

- **256** ([ArcLoadData](#)) - obsolete: value was obtained from OS/2 database SQL Gupta via [On-line archive database import](#)
- **512** ([ArcMonoTime](#)) - value is stored with monotonous time
- **1024** ([ArcK](#)) - value of periodic archive is generated during reading as a copy of previous value

The logical AND (&), that may be also applied into integer operands, is used to test archive flags. For example: If the condition *archFlagsIdent_Int & 4 = 4* is true, then the flag of a value that was read from the archive database by means of the action **GETARCHVAL** is has **ArcBlock** flag (blocking of the archiving).

The value of the parameter *archiveInstance_Int* defines the instance of archive which executes the request. If the parameter is not defined (or the value is 0), the active instance of archive will execute the request.

For versions newer than 21.0.70, you can specify a VALID or INVALID clause. This clause can be used to read the last valid (VALID) or invalid (INVALID) value for a given time (ignoring all following values which are not VALID or INVALID).

Note

- If the particular archive process is not running, the action generates the error **_ERR_ARCHIV_NOT_RUNNING**.
- If an object of the [Historical value](#) is archived:
 - periodically, reading a value out of the period is unsuccessful
 - according to a filter, value for the required time is to be derived from the last stored value in the archive.

Example

Reading of archived value:

```
REAL _value
TIME _bt
BOOL _bIsArchData

; calculation of current minute begin
_bt := SysTime
_bt := _bt - %ModTime(_bt, 60)
; reading of value and active instance of archive
GETARCHVAL _value, H.Sec, _bt STATUS _bIsArchData,,0
; has the value been read?
IF _bIsArchData THEN
; processing of value which has been read
ENDIF
```



Related pages:

[Script actions](#)