

CALCONDEMANDSTAT

CALCONDEMANDSTAT action

Function	Recalculation (calculation) of the values of: <ul style="list-style-type: none">• statistical historical value• calculated historical value <p>statistical historical value or a calculated historical value - the parameter Compute on demand must be checked in its configuration.</p>																
Declaration	<pre>CALCONDEMANDSTAT archIdent, timeFromIdent_TmA, timeToIdent_TmA, bCalcDepend[, statusIdent_Int]</pre>																
Parameters	<table><tr><td>archIdent</td><td>in</td><td>Reference to one value of historical value, column or row of structured historical value (see Note).</td></tr><tr><td>timeFromItemIdent_TmA</td><td>in</td><td>Identifier of AbsTime type - interval beginning.</td></tr><tr><td>timeToItemIdent_TmA</td><td>in</td><td>Identifier of AbsTime type - interval end.</td></tr><tr><td>bCalcDepend</td><td>in</td><td>Identifier of Bool type - recalculation of dependent OnDemand archives.</td></tr><tr><td>statusIdent_Int</td><td>output</td><td>Calculation (action) success.</td></tr></table>		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.
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Description	<p>The action sends requests to the D2000 Archiv process to recalculate the statistical values of:</p> <ol style="list-style-type: none">1. one historical value (<i>archIdent</i>) - the value of the parameter <i>bCalcDepend</i> = <i>@FALSE</i>. The Archiv process will calculate only the specified historical value (<i>archIdent</i>),2. one historical value (<i>archIdent</i>) and all the historical values depending on it (in dependence on a value of the parameter <i>bCalcDepend</i>) - the value of the parameter <i>bCalcDepend</i> = <i>@TRUE</i>. The D2000 Archiv process will calculate the specified object (<i>archIdent</i>) and all archive objects that directly or indirectly depend on it. <p>All the calculations are being executed for the time interval specified by the parameters <i>timeFromIdent_TmA</i> and <i>timeToIdent_TmA</i>. Note: future calculations are disabled, if <i>timeToIdent_TmA</i> is also greater than the current time, only upto the current time is calculated.</p> <p>If the optional parameter <i>statusIdent_Int</i> is entered, the action will be terminated after terminating all required calculations on the Archiv process.</p> <p>The parameter <i>statusIdent_Int</i> can get one of the following values:</p> <ul style="list-style-type: none">• <i>_ERR_TRANS_ABORT</i>• <i>_ERR_TRANS_ERROR</i>• <i>_ERR_TRANS_IGNORED</i>• <i>_ERR_NO_ERROR</i>																
Note	<p>The <i>archIdent</i> parameter can also contain the reference to a part (row or column) or entire structured historical value. Example:</p> <ul style="list-style-type: none">• <i>H.ColArchiv</i> - reference to the entire structured historical value• <i>H.ColArchiv[2]</i> - reference to all values of structured historical value within the row of 2• <i>H.ColArchiv^ColName</i> - reference to all values of structured historical value within the <i>ColName</i> 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
```



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