

SETCOLTIME

SETCOLTIME action

Function

The action allows to define a time of values in defined structure column.

Declaration

SETCOLTIME _srcRec^DateTimeCol, _dstRec, _dstRecColIdx

Parameters

_srcRec	in	Column identifier determining a target column used for acquiring times.
_dstRec	out	Local structure identifier determining a target structure used for setting the times.
_dstRecColIdx	in	Identifier of <i>Int</i> type.

Description

The action sets a time for each value in the local structure *_dstRec* - the column with the serial number *_dstRecCol*, according to the time of a value in corresponding column *_srcRec^DateTimeCol*. The structures *_dstRec* and *_srcRec* must have the same number of rows.

The action represents a substitution for the following loop:

```
RECORD (SD.Def) _srcRec
RECORD (SD.Def) _dstRec

BEGIN
    REDIM _srcRec[10]
    REDIM _dstRec[10]

    ; Activity of SETCOLTIME action
    IF _srcRec\DIM # _dstRec\DIM THEN
        ; The error _ERR_RANGE_ERROR
        END
    ENDIF
    INT _row
    _row := 1
    DO_LOOP
        EXIT_LOOP _row > _srcRec\DIM
        IF !_srcRec[_row]^TimeCol\VLD THEN
            ; Error
            END
        ENDIF
        _dstRec[_row]^ValueCol := _dstRec[_row]^ValueCol TIME _srcRec[_row]^TimeCol
        _row := _row + 1
    END_LOOP
    ; End of the action

END
```

The type of the column *TimeCol* used in the example must be Absolute time.

Example

The following example executes the loop described above using the action **SETCOLTIME**. It assumes, that the serial number of the column *ValueCol* is 2.

```
SETCOLTIME _srcRec^TimeCol, _dstRec, 2
```



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