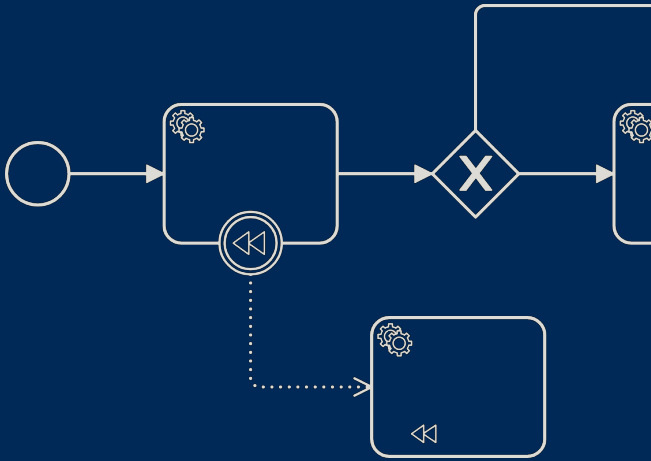
Camunda Chapter: Finland

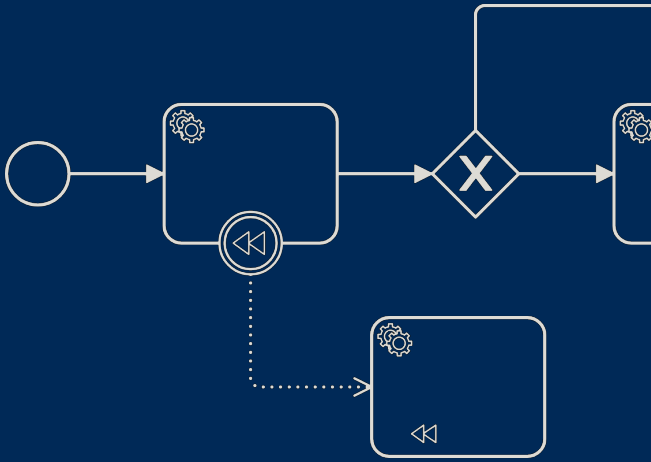
Joined

Camunda

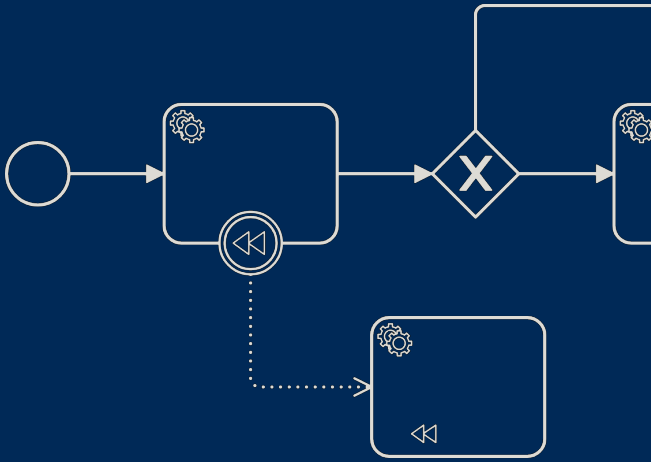


Camunda

Chapter:



Camunda Chapter: Finland



Camundan BPMN-teknologia osana avoimen lähdekoodin ratkaisuja

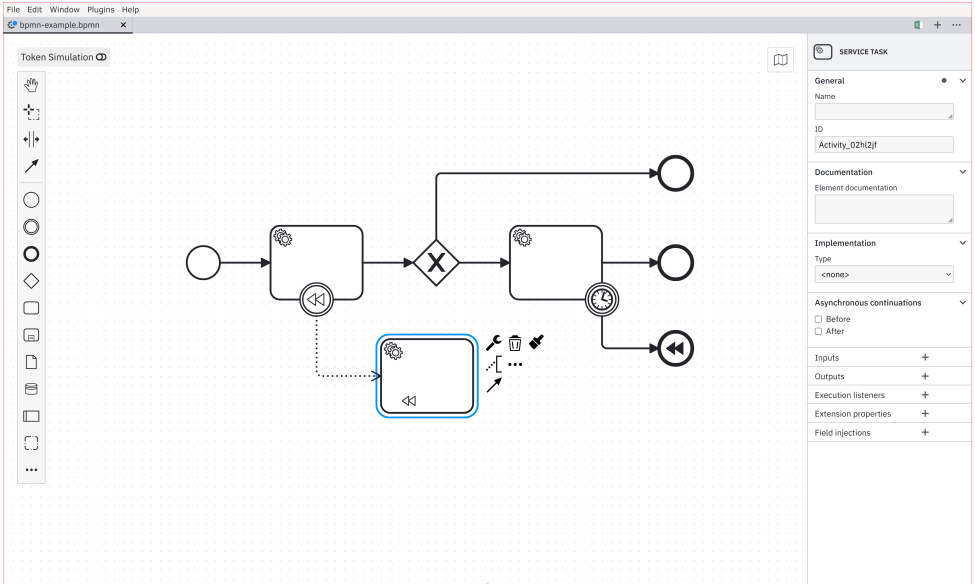
Asko Soukka

20.03.2024

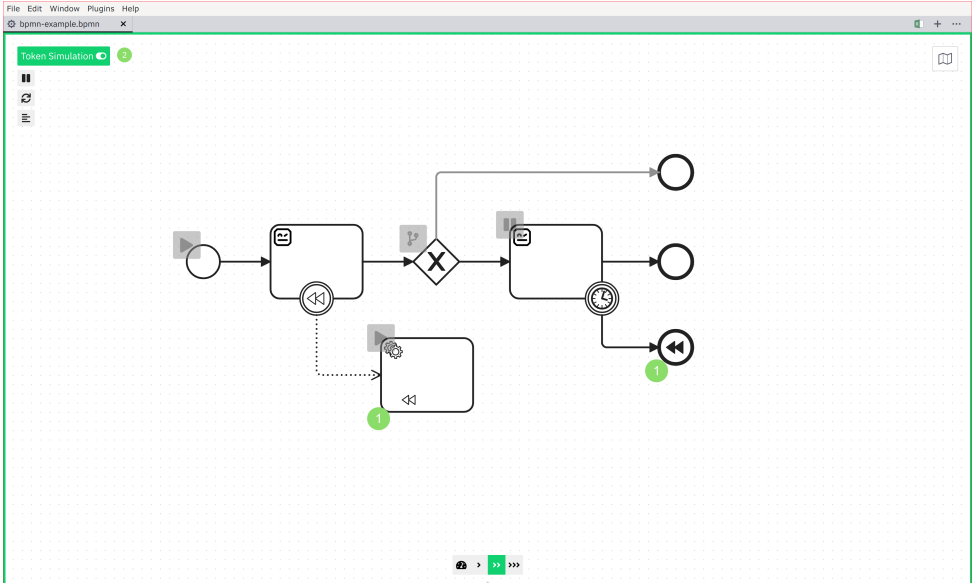
JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

Camunda Modeler

Camunda Modeler



Camunda Modeler Plugins



Camunda Modeler

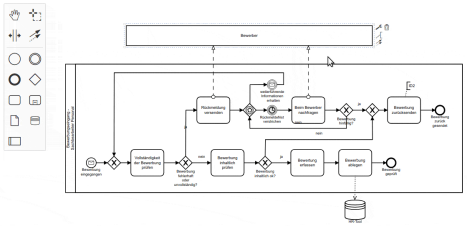
- License: MIT
- Plugins:
  - Token Simulation Plugin
  - Transaction Boundaries Plugin
  - Embedded Comments Plugin
  - Property Info Plugin
  - Resize Tasks Plugin

  https://github.com/camunda/camunda-modeler-plugins

bpmn.io

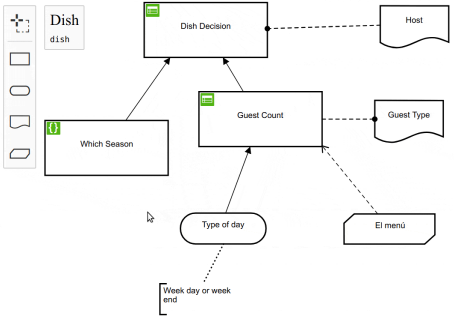
Web-based tooling for BPMN, DMN and Forms

- bpmn-js



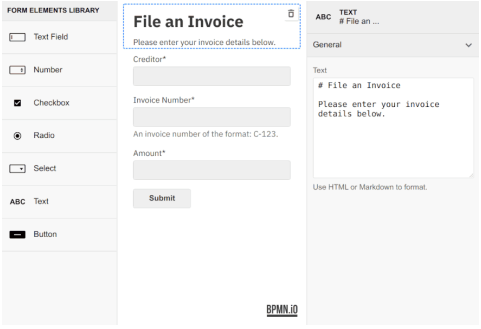
Web-based tooling for BPMN, DMN and Forms

- bpmn-js
- dmn-js



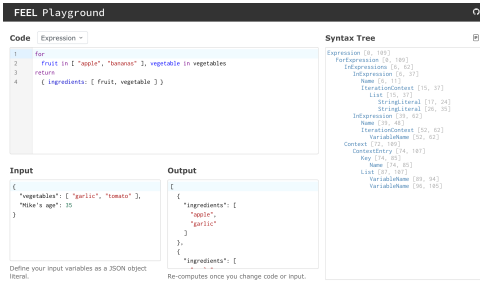
Web-based tooling for BPMN, DMN and Forms

- bpmn-js
- dmn-js
- form-js



Web-based tooling for BPMN, DMN and Forms

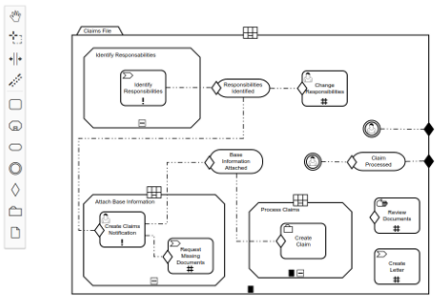
- bpmn-js
- dmn-js
- form-js
- nikku/feelin



bpmn.io

Web-based tooling for BPMN, DMN and Forms

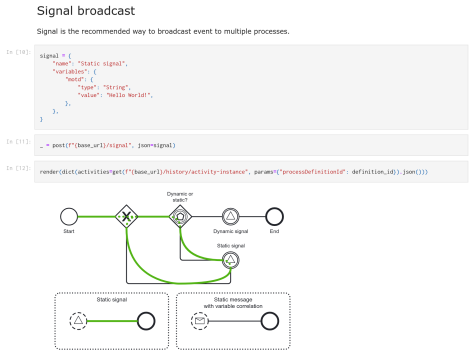
- bpmn-js
- dmn-js
- form-js
- nikku/feelin
- cmmn-js



bpmn.io + JupyterLab

BPMN, DMN and Forms in Jupyter notebooks

- jupyterlab-bpmn



bpmn.io + JupyterLab

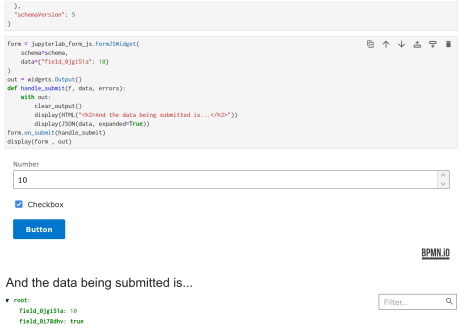
BPMN, DMN and Forms in Jupyter notebooks

- jupyterlab-bpmn
- jupyterlab-dmn

bpmn.io + JupyterLab

BPMN, DMN and Forms in Jupyter notebooks

- jupyterlab-bpmn
- jupyterlab-dmn
- jupyterlab-form-js



Sphinx documentation

Open Automation Playground

Search docs

Robocon 2023 Workshop
Playground introduction
BPMN basics by examples
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Camunda execution exercises
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DMN, user tasks and forms
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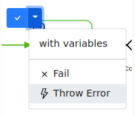
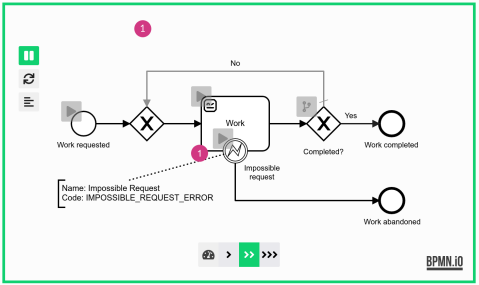
Service tasks for Robots
Robocorp Code in action
Exercise: PDF creation robot
Exercise: Email sending robot
Exercise: API consuming robot
Exercise: Spreadsheet robot
Exercise: Exception handling
Extra: Classification training
About Camunda Platforms
Summary: Hello World

Handle BPMN error

Let's then refactor a little and add a new feature:

1. Re-use the model from the previous exercise.
2. Remove ◯ end event *Work not completed* and route the path to path back to the ⊟ service task instead.
3. Add a -◯- error boundary event to ⊟ service task with a path to a new ◯ *Work abandoned*.
4. Configure the -◯- error boundary event to expect error with some specific error code.
5. Deploy process to **Zeebe**, start an instance of it and **Throw Error** with the code you just configured on its ⊟ service task to reach the new ◯ end event *Work abandoned*.



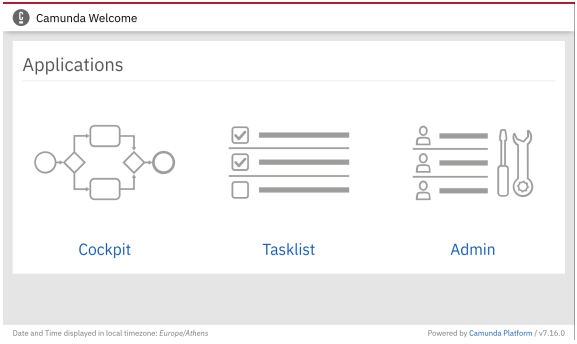


■ add-boundary-error.bpmn

Camunda 7

Camunda 7 Community Edition

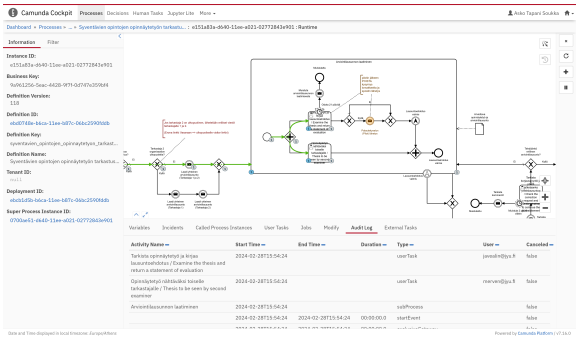
- License: Apache 2.0
- ”Open Core”
- Distributions:
  - Camunda Run
  - Tomcat
  - Docker
  - SpringBoot
  - Micronaut (unofficial)



Camunda 7 Plugins

Camunda 7 Webapps Plugins

- Minimal History
- JupyterLite
- form.io-forms



Other

- Cammand

Camunda 7 Plugins

Camunda 7 Backend Plugins

- Keycloak Identity Provider
- GraphQL API

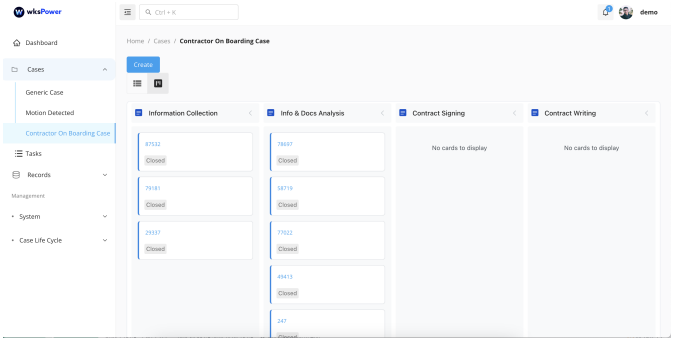
Other

- External Task Clients
- Vasara ”Message Gateway”
- Vasara ”Carrot RCC”

Camunda 7 Platforms

Camunda 7 Based Platforms

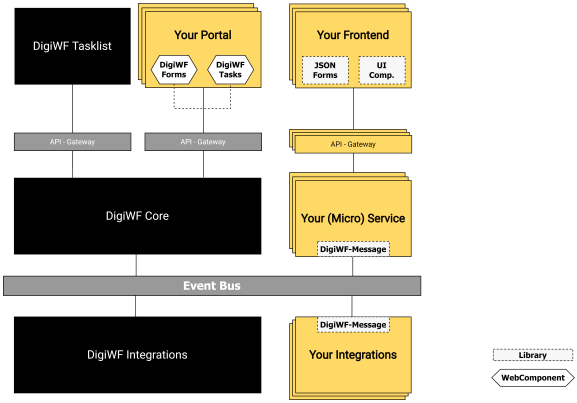
- WKS Platform



Camunda 7 Platforms

Camunda 7 Based Platforms

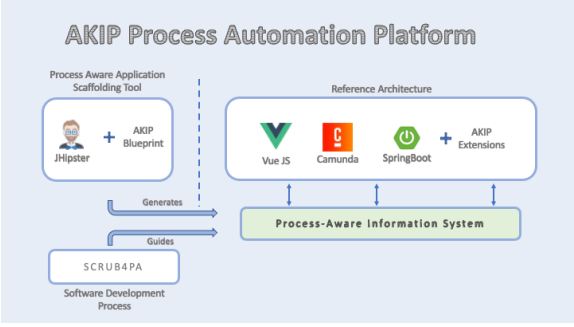
- WKS Platform
- digiWF



Camunda 7 Platforms

Camunda 7 Based Platforms

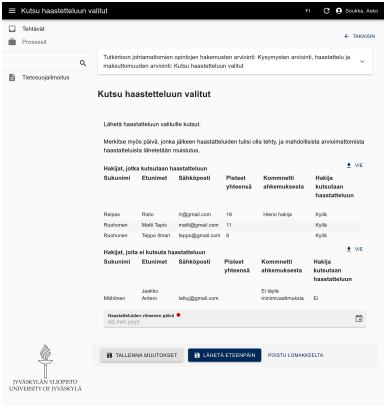
- WKS Platform
- digiWF
- AgileKIP (on-hold)



Camunda 7 Platforms

Camunda 7 Based Platforms

- WKS Platform
- digiWF
- AgileKIP (on-hold)
- Digital State (unknown)
- Vasara (in-progress)
- Plone-integration (on-hold)



Camunda 7 EOL

- Camunda 7 CE will EOL (end of life) in October 2025
- final release (v7.24), happening on Oct 14, 2025
- GitHub repo will be archived, deprecated
- artifacts on Maven Central will no longer be maintained

Camunda 7 Enterprise Edition (EE) will EOL in April 2030

Zeebe (Camunda 8)

Camunda 8 Licensing

- Zeebe – Zeebe Community License 1.1
- Connector SDK – Apache 2.0
- Camunda Webapps – proprietary
- Camunda Connectors – proprietary

Camunda 7 vs. Zeebe

Camunda 7

- Apache 2.0
- Full stack
- Standalone
- Transactional
- Integratable
- REST API + long-poll
- Customizable

Zeebe

- Custom
- Only engine
- Cluster
- Event-driven
- External service
- gRPC + exporters
- Opinionated

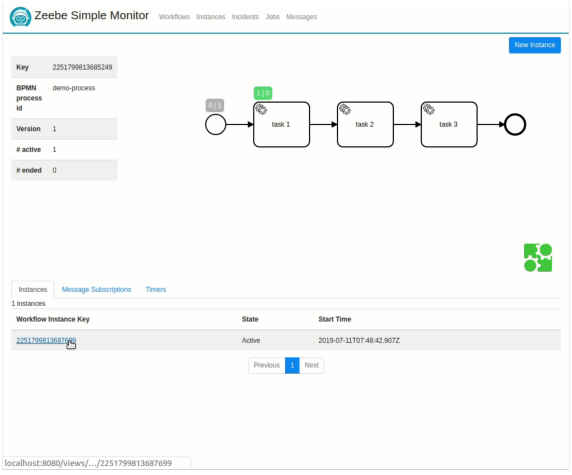
Zeebe OSS ecosystem

https://github.com/camunda-community-hub

- interceptors
- exporters
- task clients
- ”connectors”
- APIs
- webapps

Zeebe OSS picks

- zeebe-keycloak-interceptor
- zeebe-jwt-interceptor
- zeebe-redis-exporter
- zeebe-simple-monitor
- zeeqs (GraphQL API)
- zeebe-play
- Parrot RCC
- datasette.io example
- Connector SDK Connectors



Zeebe Playground (2022)

Open Automation Playground

https://datakurre.github.io/automation-playground