

# OPENEVENT

## OPENEVENT action

### Function

The action opens and runs given [Server Event](#) or [Client and Server Event](#).

### Declaration

```
OPENEVENT refToServerEvent DIRECT [INSTANCE instanceExprInt] [SYNC]
```

or

```
OPENEVENT refToServerEvent ON procIdent [INSTANCE instanceExprInt] [SYNC]
```

### Parameters

|                  |    |                                                                                                                                          |
|------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|
| refToServerEvent | in | <a href="#">Reference</a> to <a href="#">server event</a> or <a href="#">Client and Server Event</a> .                                   |
| instanceExprInt  | in | <a href="#">Expression</a> of the <i>Int</i> type - instance number.                                                                     |
| procIdent        | in | <a href="#">Identifier</a> of object of <a href="#">Process</a> type ( <a href="#">D2000 HI</a> or <a href="#">D2000 EventHandler</a> ). |

### Description

The action opens and runs the **Server Event** or **Client and Server Event** (*refToServerEvent*) within the **D2000 HI** or **D2000 Event Handler** processes given by the parameter *procIdent*. **Client and Server Event** can be opened and running only within the D2000 HI, given by the parameter *procIdent*.

The action also allows specifying an instance number (the *instanceExprInt* parameter) for multiple openings of the server event within the process.

If the keyword **SYNC** is used, the action will be terminated after the event has been really open. After the action is terminated, RPC procedures may be called to the event.

```
INT _hbj      ; a unique identifier process

TEXT _desc
;
OPENEVENT E.Lib1 ON (_hbj) SYNC
; calling
CALL [E.Lib1] GetDesc(_desc) ON (_hbj)
```

The action ends with error, if there is the keyword **SYNC** and:

- *E.Lib1* event is neither Server Event nor Client and Server Event,
- *E.Lib1* event is Server Event but the process, specified by the parameter *\_hbj*, is not D2000 HI or D2000 Event Handler or the given process is not running,
- *E.Lib1* event is Client and Server Event and the process, specified by the parameter *\_hbj*, is not D2000 HI, or the given process is not running.

The action will not be successful if requires the opening the event instance on the process **D2000 Event Handler**, which is the parent of the *E.Lib1* event.

Action with the **DIRECT** clause opens given event within the same process that contains the script with the **OPENEVENT** action.

Closing an server event opened by **OPENEVENT** must be required by given script - calling the [CLOSE DIRECT](#) action. It can be implemented by the following RPC procedure:

```
RPC PROCEDURE Close (TEXT _desc)
    CLOSE DIRECT
END
```

**WARNING:** The RPC procedure *Close* must be called asynchronously, i.e.:

```
CALL E.Lib1 Close (_desc) ASYNC ON (_hbj)
```

**Note**

The change in the event configuration while running the script does not influence the run.



**Related pages:**

[Script actions](#)