

11.3 SDK Task Condition

It is a type of function that is used to perform custom checks in process control tasks (conditional tasks).

To register them, use the method:

SDK::setProcessMakerTaskCondition(\$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::unsetProcessMakerTaskCondition(\$func);

\$func : name of the function

If you call on the “initial condition” task (task in which the process start rules are defined), it is possible to make the start of the process specific based on the returned result.

The screenshot shows a web-based configuration interface for a BPMN task named "Initial conditions". The interface includes a sidebar with a list of entity attributes (Account, Project Task usage %, Account Name, Account No, Rating, Website, Phone, Fax, Member Of, Phone (other), Employees, Email, email (other), Ownership, Industry, Type, Lock Automatic Emails, Annual Revenue, Bank Details) and a main area for defining conditions. The "When to run the check" section has radio buttons for "on create" and "on create / change". The "Current user: User Name" is selected. The "Project Task usage %" condition is configured with "has more than" and "0" rows. The "Account Name" condition is configured with "A" rows. The "Email" condition is configured with "A" rows. The "email (other)" condition is configured with "A" rows. The "Ownership" condition is configured with "A" rows. The "Industry" condition is configured with "A" rows. The "Type" condition is configured with "A" rows. The "Lock Automatic Emails" condition is configured with "A" rows. The "Annual Revenue" condition is configured with "A" rows. The "Bank Details" condition is configured with "A" rows. The "Select Option..." dropdown is visible at the bottom. The interface also includes "Save" and "Cancel" buttons in the top right corner and a "New Group" button in the bottom right corner.

If you call instead simple control tasks they allow you to make the process take different paths based on the returned result.

BPMN-Task

Entity: [542] Accounts (BPMN-Task: Initial conditions)

When to run the check

☒ on change

☐ every time the condition is true

SDK Functions

- Current user: User Name
- Project Task usage %
- Account Name
- Account No
- Rating
- Website
- Phone
- Fax
- Member Of
- Phone (other)
- Employees
- Email
- email (other)
- Ownership
- Industry
- Type
- Lock Automatic Emails
- Annual Revenue
- Bank Details

Select Option...

New Condition

Save Cancel

Task_11av0y8

Functions of this type will always be available in the form of variables that can be used to perform checks.

A concrete example of an SDK function of this type is the “get_running_process_current_user” function that allows you to check whether the name of the current user is the same or different from the user defined in the condition.

If used in the initial condition, it allows you to start the process only if the current user is the same as a specific user.

BPMN-Task: Initial conditions

Entity: Account

When to run the check

☒ on create

☐ on create / change

☐ on change

☐ every time the condition is true

☐ only the first time the process starts

☐ when executed subprocess

☐ on relation with: Products

Conditions

Current user: User Name equals admin

New Condition

Save Cancel

Task_1tzm13q

Example

I register a function to check if the company's billing address is the same as the shipping address.

```
SDK::setProcessMakerTaskCondition('vte_compare_account_bill_ship_street',
    'modules/SDK/src/ProcessMaker/Utils.php', 'Indirizzi di spedizione e fatturazione uguali
[e/n]');
```

The implemented function contains the following parameters.

\$module: module of the entity on which the condition is executed

\$id: identifier of the entity in ws format (e.g. 3x55126)

\$data: array with the values of the fields of the record

The function must return a string to be used for the interface-side comparison.

```
function vte_compare_account_bill_ship_street($module, $id, $data) {  
    []list($wsModId,$id) = explode('x',$id);[]// do it every time  
    []  
    []if ($data['bill_street'] == $data['ship_street']) {  
        []return 'e';  
    []} else {  
        []return 'n';  
    []}  
}
```

At this point I can set up a process that starts when a company is created when the billing address is different from the shipping address.

The screenshot shows the configuration interface for a BPMN task named "Condizione Iniziale". The interface includes a title bar with a close button and the task name. Below the title bar, there are tabs for "Task_Onzzzmu" and "Save" and "Cancel" buttons. The main configuration area is divided into several sections:

- Entity:** A dropdown menu set to "Account".
- When to run the check:** A group of radio buttons with the following options:
 - ☒ on create
 - ☐ on create / change
 - ☐ on change
 - ☐ every time the condition is true
 - ☐ only the first time the process starts
 - ☐ when executed subprocess
 - ☐ on relation with: Potentials
- Conditions:** A section with a "New Group" button and a "New Condition" button. It contains a single condition group with the following elements:
 - A dropdown menu set to "Equals Billing and Shipping Address [e/n]".
 - A dropdown menu set to "equals".
 - A text input field containing "n".
 - A trash icon.

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