D2000 Archiv](#) process will calculate the specified object (*archIdent*) and all archive objects that directly or indirectly depend on it.

All the calculations are being executed for the time interval specified by the parameters *timeFromIdent_TmA* and *timeToIdent_TmA*.

If the optional parameter *statusIdent_Int* is entered, the action will be terminated after terminating all required calculations on the Archiv process.

The parameter *statusIdent_Int* can get one of the following values:

- *_ERR_TRANS_ABORT*
- *_ERR_TRANS_ERROR*
- *_ERR_TRANS_IGNORED*
- *_ERR_NO_ERROR*

Note

The *archIdent* parameter can also contain the reference to a part (row or column) or entire structured historical value.

Example:

- *H.ColArchiv* - reference to the entire structured historical value
- *H.ColArchiv[2]* - reference to all values of structured historical value within the row of 2
- *H.ColArchiv^ColName* - reference to all values of structured historical value within the *ColName* column

Example

```
TIME _bt
TIME _et
INT _retCode

_bt := %StrToTime("00:00:00 16-10-2003")
_et := %StrToTime("00:00:00 17-10-2003")

CALCONDEMANDSTAT H.Primary, _bt, _et, @FALSE, _retCode

IF _retCode = _ERR_NO_ERROR THEN
    ; calculation executed
ELSE
    ; an error occurred
ENDIF
```



Related pages:

[Script actions](#)