SETDT_LINEOBJ

SETDT_LINEOBJ action

Function	The action connects an object to a graph.
Declaration	**SETDT_LINEOBJ** graph, lineNr, newObj**,** [retCode

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

[

```
bSilent
```

]

or

```
HI_SETDT_LINEOBJ graph_RefId, lineNr, newObj, [axisNr], [bSilent]
```

Parameters

graph	in	Reference to object of the *Graph* type.
graph_RefId	in	Value of a reference variable associated to graphic object of the Graph type.
lineNr	in	Identifier of the *Int* type.
newObj	in	Reference to an object or reference to one value of a historical value.
axisNr	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.
retCode	out	Optional identifier of the *Int* type - return code.
bSilent	in	Optional identifier of the *Bool* 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 *Event* 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:

```
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 definition.

Example   The example assumes existence of the object D.Graph of the **GRAPH** type.

```
INT _retCode
```

```
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
inconspicuously
 SETDT_LINEOBJ T.Graf, 3, Sec,  _retCode, 5, @TRUE
```

ⓘ   **Related pages:**

Script actions
Graphic object manipulation functions