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## Explanation softlinks

A softlink can be created at any point of a process without being considered in the modeling of the main process.

Unlike a subprocess a softlink does not proceed sequentially to its main process.

A limited sequencing can be achieved by the inclusion of a timer/actionhandler.

The connection is done by a process variable in the softlink which has the ID of the main process as value.

A softlink can either be created by implementing the necessary JavaScript functions or by an [ActionHandler](#).

A softlink has no special conditions so every runnable process can be considered as softlink.

In order to evaluate the launched softlinks of a process, the corresponding JavaScript code must be implemented, which allows a graphical analysis in the smartform of the main process.

## JavaScript

### WebService

```
webService.ProcessVariableManager.startNewSubProcessInstanceWithSoftLink
```

#### Parameter:

1. Name of the process definition to be started
2. Inheritance of all process variables of the main process (true/false)
3. ID of the main process
4. Name of the softlink instance
5. Callback function

#### Example:

```
webService.ProcessVariableManager.startNewSubProcessInstanceWithSoftLink('IA  
MTHEPROCESSTOBESTARTED', true, '010101', 'THATISHOWMYINSTANCESHOULDBENAMED',  
function(WEBSERVICEANSWER){  
    PROCESSING THE REPLY...  
});
```

### Button in smartform

It is possible to include a button in the smartform which starts a softlink by clicking.  
The button needs the initMethod: 'createSoftLink'.

### Parameter in value (';' seperate):

1. Name of the process definition to be started or name of a process variable which contains the name of the process definition!!
2. Inheritance of process variables of the main process (true/false)
3. Name of the softlink instance or name of a process variable which contains the name!!
4. Callback function OPTIONAL!!

### Example:

```
<input type='BUTTON' id='REPLACEME' name='REPLACEME'
value='PROCESSDEFINITIONNAME;true;NEWNAME;IAMTHENAMEOFTHECALLBACK'
initMethod='createSoftLink'>Softlink Button</input>
```

## Evaluate softlinks

### Webservice

To find all softlinks of a process:

```
webService.ProcessInstanceManager.getSoftLinkedSubprocesses('IDOFTHEMAINPROCESS', function(WEBSERVICEANSWER){
    PROCESSING THE REPLY...
});
```

To evaluate all variables of a softlink:

```
webService.ProcessVariableManager.getProcessContextEntity('IDOFTHESOFTLINK',
function(WEBSERVICEANSWER){
    PROCESSING THE REPLY...
});
```

For changing the variables of a softlink, the WSEntity which was received by `webService.ProcessVariableManager.getProcessContextEntity` must be changed and returned .

```
webService.GenericEntityManager.merge(WSENTITY);
```

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