

12.–15.09.2010
in Nürnberg



Herbstcampus

Wissenstransfer
par excellence

S23

BPMN 2.0 in der Praxis

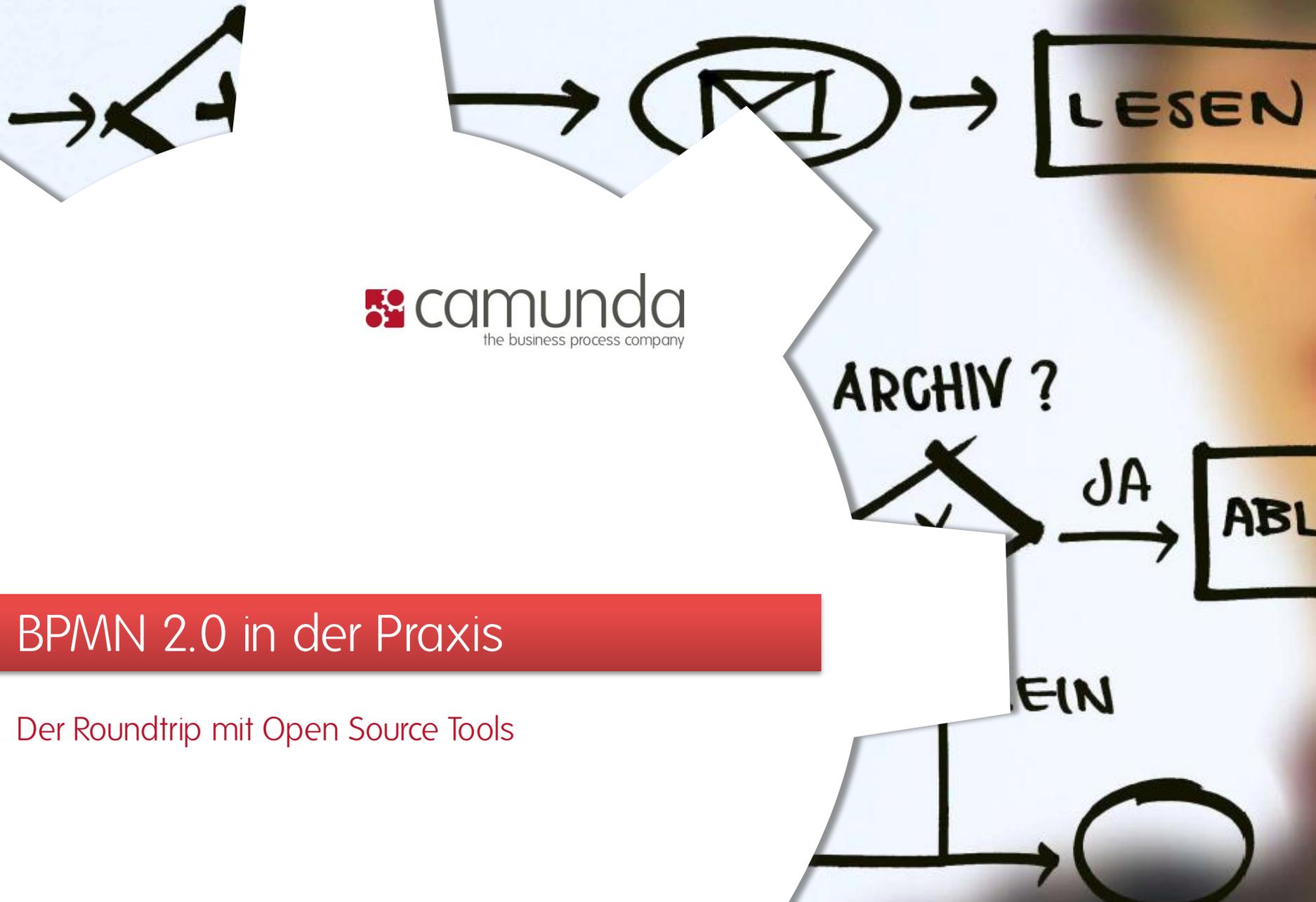
Vom fachlichen Modell zum ausführbaren Prozess

Bernd Rücker



BPMN 2.0 in der Praxis

Der Roundtrip mit Open Source Tools



Aktivitäten

- Aufgabe**: Eine Aufgabe ist eine Arbeitseinheit. Ein zusätzliches markiert eine Aktivität als zugeklappten Teilprozess.
- Transaktion**: Eine Transaktion ist eine Gruppe von Aktivitäten, die logisch zusammen gehören. Ein Transaktionsprotokoll kann angegeben werden.
- Ereignis-Teilprozess**: Ein Ereignis-Teilprozess wird in einem anderen Teilprozess platziert. Er wird durch ein Starterereignis ausgelöst und kann den umgebenden Teilprozess unterbrechen oder parallel dazu ausgeführt werden, abhängig von der Art des Starterereignisses.
- Aufruf-Aktivität**: Eine Aufruf-Aktivität repräsentiert einen global definierten Teilprozess oder eine global definierte Aufgabe, der bzw. die im aktuellen Prozess verwendet wird.

Markierungen

Sie beschreiben das Ausführungsverhalten von Aktivitäten:

- Teilprozess
- Schleife
- Parallele Mehrfachausführung
- Sequentielle Mehrfachausführung
- Ad Hoc
- Kompensation

Aufgaben-Typen

Sie beschreiben den Charakter einer Aufgabe:

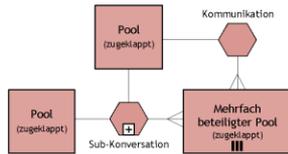
- Senden
- Empfangen
- Benutzer
- Manuell
- Geschäftsregel
- Service
- Skript

- Sequenzfluss**: definiert die Abfolge der Ausführung.
- Standardfluss**: wird durchlaufen wenn alle anderen Bedingungen nicht zutreffen.
- Bedingter Fluss**: enthält eine Bedingung, die definiert, wann er durchlaufen wird, und wann nicht.

Konversationen

- Eine Kommunikation definiert einen mehrfachen, logisch zusammengehörigen Nachrichtenaustausch.
- Ein Konversationslink verknüpft Kommunikationen und Teilnehmer.
- Ein aufgefächertes Konversationslink verknüpft eine Kommunikation mit mehreren Teilnehmern.

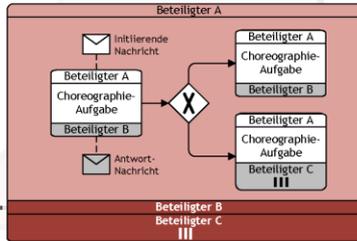
Konversationsdiagramm



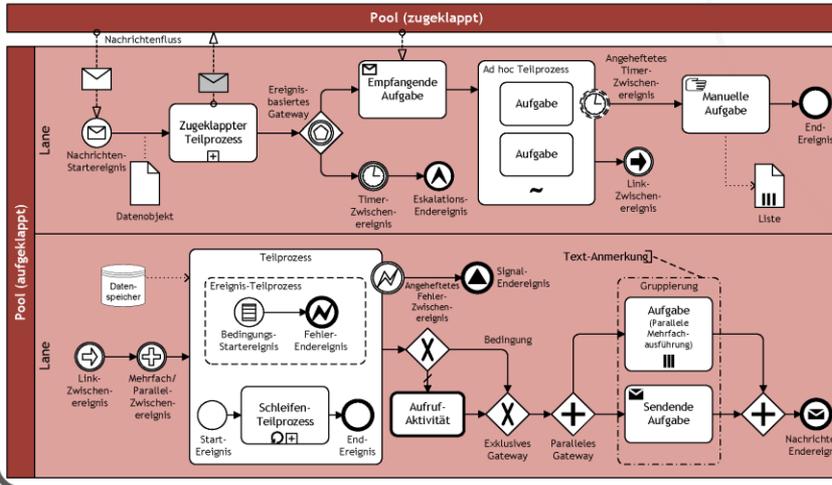
Choreographien

- Beteiligter A**
Choreographie-Aufgabe
Beteiligter B
 - Beteiligter A**
Choreographie-Teilprozess
Beteiligter B
Beteiligter C
- Eine **Choreographie-Aufgabe** repräsentiert eine Interaktion (Nachrichtenaustausch) zwischen zwei Beteiligten.
- Eine **Mehrfach-Beteiligter Markierung** beschreibt eine Reihe von Beteiligten derselben Sorte.
- Ein **Choreographie-Teilprozess** enthält eine verfeinerte Choreographie mit mehreren Interaktionen.

Choreographie-Diagramm



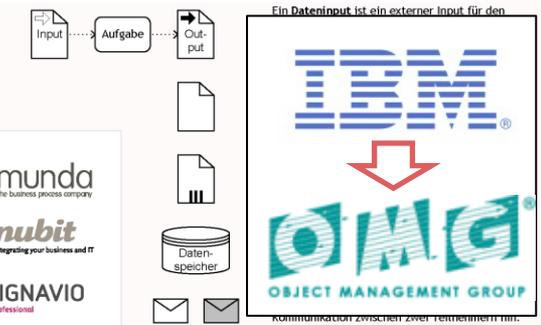
Kollaborationsdiagramm



Ereignisse

	Start	Zwischen	Ende
Blanko: Untypisierte Ereignisse, i. d. R. am Start oder Ende eines Prozesses.			
Nachricht: Empfang und Versand von Nachrichten.			
Timer: Periodische zeitliche Ereignisse, Zeitpunkte oder Zeitspannen.			
Eskalation: Meldung an den nächsthöheren Verantwortlichen.			
Bedingung: Reaktion auf veränderte Bedingungen und Bezug auf Geschäftsregeln.			
Link: Zwei zusammengehörige Link-Ereignisse repräsentieren einen Sequenzfluss.			
Fehler: Auslösen und behandeln von definierten Fehlern.			
Abbruch: Reaktion auf abgebrochene Transaktionen oder Auslösen von Abbrüchen.			
Kompensation: Behandeln oder Auslösen einer Kompensation.			
Signal: Signal über mehrere Prozesse. Auf ein Signal kann mehrfach reagiert werden.			
Mehrfach: Eintreten eines von mehreren Ereignissen. Auslösen aller Ereignisse.			
Mehrfach/Parallel: Eintreten aller Ereignisse.			
Terminierung: Löst die sofortige Beendigung des Prozesses aus.			

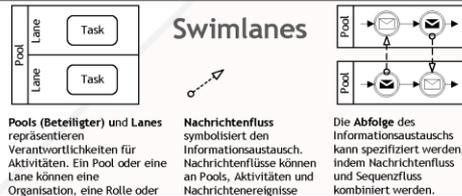
Daten



Gateways

- Exklusives Gateway**: Bei einer Verzweigung wird der Fluss abhängig von Verzweigungsbedingungen zu genau einer ausgehenden Kante geleitet. Bei einer Zusammenführung wird auf eine der eingehenden Kanten gewartet, um den ausgehenden Fluss zu aktivieren.
- Ereignis-basiertes Gateway**: Diesem Gateway folgen stets eintretende Ereignisse oder Empfänger-Aufgaben. Der Sequenzfluss wird zu dem Ereignis geleitet, das zuerst eintrifft.
- Paralleles Gateway**: Wenn der Sequenzfluss verzweigt wird, werden alle ausgehenden Kanten simultan aktiviert. Bei der Zusammenführung wird auf alle eingehenden Kanten gewartet, bevor der ausgehende Sequenzfluss aktiviert wird (Synchronisation).
- Inklusives Gateway**: Es werden je nach Bedingung eine oder mehrere ausgehende Kanten aktiviert bzw. eingehende Kanten synchronisiert.
- Komplexes Gateway**: Verzweigungs- und Vereinigungsverhalten das nicht von anderen Gateways erfasst wird.
- Exklusives Ereignis-basiertes Gateway (Instanziierung)**: Sobald eines der nachfolgenden Ereignisse eintrifft, wird der Prozess gestartet.
- Paralleles Ereignis-basiertes Gateway (Instanziierung)**: Erst wenn alle nachfolgenden Ereignisse eintriften, wird der Prozess gestartet.

Swimlanes



BPMN 2.0 Status



Trisotech



Global 360

INTALIO



camunda
the business process company

ORACLE

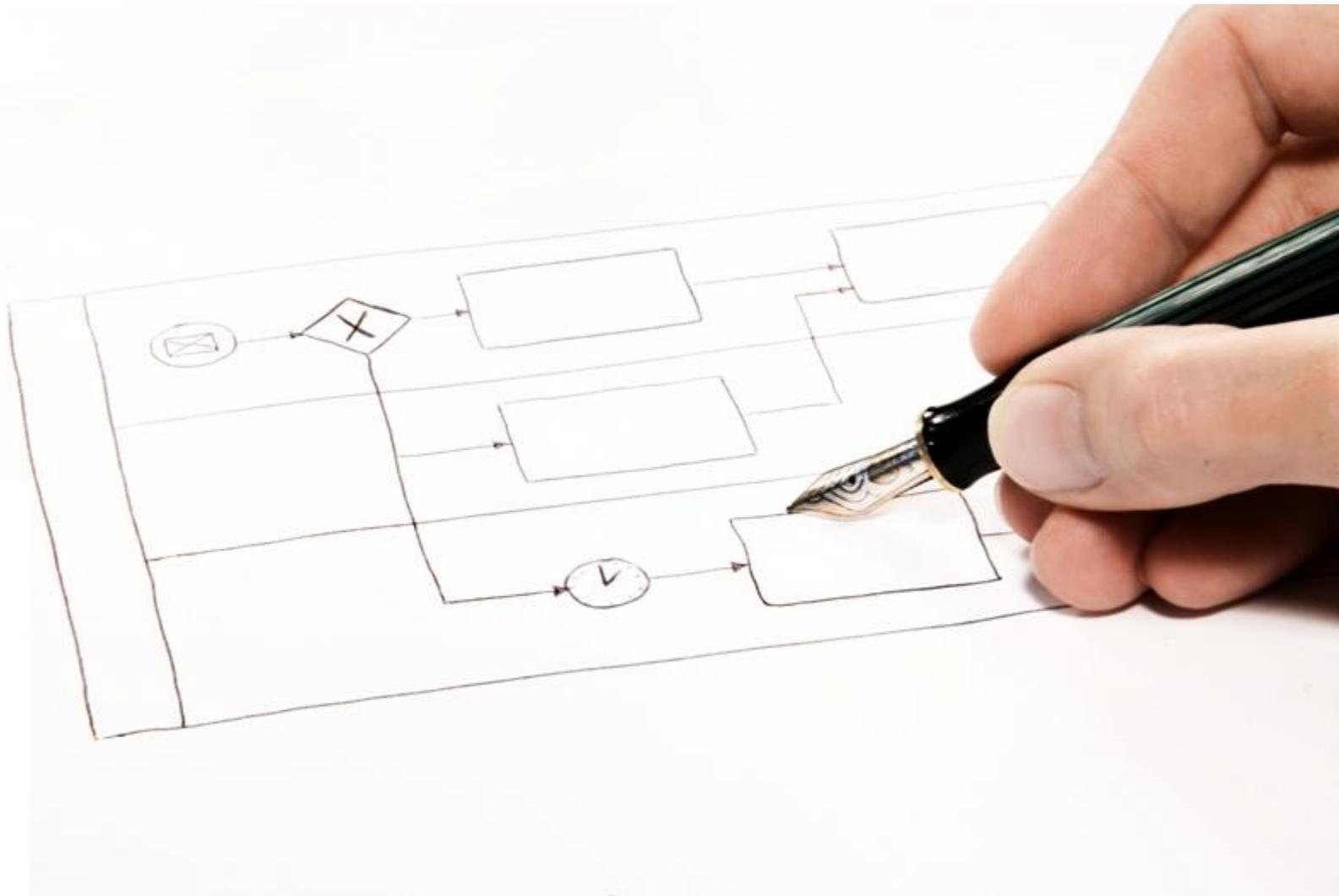
NLS

FUJITSU

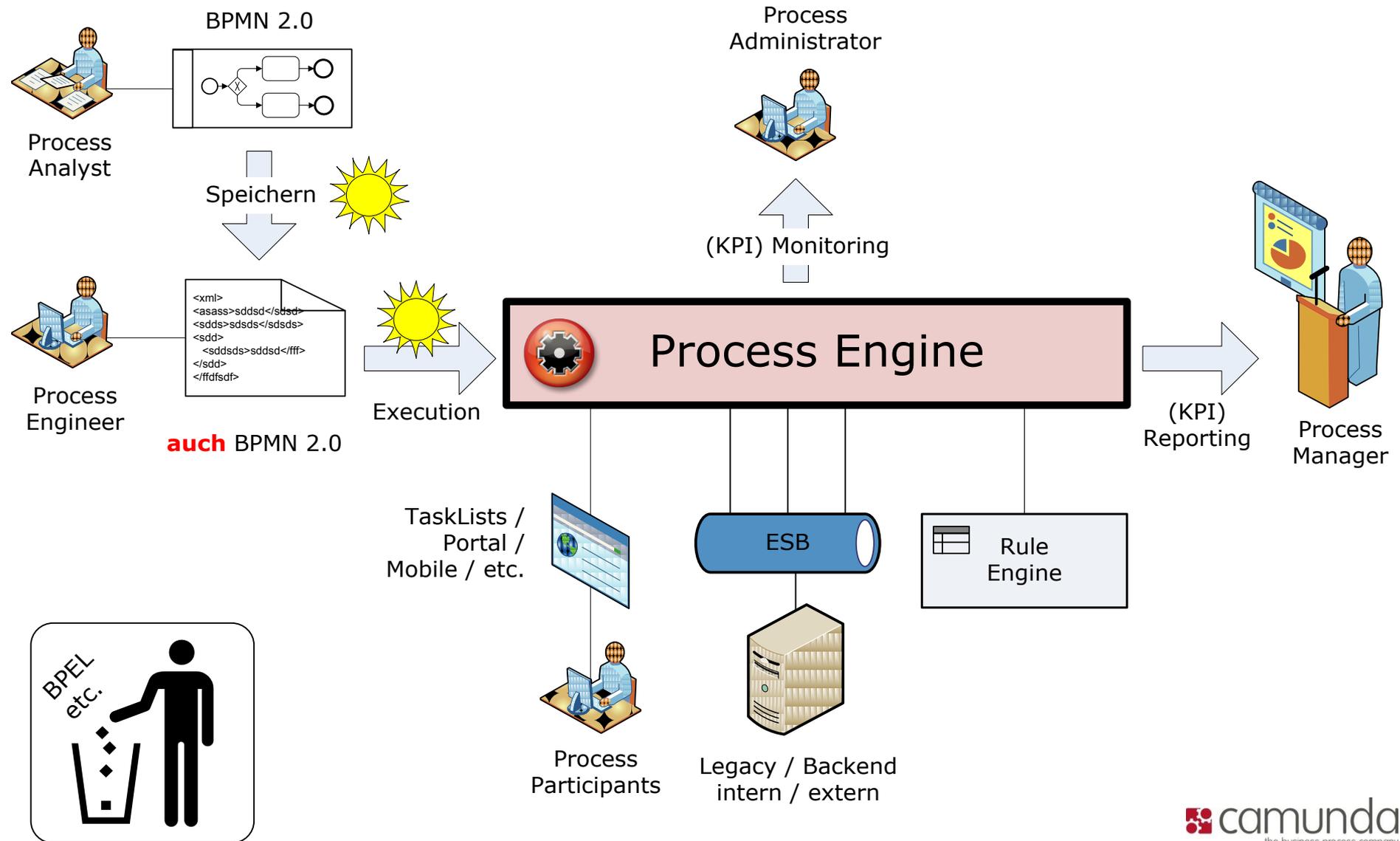
TIBCO
The Power of Now™



Warum wollen alle BPMN 2.0?

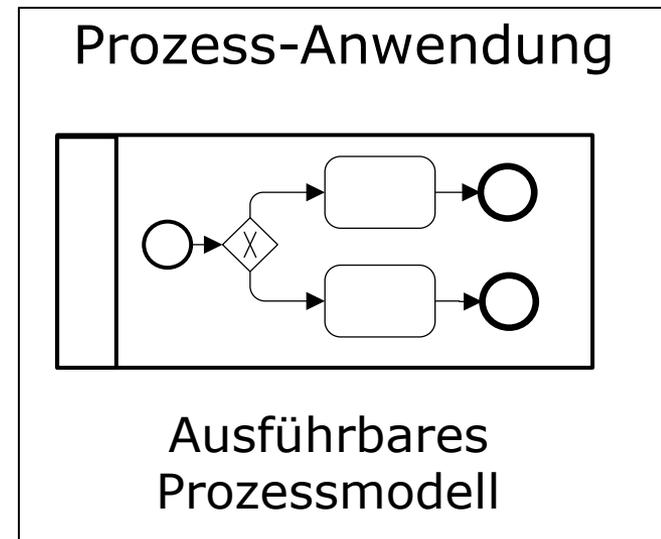


BPM-Wunsch-Architektur mit BPMN 2.0



Was macht eine „Prozess-Anwendung“ aus?

„BPM Suite“



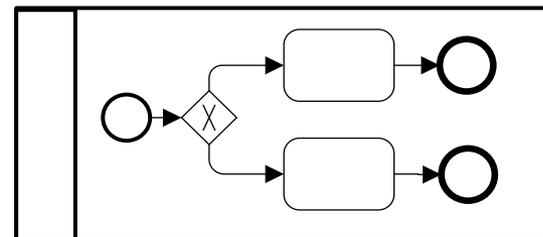
Oder doch viel mehr?

BPM Suite?

**Zero
Code?**

Prozess-Anwendung

- Benutzeroberflächen
- Schnittstellen
- Geschäftslogik
- Datenhaltung
- Business Rules
- Nicht funktionale Anforderungen
- ...



Ausführbares
Prozessmodell

Und die Teams?

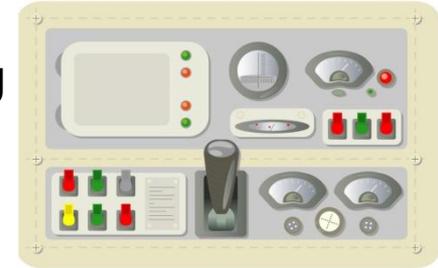


Passt also die Magic BPM Suite?



Modelling

Monitoring



Business

IT



Magic BPM-Suite



Human Workflow

EAI / SOA



Warum trotzdem BPMN 2.0?



Transparency

Business

Process
Forward
Engineering

Process
Reverse
Engineering

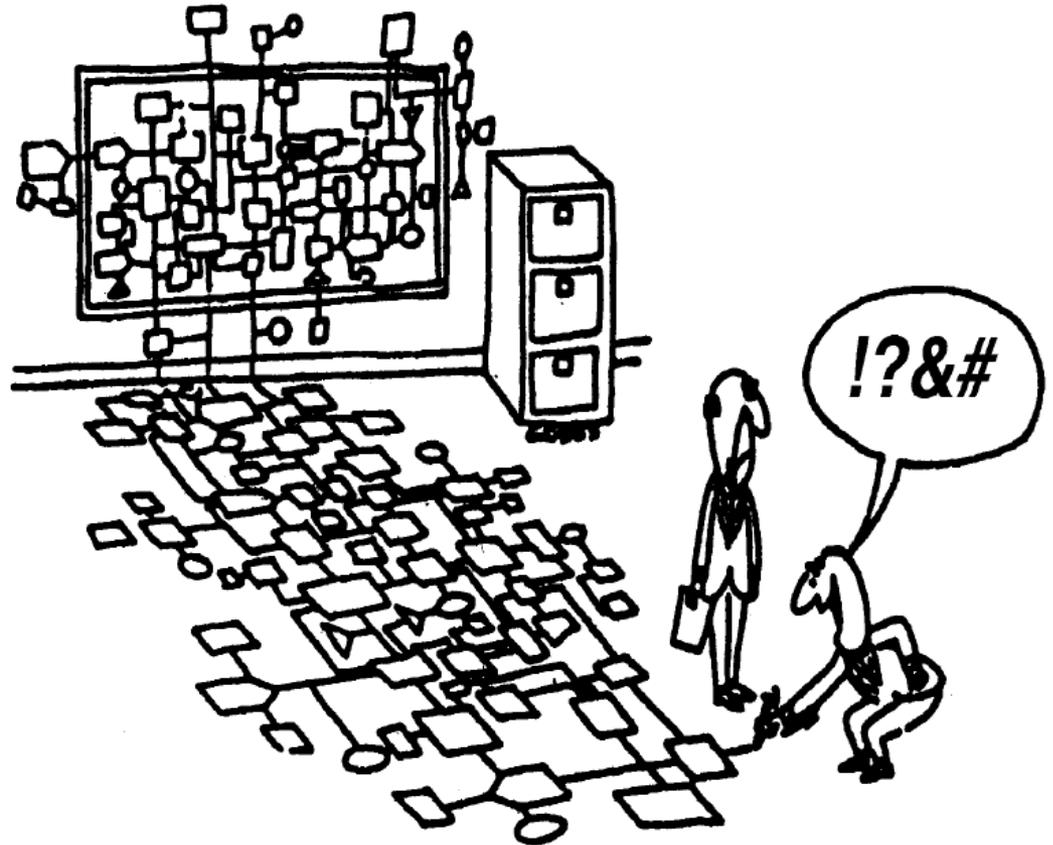
Process
Centric
Development

Process
Monitoring /
Reporting

IT



Ein Modell für alle?



Prozessmodelle: Verschiedene Zwecke und Zielgruppen!



Process **Owner**

Vorstand, Bereichsleiter



Process **Manager**

Abteilungs-, Teamleiter



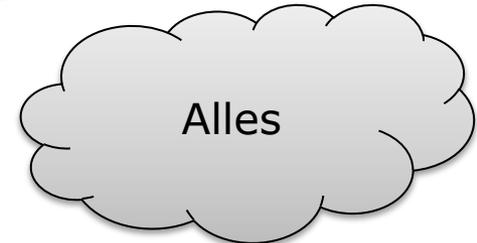
Process **Participant**

Sachbearbeiter



Process **Analyst**

(Inhouse) Consultant



Process **Engineer**

Softwareentwickler



Die einzige Lösung: Ein Prozess – Viele Modelle

Owner



Manager



Participant



Analyst



Engineer



Prozessmodell

Prozessmodell

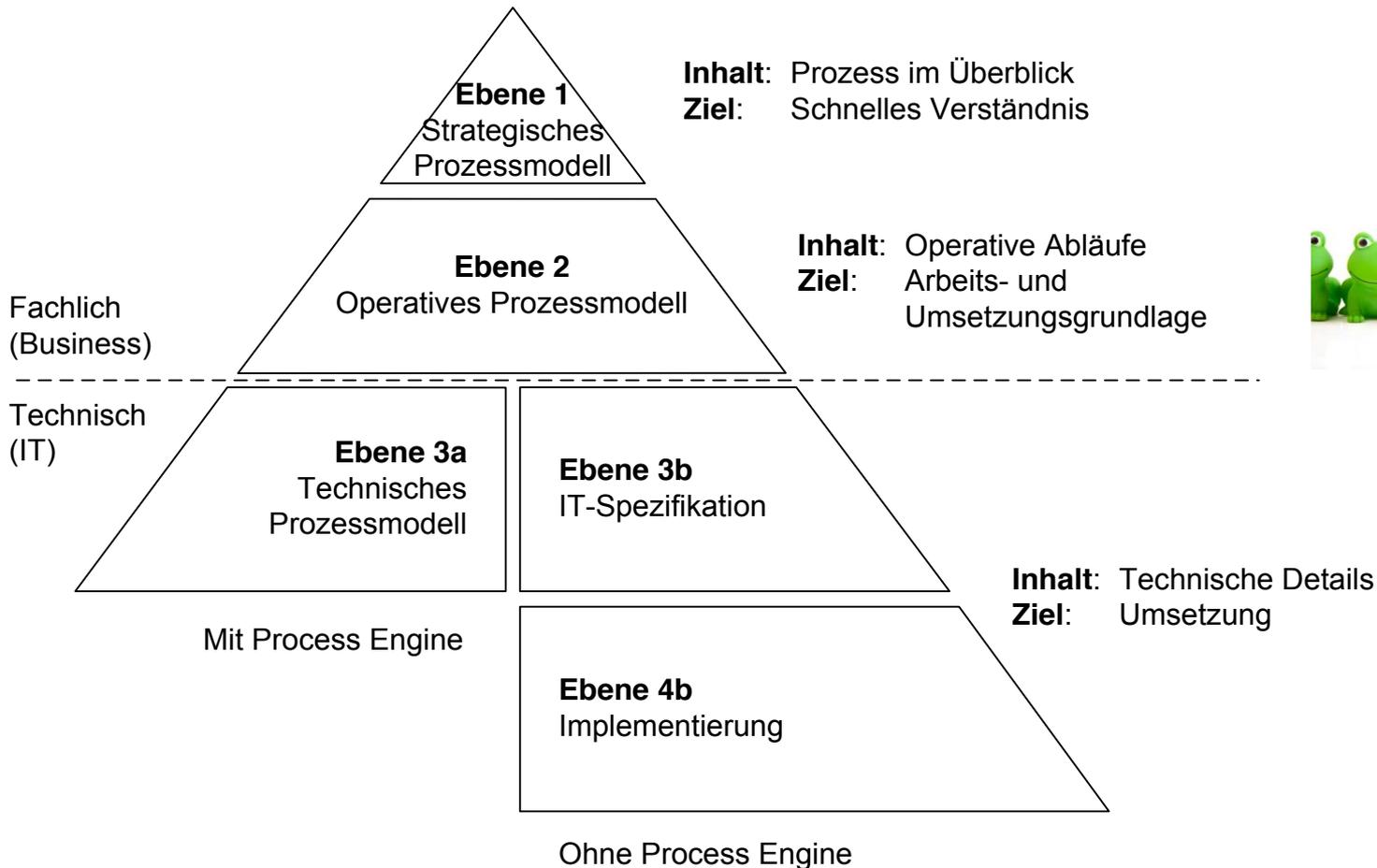
Prozessmodell

Prozessmodell

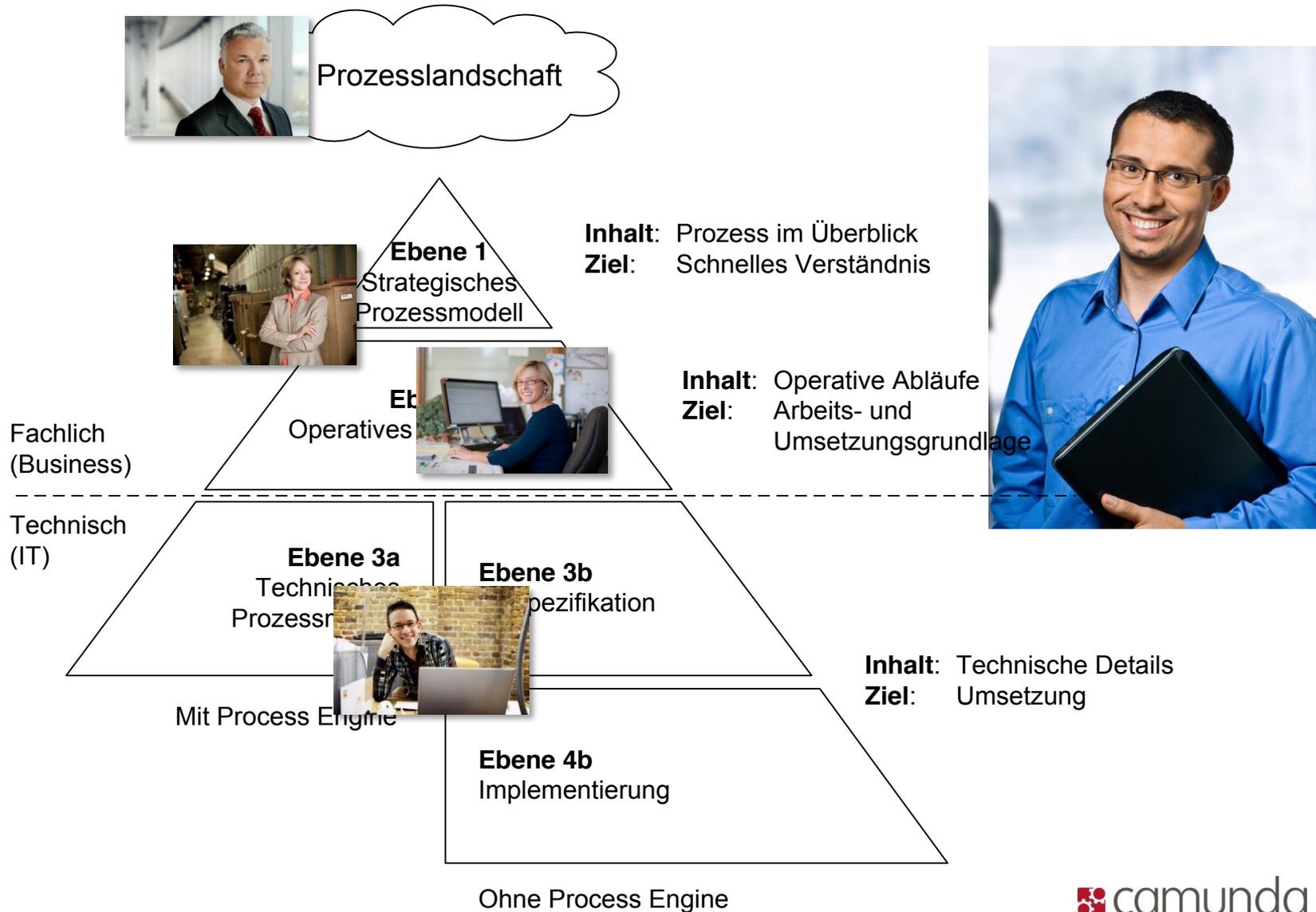
Prozessmodell

Prozess-Realität

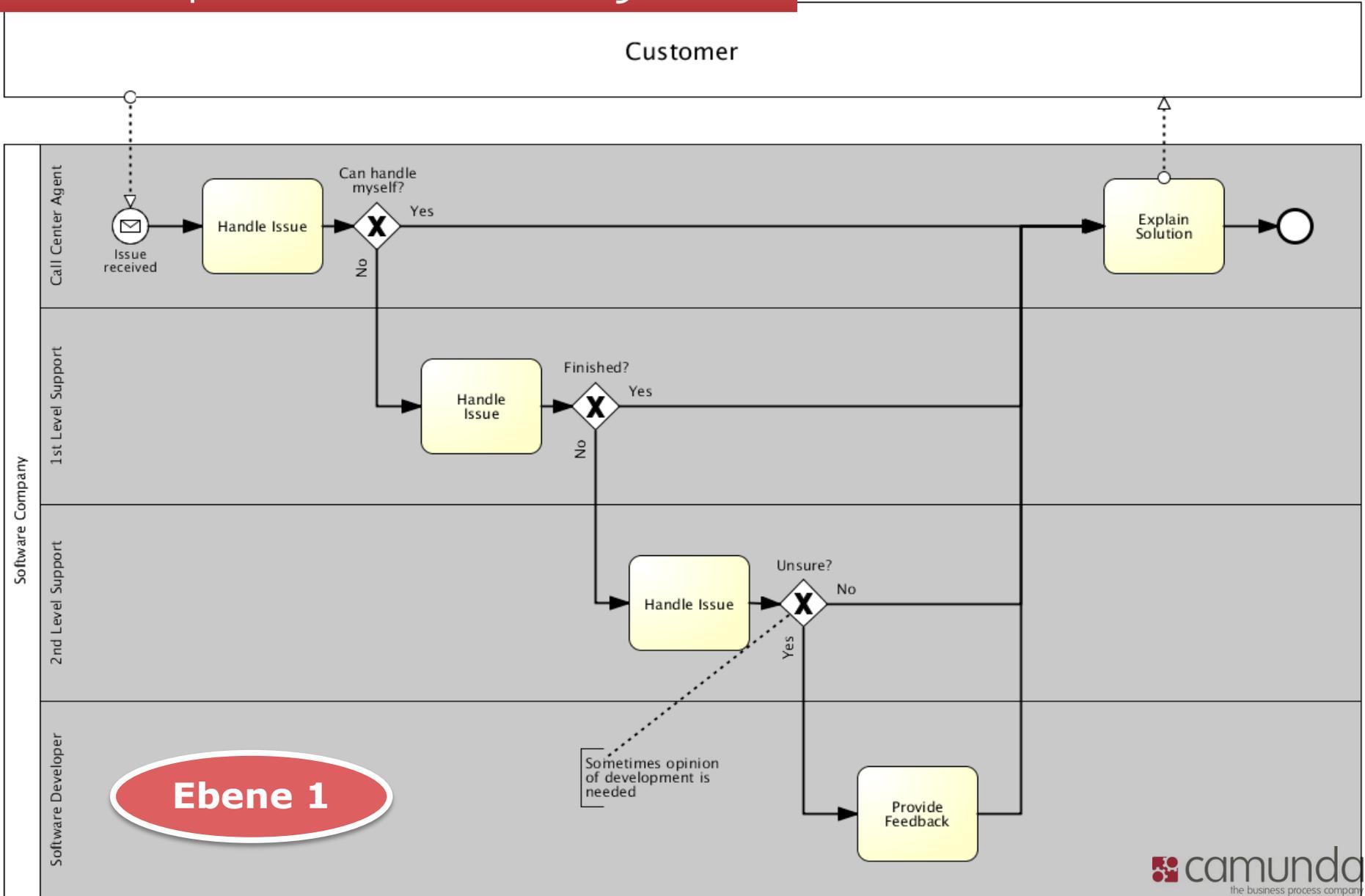
camunda BPMN-Framework



camunda BPMN-Framework



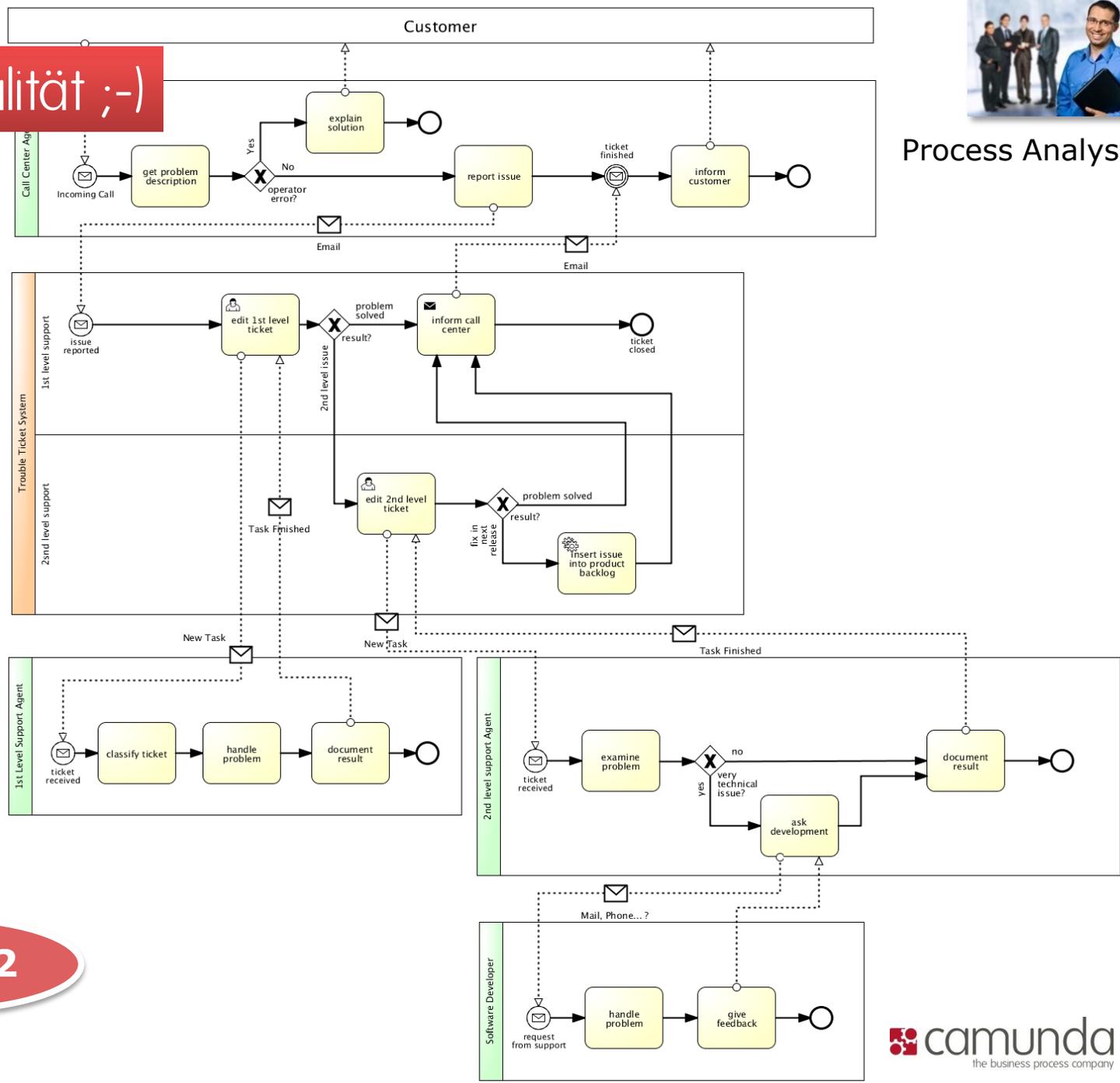
Ein Beispiel: Incident Management



Dann die Realität ;-)



Process Analyst



Ebene 2

Der Schlüssel sind verschiedene Sichten

Process Participant



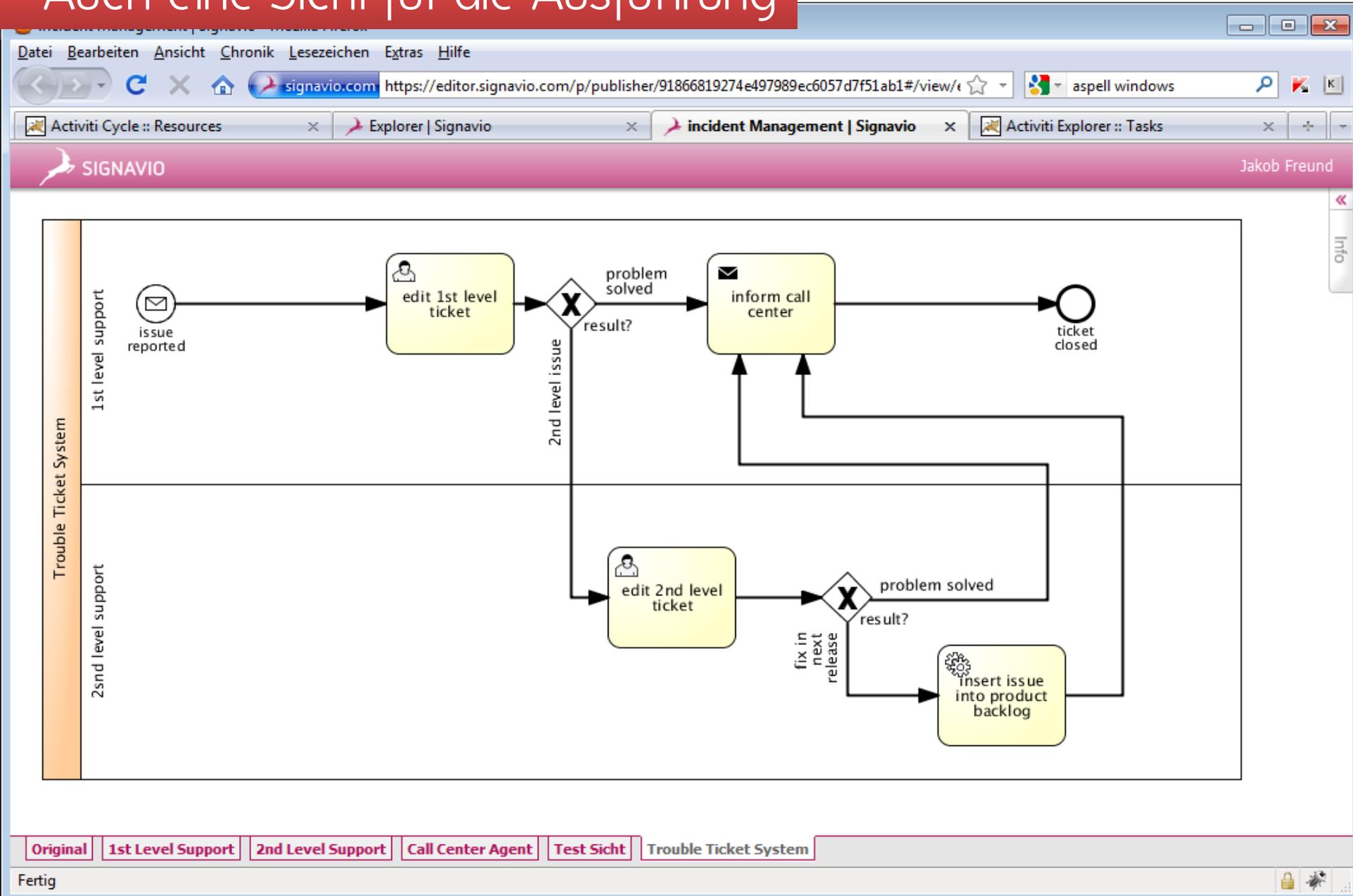
Browser window showing the Signavio editor interface. The browser address bar displays <https://editor.signavio.com/p/publisher/91866819274e497989ec6057d7f51ab1#/view/76690a160fcc4a1b9ab9531000e2f874>. The browser tabs include "Activiti Cycle :: Resources", "Explorer | Signavio", "incident Management | Signavio", and "Activiti Explorer :: Tasks".

The main content area displays a process diagram titled "Trouble Ticket System". The diagram shows a flow starting with "ticket received" (represented by an envelope icon), followed by three yellow rounded rectangular tasks: "classify ticket", "handle problem", and "document result". The flow ends with a circle icon. A vertical green bar on the left side of the diagram is labeled "1st Level Support Agent". Dotted lines connect the "ticket received" icon to the "Trouble Ticket System" box, and the "document result" task to the "Trouble Ticket System" box. A zoom control is visible on the left side of the diagram area.

At the bottom of the interface, there is a navigation bar with several tabs: "Original", "1st Level Support", "2nd Level Support", "Call Center Agent", "Test Sicht", and "Trouble Ticket System". A red arrow points to the "1st Level Support" tab. Below the navigation bar, the URL <https://editor.signavio.com/p/model/91866819274e497989ec6057d7f51ab1#/view/76690a160fcc4a1b9ab9531000e2f874> is displayed.

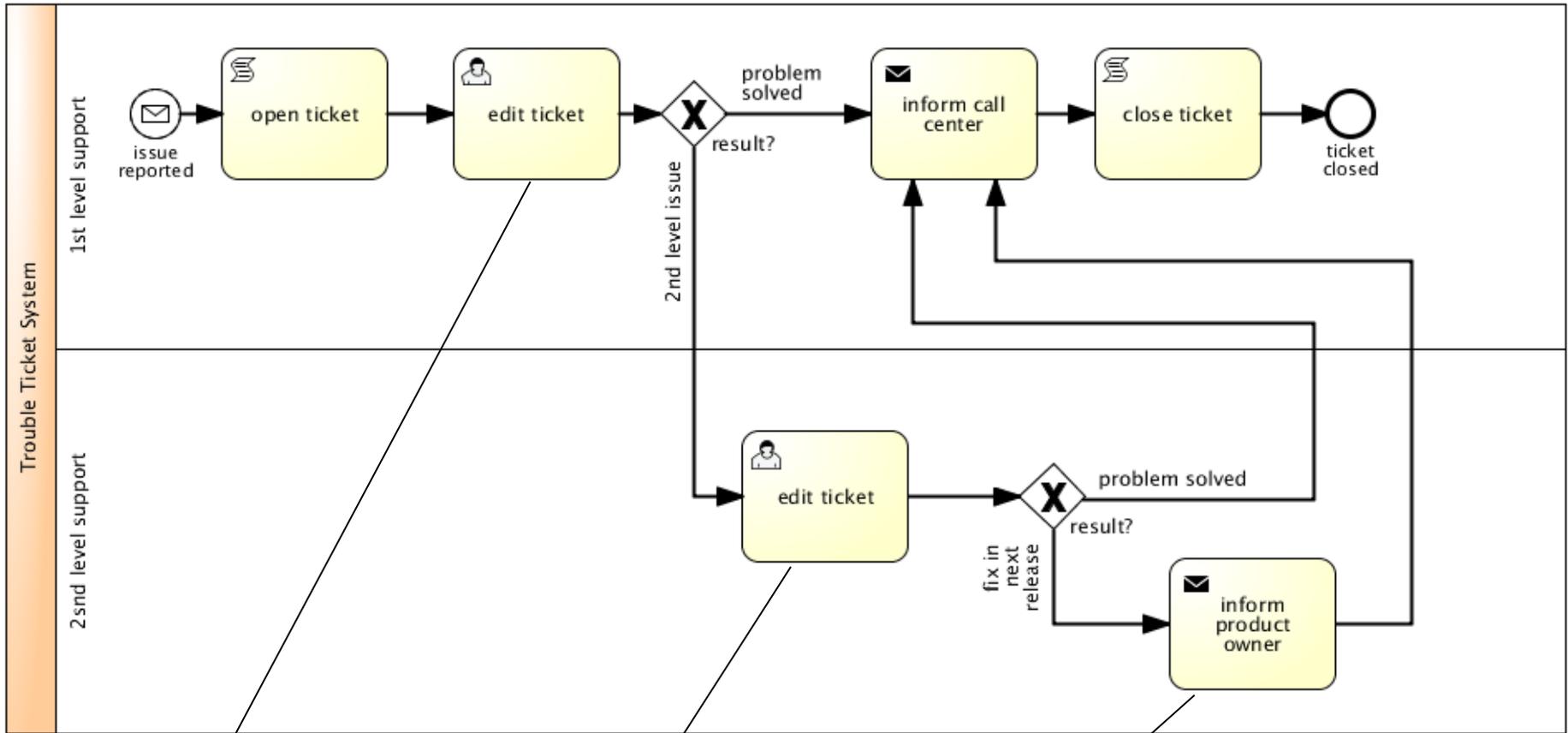
A red oval with the text "Ebene 2" is positioned in the lower right area of the diagram.

Auch eine Sicht für die Ausführung



Prozess im Mittelpunkt für Anforderungsmanagement

Beispiel: User Stories



User Story 1

User Story 2

User Story 3

Tooling: BPMN mit User Story verlinken

The screenshot displays the Signavio BPMN editor interface. The main workspace shows a BPMN diagram with several swimlanes: 'Customer', '1st level support', '2nd level support', '1st level support agent', '2nd level support agent', and 'Software Developer'. The 'edit ticket' task in the '2nd level support' swimlane is highlighted with a red circle. A red arrow originates from this task and points to the 'User Story' attribute in the 'Eigenschaften (Task)' panel on the right. The 'User Story' field contains the URL <https://app.camunda.com/jira/browse/ABPM-3>, which is also circled in red. Other attributes in the panel include 'Name' (edit ticket), 'Tasktyp' (Benutzer), and 'Schleifentyp' (Keine Schleife).

User Story Link

<https://app.camunda.com/jira/browse/ABPM-3>

User Story in JIRA

User Story

GUI

Priorität

Akzeptanzkriterien

Issue Details

Key: ABPM-3

Type: New Feature

Status: Open

Priority: Major

Assignee: Robert Gimbel

Reporter: Robert Gimbel

Watchers: 0

Available Workflow Actions

- Start Progress
- Resolve Issue
- Close Issue

Operations

- Go to Planning Board
- Assign this issue
- Attach file to this issue
- Attach screenshot to this issue
- Clone this issue
- Comment on this issue
- Create sub-task
- Delete this issue
- Edit this issue
- Link this issue to another issue
- Move this issue
- Convert to sub-task
- Watching

You are not watching this issue. [Watch it](#) to be notified of changes

[Log work](#) on this issue

File Attachments: None

Image Attachments:

- 1. [life cycle trouble ticket in process 1st.jpg](#) (51 kB)
- 2. [task.jpg](#) (30 kB)
- 3. [tasklist.jpg](#) (20 kB)

Issue Links: Related

This issue is related to:

- ABPM-7 Epic: Incident Management

Rank: 5

Description

Acceptance criteria:

- 1st Level Support Agent receives task in task list (common task list handling)
- title of task is "new trouble ticket: "ticket title"
- task contains direct link to ticket
- ticket can be classified by 1st level support (categories: mis-use, workaround, settings, technical problem)
- 1st Level Support Agent can enter information about solution in the ticket (text)
- 1st Level Support Agent can submit ticket (with an indication if problem is solved or not)

Product Backlog

The screenshot shows a Camunda JIRA Planning Board for 'agileBPM'. The board is titled 'PLANNING BOARD - agileBPM' and is in the 'UNSCHEDULED' state. It displays a list of items with their IDs, descriptions, and status. A red arrow on the left points upwards, labeled 'Priorität'. A red arrow on the right points downwards, labeled 'Iterationen'.

ID	Description	Status	Priority
ABPM-7	Epic: Incident Management	Unscheduled	Unknown
ABPM-8	Evaluate technologie	Unscheduled	Unknown
ABPM-1	As Call Center Agent I report an issue, to delegate the problem to the 1st Level Support	Unscheduled	Unknown
ABPM-6	Set up infrastructure	Unscheduled	Unknown
ABPM-3	As 1st Level Support Agent I edit a ticket, to solve the customer's problem for the Call Center Agent	Unscheduled	Unknown
ABPM-5	As Call Center Agent I receive information when a ticket is finished	Unscheduled	Unknown
ABPM-4	As 2nd Level Support Agent I edit a ticket, to solve the customer's problem for the Call Center Agent	Unscheduled	Unknown
ABPM-2	As product owner I get informed about open fixes for the next release, so that I can prioritize	Unscheduled	Unknown

Iteration 2

Master: None
Start date: ???
End date: None
T. issues: 0
To Do: 0
In Progress: 0
Done: 0
T. estimate: 0m
T. spent: 0m
T. Remaining: 0h

Iteration 1

Master: None
Start date: ???
End date: None
T. issues: 0
To Do: 0
In Progress: 0
Done: 0
T. estimate: 0m
T. spent: 0m
T. Remaining: 0h

Priorität

Iterationen

Wow, schön. Und jetzt?



- Die Java Engine
- Open Source (Apache 2.0)
- POJO + iBatis
- „Library“ / „Framework“
- Flexibel und Erweiterbar
- BPMN 2.0
- Release 5.0 November 2010

Companies involved



Want to become a contributor too?

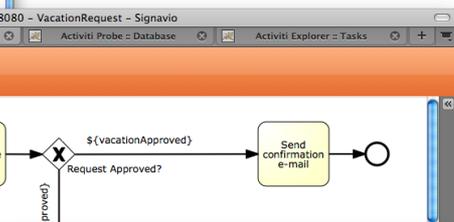
[See the FAQ: How can I become a contributor?](#)

Activiti Components



ACT_GE_BYTEARRAY

ID	REV	NAME	DEPLOYMENT_ID	BYTES
11	1	org/activiti/examples/taskforms/vacationRequest.bpmn20.xml	10	3113
12	1	org/activiti/examples/	10	0
13	1	org/activiti/		
14	1	org/activiti/		
15	1	org/activiti/		
16	1	org/activiti/		
17	1	org/activiti/		
18	1	org/activiti/		
19	1	org/activiti/		
20	1	org/activiti/		



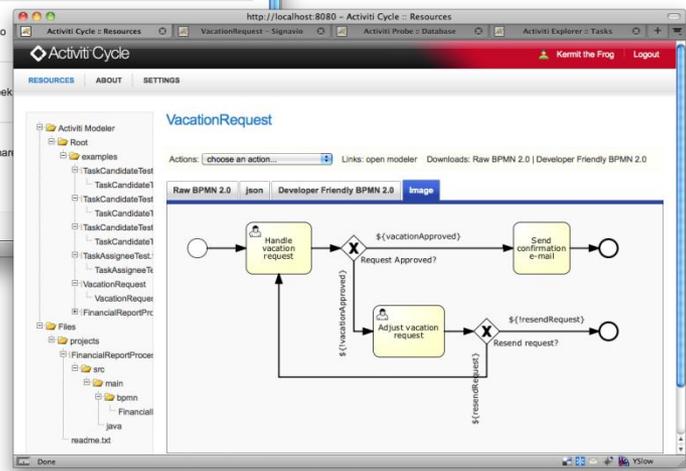
My tasks (3)

- Unassigned tasks (1)
 - in Accountancy (1)
 - in Sales (0)
 - in Engineering (0)
 - in Management (1)

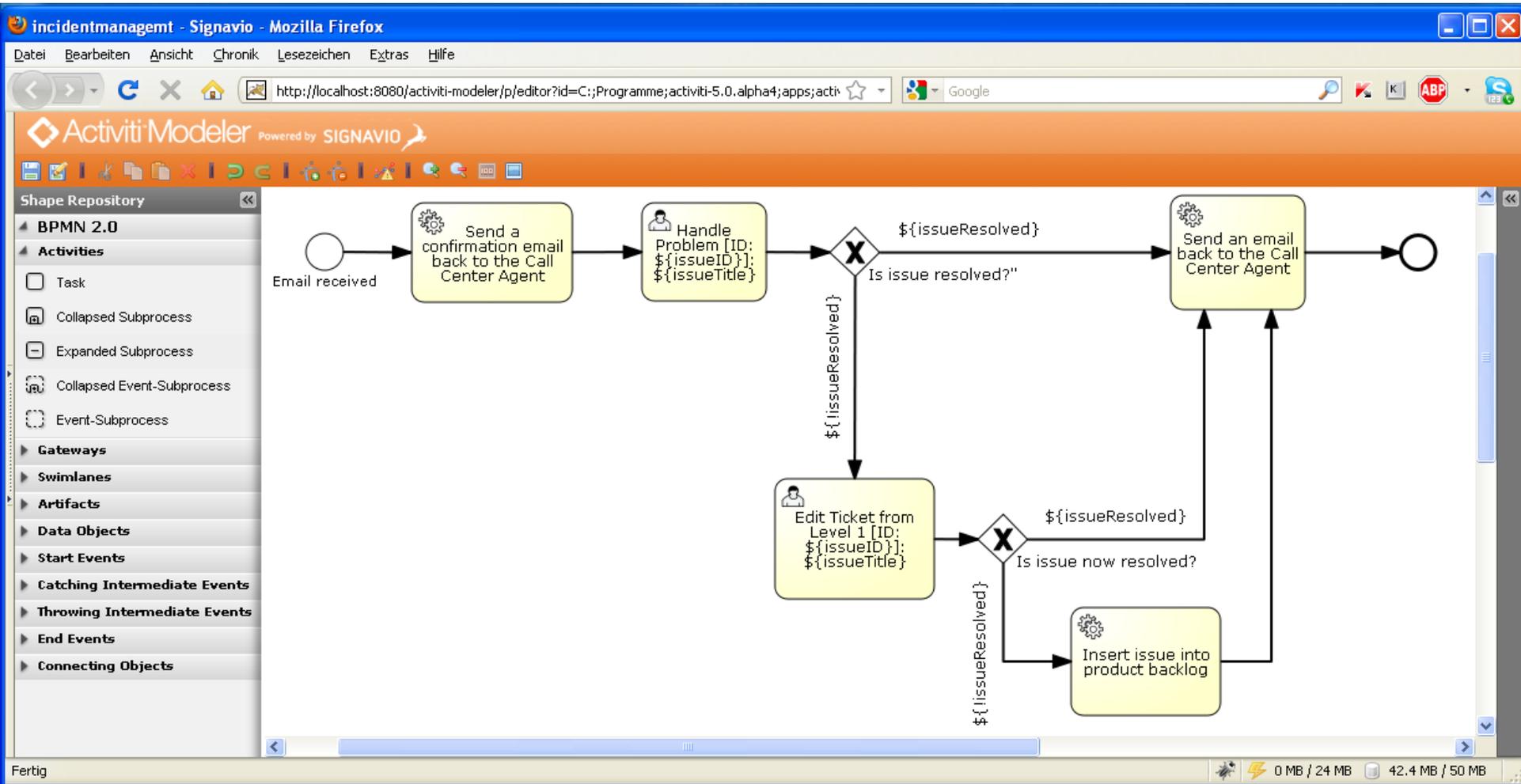
121 | Write monthly financial report
Write monthly financial report for publication to shareholders.

113 | Schedule meeting
Schedule an engineering meeting for next week new hire.

117 | Write financial report
Write the bi-monthly financial report for the shareholders newsletter.



Das wirklich ausführbare Modell in Activiti



BPMN 2.0 Entwicklung in Eclipse

agement.bpmn20.xml - Eclipse Platform

Team Synchron... Java Debug
Java EE

Incident Management [samples/act

- src/main/java
 - com.camunda.incidentman
 - main
 - IncidentManagement
 - IncidentManagement
 - serviceadapter
 - ToConfirmEmailCallC
 - ToInformCallCenterA
 - ToInformProductOw
 - ToSetTheIssueClassifi
 - util
 - src/main/resources
 - com.camunda.incidentman
 - forms
 - incidentmanagement.bp
 - activiti.properties
 - incident.management.prope
 - mail.server.properties 13 26.
 - src/test/java
 - src/test/resources
 - test_activiti.properties
 - test.mail.server.properties 17
 - JRE System Library [JavaSE-1.6]
 - Referenced Libraries
 - JUnit 4
 - build
 - dist
 - lib

```
10
11 <process id="incidentManagement" name="Incident Management">
12   <startEvent name="Email received" id="emailReceived"/>
13   <sequenceFlow sourceRef="emailReceived" targetRef="sendConfirmationEmail" />
14   <serviceTask id="sendConfirmationEmail" name="Send a confirmation email back
15     activiti:class="com.camunda.incidentmanagement.serviceadapter.ToConfirmE
16   <sequenceFlow sourceRef="sendConfirmationEmail" targetRef="editTicketLevel1"
17   <userTask name="Handle Problem [ID: ${issueID}]: ${issueTitle}"
18     id="editTicketLevel1"
19     activiti:form="com/camunda/incidentmanagement/forms/level_1_support.form"
20     <documentation>
21       Classify and solve or delegate to 2nd level support
22     </documentation>
23     <humanPerformer>
24       <resourceAssignmentExpression>
25         <formalExpression>kermit</formalExpression>
26       </resourceAssignmentExpression>
27     </humanPerformer>
28   </userTask>
29
30   <sequenceFlow sourceRef="editTicketLevel1" targetRef="setIssueClassification"
31
32   <serviceTask id="setIssueClassification" name="Set the issue classification"
```

Design Source

Problems @ Javadoc Declaration Console Search History Servers Progress

IncidentManagementMailPoller [Java Application] C:\Program Files\java\jre6\bin\javaw.exe (13.09.2010 11:48:40)

9 mails are in the specified INBOX
0 Mails were found targeting Activiti Showcase.

Demo



Eingehendes Ticket

Activiti Explorer :: Tasks - Mozilla Firefox

http://localhost:8080/activiti-explorer/start#event=%257B%

Activiti Explorer

TASKS ABOUT PROCESSES

My tasks (1)

- Unassigned tasks (0)
- in Accountancy (0)
- in Sales (0)
- in Engineering (0)
- in Management (0)

My tasks

215 | Handle Problem [ID: 210]: The Activiti Shocase is too easy - did I forget something

Classify and solve or delegate to 2nd level support

Complete

© 2010 Activiti.org. All rights reserved.

The Activiti Shocase is too easy - did I forget something - Nachricht (HTML)

Nachricht Einfügen Optionen Text formatieren Adobe PDF

Calibri 11

adactivitishowcase@camunda.com

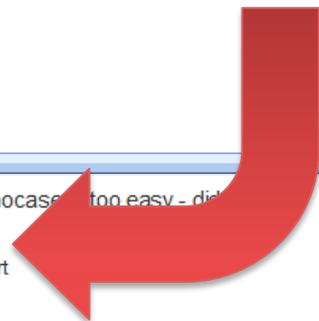
Senden

Konto

Betreff: The Activiti Shocase is too easy - did I forget something

Is it really just the simple Ant setup?

Cheers
Bernd



Issue [ID: 210] reported: The Activiti Shocase is too easy - did I forget something - Nachricht

Antworten Weiterleiten Löschen In Ordner verschieben - Regel erstellen - Junk-E-Mail - Kategorisieren - Suchen Als OneNote senden

Von: activitishowcase@mx.camunda.com
An: Bernd Rüdiger
Cc:
Gesendet: Mo 13.09.2010 11:51

Betreff: Issue [ID: 210] reported: The Activiti Shocase is too easy - did I forget something

Hi Callcenter - Agent,
thank you for reporting this issue.
You will be informed about the solution.
Your Support Team



Task beenden und Ticket schließen

The image shows a screenshot of the Activiti Explorer web application. The main window displays a task titled "Handle Problem [ID: 210]: The Activiti Shocase is too easy - did I forget something". The task description is "Classify and solve or delegate to 2nd level support". The problem description is "Is it really just the simple Ant setup? CheersBernd". The classification is "Misuse". The comments section contains the text "No, it is okay. It is that simple". At the bottom of the task view, there is a section "Issue solved?" with radio buttons for "Yes" (selected) and "No".

A red arrow points from the "Issue solved?" section to an email window. The email window is titled "Issue [ID: 210] resolved: The Activiti Shocase is too easy - did I forget something - Nach...". The email content is as follows:

Von: activitishowcase@mx.camunda.com
An: Bernd Rucker
Cc:
Betreff: Issue [ID: 210] resolved: The Activiti Shocase is too easy - did I forget something
Gesendet: Mo 13.09.2010 11:55

Hi Callcenter - Agent,

Issue [ID: 210]: The Activiti Shocase is too easy - did I forget something

Description of the issue:
Is it really just the simple Ant setup? CheersBernd

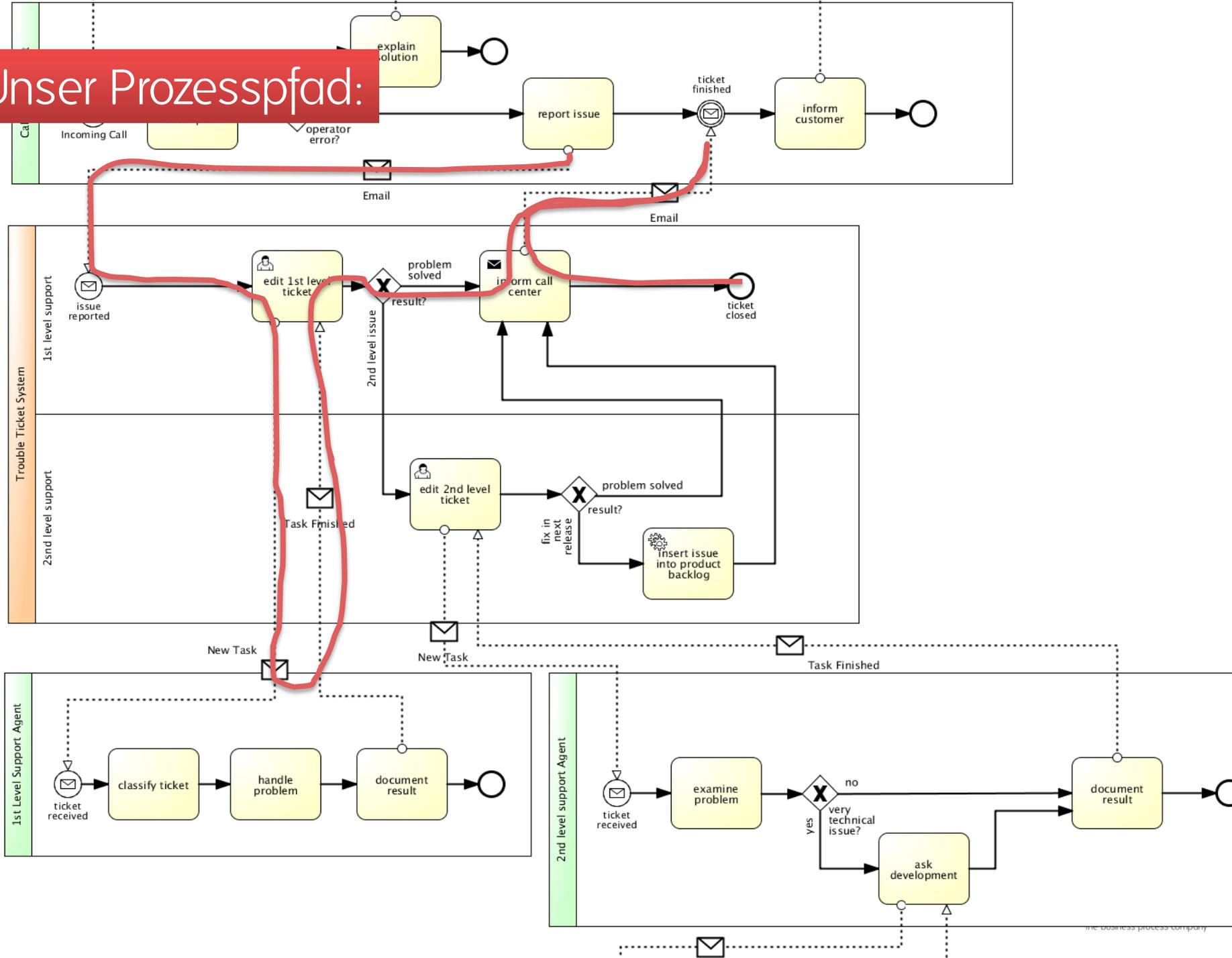
The Issue was classified as: Misuse

Comments added by the 1st level support:
No, it is okay. It is that simple

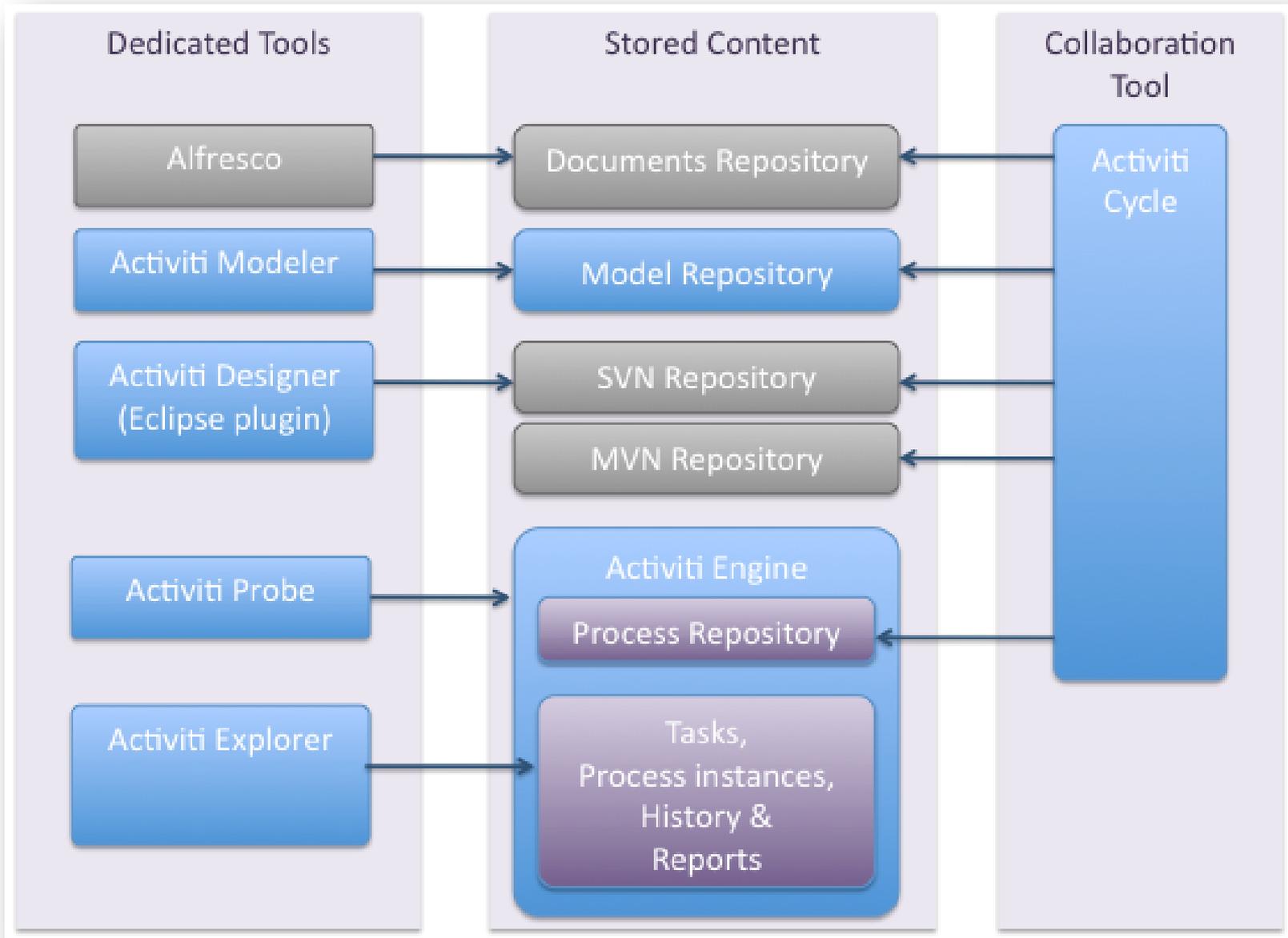
The issue could be resolved.

Greetings,
Your Support Team

Unser Prozesspfad:



Scope von Activiti: Da ist noch mehr drin!



Activiti Cycle

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

http://localhost:8080/activiti-cycle/start

aspell windows

Activiti Cycle :: Resources

Explorer | Signavio

incident Management | Signavio

Activiti Explorer :: Tasks

Activiti Cycle

Kermit the Frog Logout

RESOURCES ABOUT SETTINGS

incidentmanagement

Actions: choose an action... Links: Open modeler action

Downloads: Developer Friendly BPMN 2.0 | Raw BPMN 2.0 | JSON

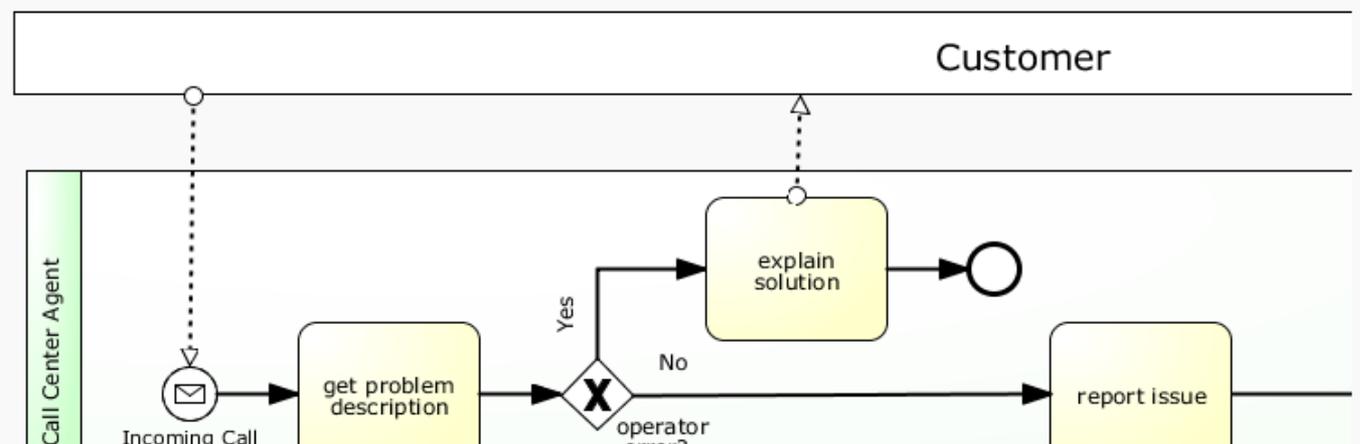
Image

Developer Friendly BPMN 2.0

Raw BPMN 2.0

JSON

jPDL3



Suchen: processType

Abwärts Aufwärts Hervorheben Groß-/Kleinschreibung

Fertig

Demo



Process Engine Pool ausschneiden leicht gemacht

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

http://localhost:8080/activiti-cycle/start

aspell windows

Activiti Cycle :: Resources

Explorer | Signavio

incident Management | Signavio

Activiti Explorer :: Tasks

- Signavio camunda
- Signavio Training
- Signavio 1&1
- Eclipse Workspace
- Activiti Project
- oryx-project.org

Image

Developer Friendly BPMN 2.0

Raw BPMN 2.0

JSON

jPDL3

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<definitions id="oryx_6cc12109-3e7d-48db-bf9a-101e1fd150cc" typeLanguage="http://www.w3.org/2001/XMLSchema" expressionLang
<process isClosed="false" processType="executable" id="oryx_55da974b-47ab-4378-bda9-601817fb676b">
  <laneSet name="Process Engine" id="Process Engine">
    <lane name="1st level support" id="1st level support_1">
      <flowElementRef>edit 1st level ticket 2</flowElementRef>
      <flowElementRef>result? 5</flowElementRef>
      <flowElementRef>issue reported 2</flowElementRef>
      <flowElementRef>inform call center 2</flowElementRef>
      <flowElementRef>ticket closed 2</flowElementRef>
    </lane>
    <lane name="2snd level support" id="2snd level support_1">
      <flowElementRef>edit 2nd level ticket 2</flowElementRef>
      <flowElementRef>result? 4</flowElementRef>
      <flowElementRef>inform product owner 2</flowElementRef>
    </lane>
  </laneSet>
  <userTask implementation="webService" completionQuantity="1" startQuantity="1" isForCompensation="false" name="edi
  <exclusiveGateway gatewayDirection="Diverging" name="result?" id="result? 5"/>
  <startEvent isInterrupting="true" name="issue reported" id="issue reported 2">
    <messageEventDefinition/>
  </startEvent>
  <sendTask implementation="webService" completionQuantity="1" startQuantity="1" isForCompensation="false" name="inf
  <endEvent name="ticket closed" id="ticket closed 2"/>
  <userTask implementation="webService" completionQuantity="1" startQuantity="1" isForCompensation="false" name="edi
  <exclusiveGateway gatewayDirection="Diverging" name="result?" id="result? 4"/>
  <sendTask implementation="webService" completionQuantity="1" startQuantity="1" isForCompensation="false" name="inf
  <sequenceFlow targetRef="edit 2nd level ticket 2" sourceRef="result? 5" name="" id="SequenceFlow_5">
    <conditionExpression xsi:type="tFormalExpression" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">2nd le
  </sequenceFlow>
  <sequenceFlow targetRef="inform call center 2" sourceRef="result? 5" name="" id="SequenceFlow_6">
    <conditionExpression xsi:type="tFormalExpression" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">proble
  </sequenceFlow>
  <sequenceFlow targetRef="result? 5" sourceRef="edit 1st level ticket 2" name="" id="SequenceFlow_1"/>
  <sequenceFlow targetRef="result? 4" sourceRef="edit 2nd level ticket 2" name="" id="SequenceFlow_4"/>
  <sequenceFlow targetRef="inform product owner 2" sourceRef="result? 4" name="" id="SequenceFlow_2">
    <conditionExpression xsi:type="tFormalExpression" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">fix in
  </sequenceFlow>
  <sequenceFlow targetRef="inform call center 2" sourceRef="inform product owner 2" name="" id="SequenceFlow"/>
  <sequenceFlow targetRef="inform call center 2" sourceRef="result? 4" name="" id="SequenceFlow_3">
    <conditionExpression xsi:type="tFormalExpression" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">proble
  </sequenceFlow>
  <sequenceFlow targetRef="edit 1st level ticket 2" sourceRef="issue reported 2" name="" id="SequenceFlow_7"/>
  </process>
</definitions>
```

Suchen: processType

Abwärts Aufwärts Hervorheben Groß-/Kleinschreibung

Fertig

Cycle in Action

Activiti Cycle

RESOURCES ABOUT SETTINGS

incidentmanagement

Actions: choose an action... Links: Open model

Download: choose an action... N 2.0 | Raw BPMN 2.

Create technical model

Validate for Activiti

Create technical model

Image M2.0 Raw BPMN

Copy artifact

Target folder:
/Eclipse Workspace/proje

Name of process file (same as model if skipped):

Comment:
Automatic creation of BPMN for development

Ok Cancel



Demo

Activiti Modeler

Root

examples

incidentmanagement

Signavio camunda

Signavio Training

Signavio 1&1

Eclipse Workspace

projects

FinancialReportProces

IncidentManagement

incidentmanagemen

readme.txt

Activiti Project

oryx-project.org

incidentmanagement.bpmn20.xml

Downloads: XML

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<definitions xmlns="http://schema.omg.org/spec/BPMN/2.0" xmlns:bpmndi="http://bpmndi.org" expressionLanguage="http://www.w
<process id="oryx_9336007f-7b82-475a-be8a-d953747b8600" isClosed="false" processType="executable">
  <laneSet id="Process Engine" name="Process Engine">
    <lane id="1st level support_1" name="1st level support">
      <flowElementRef>edit 1st level ticket_2</flowElementRef>
      <flowElementRef>result?_5</flowElementRef>
      <flowElementRef>issue reported_2</flowElementRef>
      <flowElementRef>inform call center_2</flowElementRef>
      <flowElementRef>ticket closed_2</flowElementRef>
    </lane>
    <lane id="2nd level support_1" name="2nd level support">
      <flowElementRef>edit 2nd level ticket_2</flowElementRef>
      <flowElementRef>result?_4</flowElementRef>
      <flowElementRef>inform product owner_2</flowElementRef>
    </lane>
  </laneSet>
  <userTask completionQuantity="1" id="edit 1st level ticket_2" implementation="webService" isForCompensation="false"
  <exclusiveGateway gatewayDirection="Diverging" id="result?_5" name="result?">
  <startEvent id="issue reported_2" isInterrupting="true" name="issue reported">
    <messageEventDefinition/>
  </startEvent>
  <sendTask completionQuantity="1" id="inform call center_2" implementation="webService" isForCompensation="false" n
  <endEvent id="ticket closed_2" name="ticket closed"/>
  <userTask completionQuantity="1" id="edit 2nd level ticket_2" implementation="webService" isForCompensation="false
```

Process Participant



Process Engineer



Process Analyst



Der Betrieb



Philosophie:

Verschiedene Rollen = verschiedene Arbeitsumgebungen

Process Participant



Bla bla
bla bla bla
Bla bla bla
...

Process Engineer



Bla bla
bla bla bla
Bla bla bla
...

Process Analyst



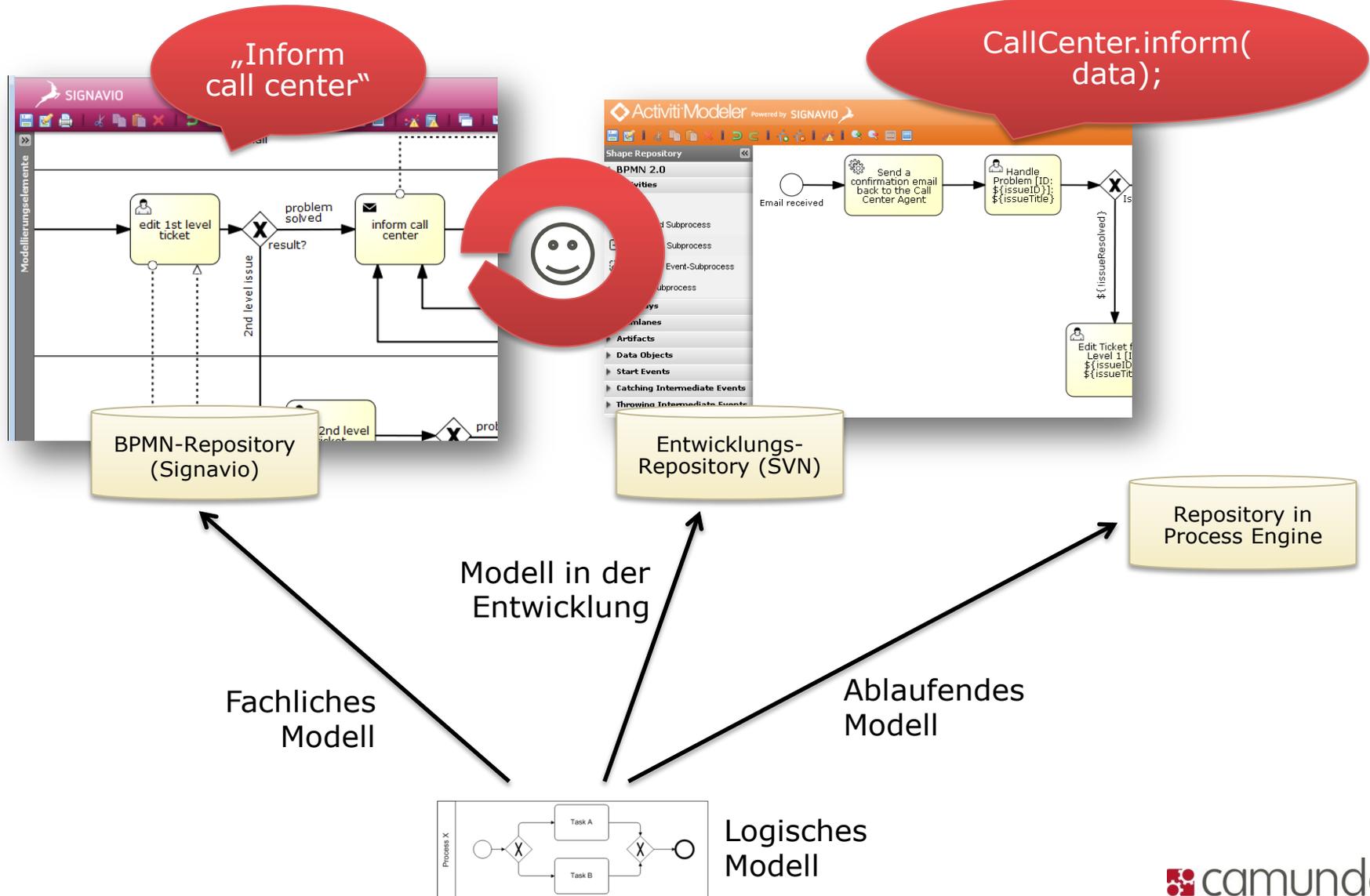
Bla bla
bla bla bla
Bla bla bla
...

Der Betrieb

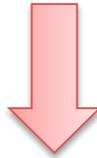
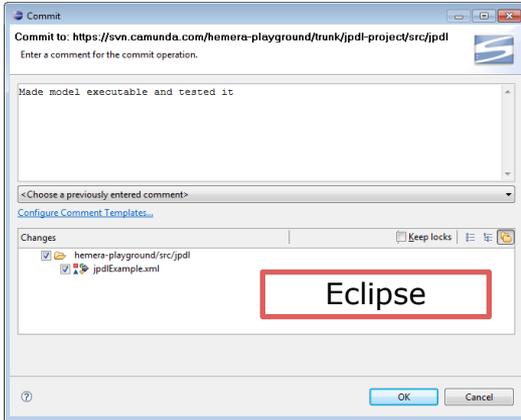


Activiti Cycle: Kollaboratives BPM!

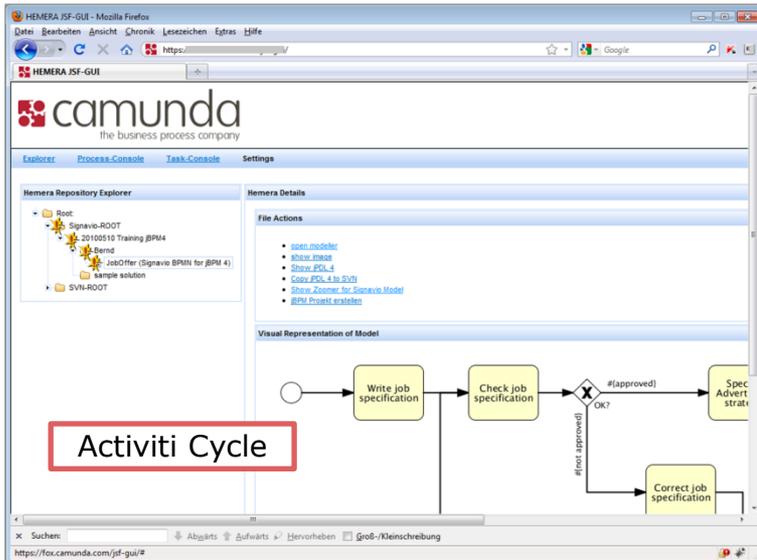
Ja, es existieren verschiedene Modellversionen – Na und?



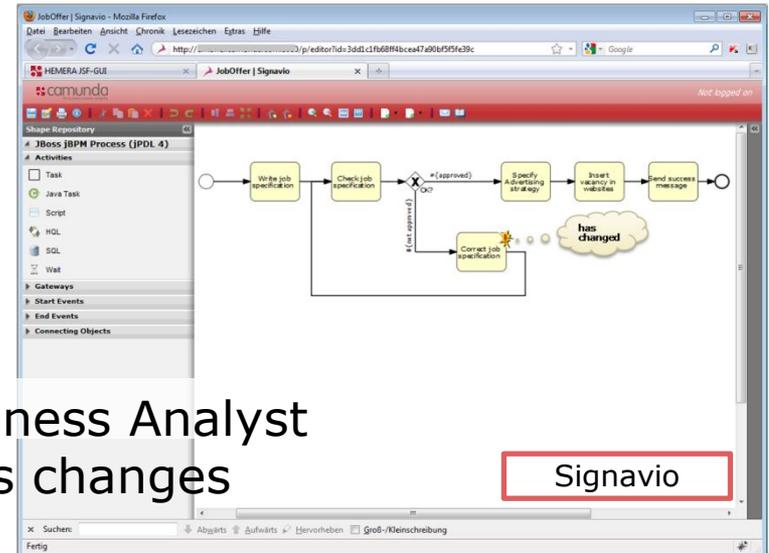
Eine Fake Folie muss sein 😊



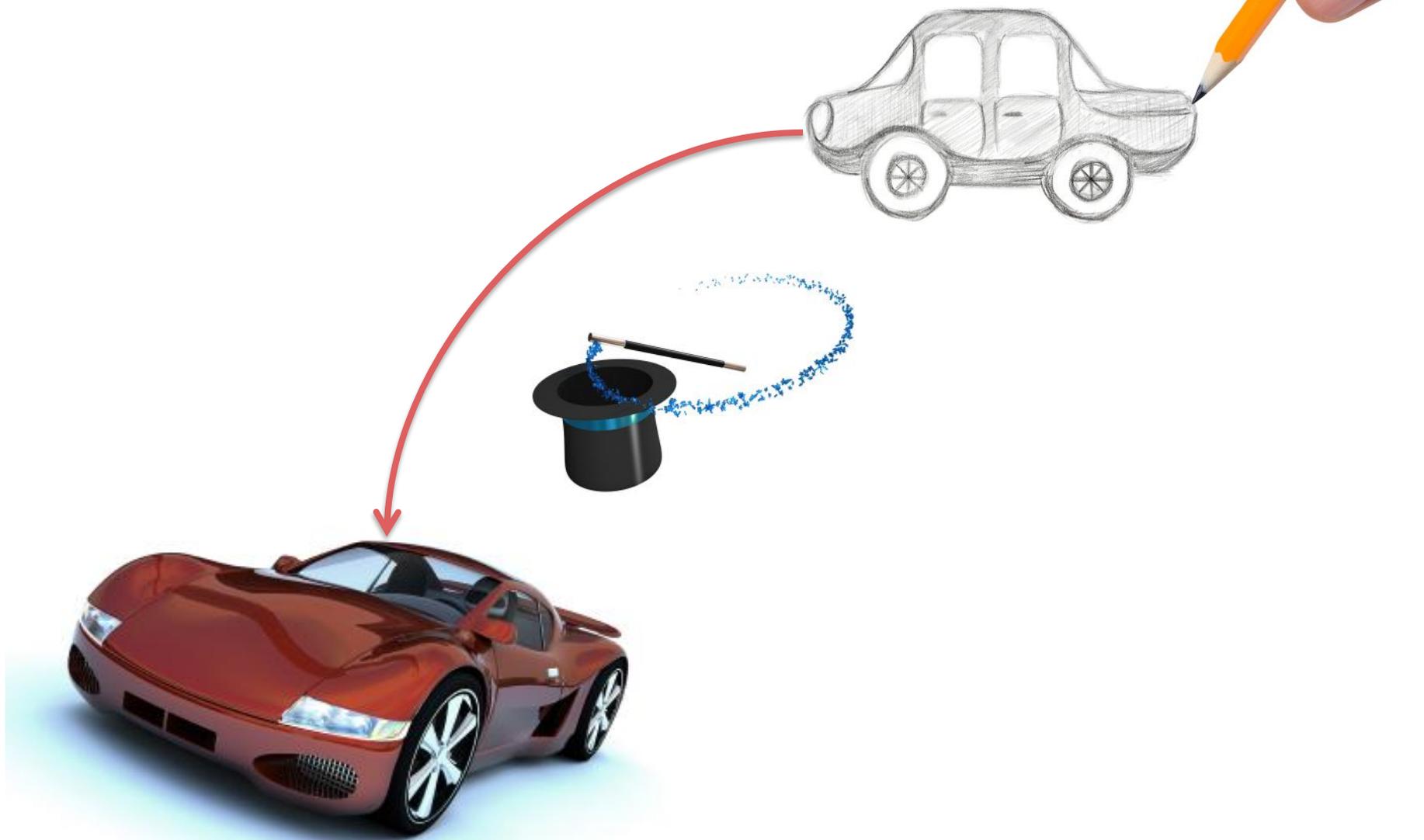
1. Developer commits changes



2. Business Analyst merges changes

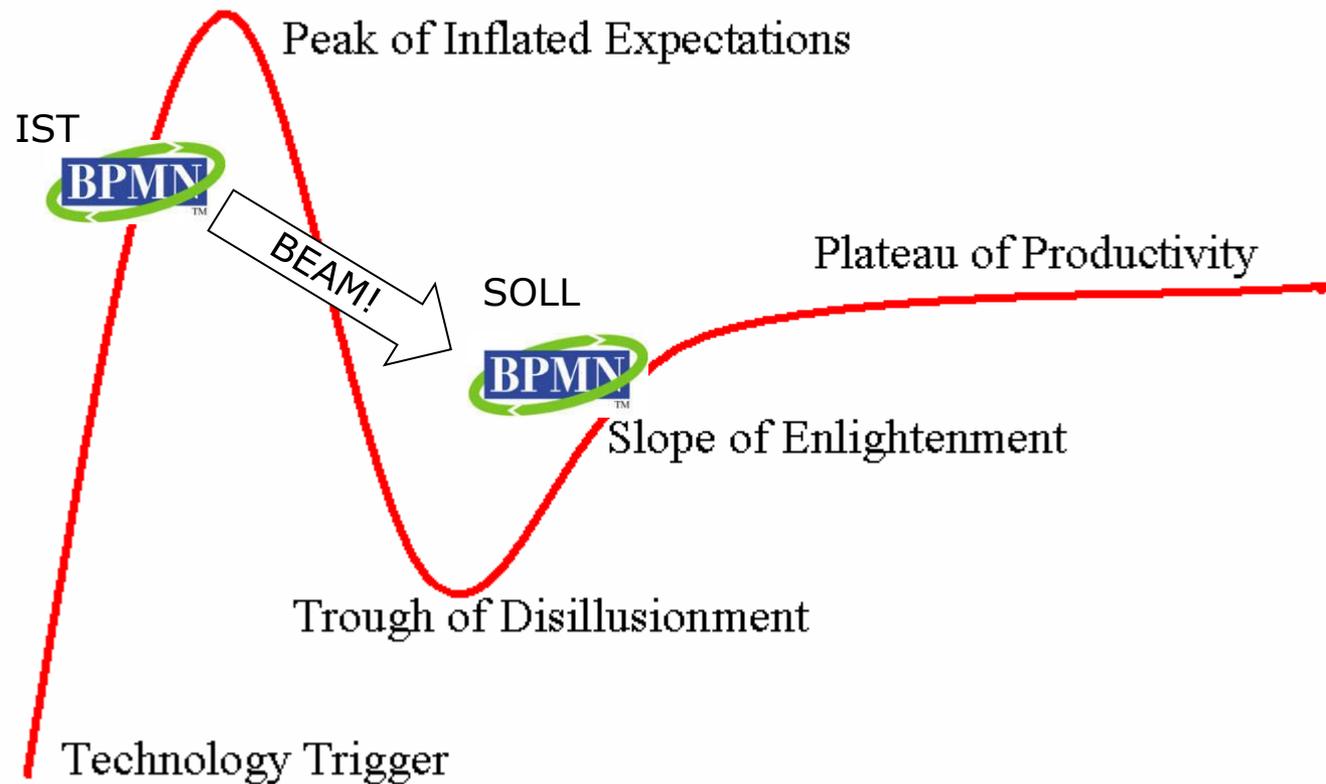


Und ist „Mapping“ eigentlich so schlecht?



Was wir gerade versuchen... Wer macht mit??

Gartner Hype Cycle



Vielen Dank! Fragen?



Vielen Dank!

Java Forum Stuttgart

Stuttgart, 01.07.2010



camunda services GmbH
Zossener Str. 55-58
10961 Berlin

Telefon: +49 30 664 0409-00

Telefax: +49 30 664 0409-29

Email: info@camunda.com



Bernd Rücker

Geschäftsführer

bernd.ruecker@camunda.com

Der Praxis-Blog zu BPM:

www.bpm-guide.de