

# CALCONDEMANDSTAT

## CALCONDEMANDSTAT action

Function	Recalculation (calculation) of the values of: <ul style="list-style-type: none"><li>• statistical historical value</li><li>• calculated historical value</li></ul> <p>statistical historical value or a calculated historical value - the parameter <a href="#">Compute on demand</a> 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><a href="#">Reference to one value of historical value</a>, column or row of structured historical value (see <b>Note</b>).</td></tr><tr><td>timeFromItemIdent_TmA</td><td>in</td><td><a href="#">Identifier</a> of AbsTime type - interval beginning.</td></tr><tr><td>timeToItemIdent_TmA</td><td>in</td><td><a href="#">Identifier</a> of AbsTime type - interval end.</td></tr><tr><td>bCalcDepend</td><td>in</td><td><a href="#">Identifier</a> 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	<a href="#">Reference to one value of historical value</a> , column or row of structured historical value (see <b>Note</b> ).	timeFromItemIdent_TmA	in	<a href="#">Identifier</a> of AbsTime type - interval beginning.	timeToItemIdent_TmA	in	<a href="#">Identifier</a> of AbsTime type - interval end.	bCalcDepend	in	<a href="#">Identifier</a> of Bool type - recalculation of dependent OnDemand archives.	statusIdent_Int	output	Calculation (action) success.
archIdent	in	<a href="#">Reference to one value of historical value</a> , column or row of structured historical value (see <b>Note</b> ).															
timeFromItemIdent_TmA	in	<a href="#">Identifier</a> of AbsTime type - interval beginning.															
timeToItemIdent_TmA	in	<a href="#">Identifier</a> of AbsTime type - interval end.															
bCalcDepend	in	<a href="#">Identifier</a> of Bool type - recalculation of dependent OnDemand archives.															
statusIdent_Int	output	Calculation (action) success.															
Description	<p>The action sends requests to the <a href="#">D2000 Archiv</a> process to recalculate the statistical values of:</p> <ol style="list-style-type: none"><li>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>),</li><li>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 <b>D2000 Archiv</b> process will calculate the specified object (<i>archIdent</i>) and all archive objects that directly or indirectly depend on it.</li></ol> <p>All the calculations are being executed for the time interval specified by the parameters <i>timeFromIdent_TmA</i> and <i>timeToIdent_TmA</i>.</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"><li>• <i>_ERR_TRANS_ABORT</i></li><li>• <i>_ERR_TRANS_ERROR</i></li><li>• <i>_ERR_TRANS_IGNORED</i></li><li>• <i>_ERR_NO_ERROR</i></li></ul>																
Note	<p>The <i>archIdent</i> parameter can also contain the reference to a part (row or column) or entire structured historical value.</p> <p>Example:</p> <ul style="list-style-type: none"><li>• <i>H.ColArchiv</i> - reference to the entire structured historical value</li><li>• <i>H.ColArchiv[2]</i> - reference to all values of structured historical value within the row of 2</li><li>• <i>H.ColArchiv^ColName</i> - reference to all values of structured historical value within the <i>ColName</i> column</li></ul>																
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](#)