# SETDT\_LINEOBJ

## SETDT\_LINEOBJ action

#### **Function**

The action connects an object to a graph.

Declaration

SETDT\_LINEOBJ graph, lineNr, newObj, [retCode

```
], [axisNr],
```

ſ

bSilent

]

or

HI\_SETDT\_LINEOBJ graph\_RefId, lineNr, newObj, [axisNr], [bSilent]

#### **Parameters**

gra ph	in	Reference to object of the <i>Graph</i> type.
gra ph_ Refld	in	Value of a reference variable associated to graphic object of the Graph type.
line Nr	in	Identifier of the Int type.
new Obj	in	Reference to an object or reference to one value of a historical value.
axis Nr	in	Int type - number of axis associated to a given process. If number is not specified (or its value is -1), number of axis will not be changed in graph configuration.
retC ode	o ut	Optional identifier of the <i>Int</i> type - return code.
bSil ent	in	Optional identifier of the <i>Bool</i> type.  SETDT_LINEOBJ action: If it is not written or it is @FALSE, the system informs the running processes of D2000 HI about the change. The processes open graph again according to new configuration. If the parameter is @TRUE, the change of graph configuration will be done without this automatic update.  HI_SETDT_LINEOBJ: If the parameter is @TRUE only the setting in graph will be done without calling the values of progress from archive. If it is not written or it is @FALSE, the setting is done and data are required from archive.

#### Description

The action will connect the object (or structured archive item) given by the parameter newObj, to the given flow (line) in the graph. The modified flow must exist, because the action is not able to increase their number.

If the parameter *retCode* is not used, the action generates only the request for a change and does not wait for its real execution. If it is used, it is possible to test the action success (*\_ERR\_NO\_ERROR*).

The action can be of two versions:

- SETDT\_LINEOBJ the graph change in configuration of application. The changes are saved
  into the configuration database and they are lasting. The action can be used in object of the Eve
  nt type and in script of picture.
- HI\_SETDT\_LINEOBJ the change of opened graph which is displayed in displayer of the Graph
  type in picture. In this case, it is determined by the value of the first parameter. The changes are
  temporary and they will be taken off when the graph (picture) is closed.

### Warning:

The configuration change by SETDT\_LINEOBJ without waiting on result of the operation can collide with following script commands for graph.

#### For example:

INT \_retCode

```
SETDT_LINEOBJ D.Test, 1, Min
%HI_SetGraphTimes(_Graph, _BT, _ET, @TRUE)
```

can caused that time is set before coming the configuration change which sets time according to graph

The example assumes existence of the object D.Graph of the  $\ensuremath{\mathbf{GRAPH}}$  type.

```
SETDT_LINEOBJ D.Graph, 2, Sec, _retCode
 ; Action success test
IF _retCode = _ERR_NO_ERROR THEN
    ; Change executed
 ELSE
    ; Error
 ENDIF
```

```
; Disconnecting the object
ALIAS _empty
SETDT_LINEOBJ D.Graph, 2, _empty
```

```
; Connecting of object Sec on the third process in graph T.Graf, where
the number of axis is 5
          ; The action do not wait on its real executing
            SETDT_LINEOBJ T.Graf, 3, Sec,, 5
  ; The action waits on its real executing, configuration change is made % \left( 1\right) =\left( 1\right) \left( 
inconspicuously
            SETDT_LINEOBJ T.Graf, 3, Sec, _retCode, 5, @TRUE
```

Example

## Related pages:

Script actions Graphic object manipulation functions