

CALCONDEMANDSTAT

CALCONDEMANDSTAT action

Function

Declaration

Parameters

Description

Note

Example

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.

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

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

The action sends requests to the process **D2000 Archiv** to recalculate the statistical values of:

- one historical value (*archIdent*) - the value of the parameter *bCalcDepend* = *@FALSE* The process Archiv will calculate only defined 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 process **D2000 Archiv** will calculate the given object (*archIdent*) and all archive objects that directly or indirectly depend on given archive object.

All the calculations are being executed for the time interval given 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 process Archiv.

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

- `_ERR_TRANS_ABORT`
- `_ERR_TRANS_ERROR`
- `_ERR_TRANS_IGNORED`
- `_ERR_NO_ERROR`

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

Example:

- H.ColArchiv* - reference to 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

```
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
```

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