

Integration of SuiteCRM with Camunda

Installing SuiteCRM integration package with Camunda

1. Make a zip archive of the package and install the package through the modules loader;
2. In the root folder SuiteCRM execute the command

```
composer install
```

The php package educoder/pest should be installed;

3. Specify access to the Camunda server in the SuiteCRM configuration file.

Example:

```
'camunda' => [  
    'engine_url' => 'http://localhost:8080/engine-rest',  
    'url' => 'http://localhost:8080',  
]
```

Adding a business process to the SuiteCRM module

1. Create a Camunda business process diagram and install it on the Camunda server.
2. Add key fields to the SuiteCRM module to display the approval panel and the processing history block. Below is an example of fields for a business process in the AOS_Quotes module:

```
$dictionary['AOS_Quotes']['fields']['camunda_process'] = array (  
    'name' => 'camunda_process',  
    'type' => 'CamundaProcess',  
    'source'=>'non-db',  
    'inline_edit' => false,  
    'vname'=>'LBL_BUSINESS_PROCESS',  
    'processes' => array(  
        'quoteApproval' => array(  
            'include' => 'modules/CamundaProcesses/CamundaProcess.php',  
            'class' => 'CamundaProcess',  
        ),  
    ),  
);  
  
$dictionary['AOS_Quotes']['fields']['camunda_history'] = array(  
    'name' => 'camunda_history',  
    'type' => 'CamundaProcess',  
    'source' => 'non-db',  
    'inline_edit' => false,  
    'vname' => 'LBL_BUSINESS_PROCESS',  
    'show_process_instances' => false,  
    'show_historic_processes' => true,
```

```
'processes' => $dictionary['AOS_Quotes']['fields']['camunda_process']['processes'],
);
```

The processes array contains the list of business processes connected to the module (several business processes can be connected to the module).

The array keys are business processes IDs in the bpmn schema in Camunda (<bpmn:process id="quoteApproval"...).

The values of the processes array define the business process handler classes in SuiteCRM:

- include - path to the file where the class is defined;
- class - class name.

The class CamundaProcess is specified by default (supplied in the integration package SuiteCRM with Camunda):

```
array(
    'include' => 'modules/CamundaProcesses/CamundaProcess.php',
    'class' => 'CamundaProcess',
)
```

If a non-standard procedure for processing is required, then it is necessary:

- create your own class, inheriting it from the CamundaProcess class;
- write the name of this class and the path to the file containing the definition of this class in the processes array.
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3. Add a translation of the name of the approval panel to the module. For example,

```
$mod_strings = array (
    'LBL_PANEL_BUSINESS_PROCESS' => 'Business Process',
    'LBL_BUSINESS_PROCESS' => 'Process',
);
```

4. Add an approval panel to detailviewdefs.

- Add to tabDefs array:

```
'LBL_PANEL_BUSINESS_PROCESS' => array (
    'newTab' => true,
    'panelDefault' => 'expanded',
),
```

- Add to the panels array (the name value is the name of the added key field):

```
'LBL_PANEL_BUSINESS_PROCESS' => array (
    array(
        array(
            'name' => 'camunda_process',
            'hideLabel' => true,
```

```
    ),  
  ),  
),
```

Add changes to suiteCRM manually (after that, perform the "restore" procedure), or by issuing a package and installing it using the module loader.