

# VariableDecisionHandler

The VariableDecisionHandler was previously called SmartformDecisionHandler. From [Version 4.0](#) on, the action handler has been renamed to VariableDecisionHandler. However, it is still accessible via the class com.dooris.bpm.actionhandler.SmartFormDecissionHandler.

## Description

The VariableDecisionHandler allows the user to pre-define the process path after an XOR gateway based on [process variables](#).

---

## Action Class

```
com.dooris.bpm.actionhandler.VariableDecisionHandler
```

---

## Parameters of the XOR gateway

### processVariable

Name of the process variable. The process path is selected based on the variable's value in the smartform.

### defaultTransition

The defaultTransition defines which process path is selected if the process variable is not defined.

### Action Name

The action name can be set arbitrarily.

## Parameters of the outgoing sequence flows

### Condition expression

The condition expression can be set arbitrarily, but should resemble the decision (e.g. proposal status? Condition expression 1: Approved. Condition expression 2: Declined).

## ID

The ID is the value of the process variable set in the smartform (value="ID").

## Example Customer Survey

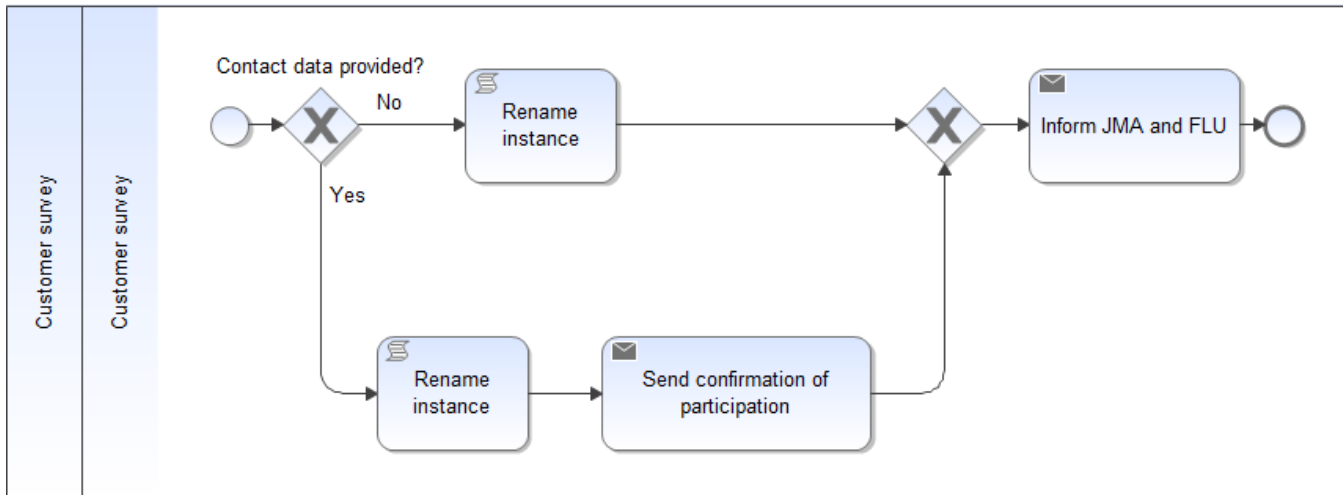
By using the customer survey example, the usage of the VariableDecisionHandler is explained step by step. The customer survey is used to gain insight on how satisfied customers are with TIM. The VariableDecisionHandler is necessary to check whether a participant provided contact information. The subsequent process flow is altered based on this decision (see screenshot).

The image displays two screenshots of a customer survey form titled "Kundenumfrage".

The first screenshot shows the "Personalisiert" (Personalized) tab selected. It contains input fields for "Ihr Vorname", "Ihre E-Mail", "Ihr Name", and "Ihre Organisation". Below these fields is a rating scale for the question "1. Wie bewerten Sie Ihre Version von TIM?". The scale has radio buttons labeled "Kompliziert", "1", "2", "3", "4", "5", "6", "7", and "Intuitiv".

The second screenshot shows the "Anonym" (Anonymous) tab selected. It displays the same rating scale for question 1. Below it is a second rating scale for the question "2. In welchem Client starten Sie Ihre Prozesse in der Regel?". This scale has radio buttons labeled "ToDo-Client", "1", "2", "3", "4", "5", "6", "7", and "Process Manager Client".

The VariableDecisionHandler is placed on an XOR gateway in the respective process modelling application. Several parameters are required in addition to the action handler class. The parameters refer to the input fields in the smartform. For XOR gateways, the relevant input fields are usually radio buttons (e.g. approve or decline a proposal).



The name of the relevant process variable is written in the field **processVariable** (name=„helper“). Subsequently, the path that should be taken based on a respective value is determined. The path with the condition expression **No** is selected if a participant does not provide contact information. In other words, the radio button with the value **noemail** is selected. If a participant provides contact information, the radio button with the value **email** is selected (see screenshot, value=“email”). Thus the process path with the condition expression **Yes** is pursued.

Symboleigenschaften - Contact data provided?

Symbol	Handler:	com.dooris.bpm.actionhandler.VariableDecisionHandler	
BPMN-Anleitung	Parameter:		
Modellierung		Name	Value
Eingaben		processVariable	helper
Ressourcen		defaultTransition	email
Aufgabe			
Ausgaben	Ausgänge:	Name	ID
Attribute		No	noemail
Letzte Simulation		Yes	email
Sonstige			
Allgemein			
Verknüpfungen			
Benutzerdefinierte Daten			
Risiken			
Messgrößen			
RACI			
Automatisierung			
Enterprise			
Beschreibt			

Buttons: OK, Abbrechen, Übernehmen, Hilfe

The following screenshot shows relevant code of the customer survey form. Note the two radio buttons, one with the name **helper** (name=“helper”) and the other with values **email / noemail**. These two input fields are crucial for the process proceedings, as described above.

```
66 <div class="col-lg-5 col-md-5">
67 <div class="form-group">
68 <label class="sr-only">Ihre E-Mail </label>
69 <input type="text" name="email" placeholder="Ihre E-Mail" class="form-control"/>
70 <input type="radio" name="helper" id="helper1" style="display:none;" value="email"/>
71 <input type="radio" name="helper" id="helper2" style="display:none;" value="noemail"/>
72 </div>
73 </div>
74 <div class="col-lg-5 col-lg-offset-2 col-md-5 col-md-offset-2">
75 <div class="form-group">
76 <label class="sr-only">Ihre Organisation</label>
77 <input type="text" name="organization" placeholder="Ihre Organisation" class="form-control" />
78 </div>
79 </div>
80 </div>
```

## Special case Domrepeater

The Domrepeater enables the creation of smartform input fields during the runtime. A prominent example is the creation of additional rows in a table. If the VariableDecisionHandler refers to an input field that can be manipulated with the Domrepeater, a new VariableDecisionHandler would have to be defined for each additionally created input field. To avoid this tedious task, the following parameters were added.

### repeat

The parameter repeat serves as a counter that contains the number of process variable occurrences generated by the Domrepeater.

### variableNameRepeating

variableNameRepeating contains the name of the relevant process variable.

Symboleigenschaften - Contact data provided?

Symbol  
BPMN-Anleitung  
Modellierung  
Eingaben  
Ressourcen  
Aufgabe  
Ausgaben  
Attribute  
Letzte Simulation  
Sonstige  
Allgemein  
Verknüpfungen  
Benutzerdefinierte Daten  
Risiken  
Messgrößen  
RACI  
Automatisierung  
Enterprise  
Beschreibt

Handler:

Parameter:

Name	Value
processVariable	helper
defaultTransition	email
repeat	repeatVarianteCounter
variableNameRepeating	helper

Ausgänge:

Name	ID
No	noemail
Yes	email

OK Abbrechen Übernehmen Hilfe

From: <https://wiki.tim-solutions.de/> - **TIM Wiki** / **NEW TIM 6 Documentation**

Permanent link: <https://wiki.tim-solutions.de/doku.php?id=en:software:tim:actionhandler:variabledecisionhandler>

Last update: **2021/07/01 09:52**

