

11.2 SDK Action

It is a type of function that is used to create custom BPMN actions.

You can register new actions with the following method:

`SDK::setProcessMakerAction($func, $src, $label);`

\$func : name of the function

\$src : path to the file containing the function

\$label : label of the function

To unregister the file use:

`SDK::unsetProcessMakerAction($func);`

\$func : name of the function

Once registered, it is available for use in the "Action" section where all the other BPMN actions are present.

Create a new action ▼

Furthermore, once we have chosen the function to call, if we manage input parameters in the function we have the possibility of passing them directly from the interface:

Action: SDK Function

Save Cancel

Action title

SDK Function

Additional parameters

Parameter value	
<input type="text" value="ID"/>	<input type="text" value="\$68-crmid"/>
<input type="text" value="Related to"/>	<input type="text" value="\$68-parent_id"/>

Add parameter

Example

In the following example I record a function to add a guest to an event.

```
SDK::setProcessMakerAction('vte_add_event_invitee', 'modules/SDK/src/ProcessMaker/Utils.php',  
'Add invitee to event (event, user/contact)');
```

This function requires two parameters: the event id and the invitee id, which can be a user or a contact. For clarity, I also indicate the parameters in the function label in the registration command.

In the function that I will develop, the `$event` and `$invitee` parameters must be added, which will be populated with the values passed by the action configuration interface.

The first two parameters are fixed and are:

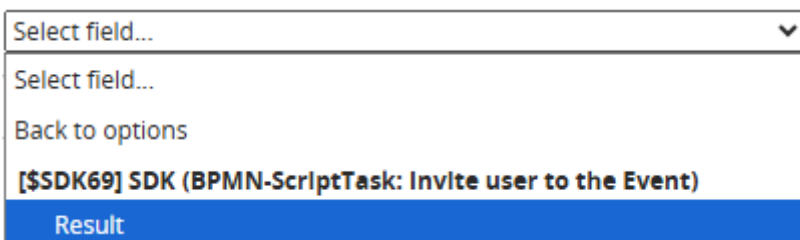
`$engine`, the object containing all the information relating to the process that is being performed
`$actionid`, the id of the current action

```
function vte_add_event_invitee($engine, $actionid, $event, $invitee) {
    $engine->log('vte_add_event_invitee', "event:$event invitee:$invitee");

    if (strpos($event,'x') !== false) list(,$event) = explode('x',$event);
    if (strpos($invitee,'x') !== false) list(,$invitee) = explode('x',$invitee);

    $parent_module = getSalesEntityType($invitee);
    if ($parent_module == 'Contacts') {
        $_REQUEST['inviteesid_con'] = $invitee;
    } else {
        $_REQUEST['inviteesid'] = $invitee;
    }
    $focus = CRMEntity::getInstance('Events');
    $focus->retrieve_entity_info_no_html($event,'Events');
    $focus->mode = 'edit';
    $focus->save('Events');
}
```

If necessary, it will be possible to foresee within the function the return of a value that can then be recalled and saved within a field of a dynamic form or a module through the "Result" variable in the dedicated section available in the "Select option" picklist.



The image shows a dropdown menu with a search bar at the top containing the text "Select field...". Below the search bar, there are two more "Select field..." entries, a "Back to options" link, and a highlighted entry: "[SDK69] SDK (BPMN-ScriptTask: Invite user to the Event)". At the bottom of the dropdown is a blue button labeled "Result".

Revision #2

Created 2025-05-27 10:49:53 UTC by Riccardo

Updated 2025-07-10 12:34:56 UTC by Tommaso