



bpmn.io Outside of Camunda

Exploring the wider eco-system and its users.

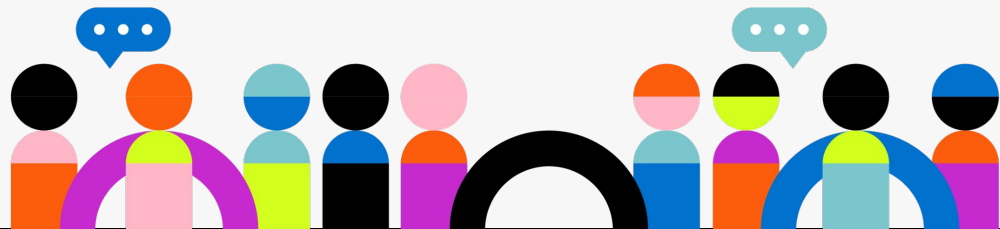
**CAMUNDA
COMMUNITY
SUMMIT 2023**

Nico Rehwaltdt / 2023-05-11

bpmn.io Outside of Camunda

Exploring the wider eco-system and its users.

Nico Rehwaldt / 2023-05-11



Agenda



Intro and quick facts



Use cases outside of Camunda



Picks from the community

BPMN.io

bpmn-js ▾

dmn-js ▾

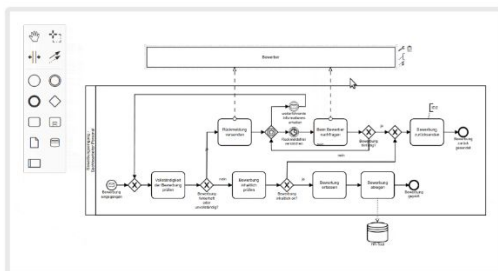
form-js ▾

Blog

Forum

GitHub

Web-based tooling for **BPMN**, **DMN** and **Forms**.

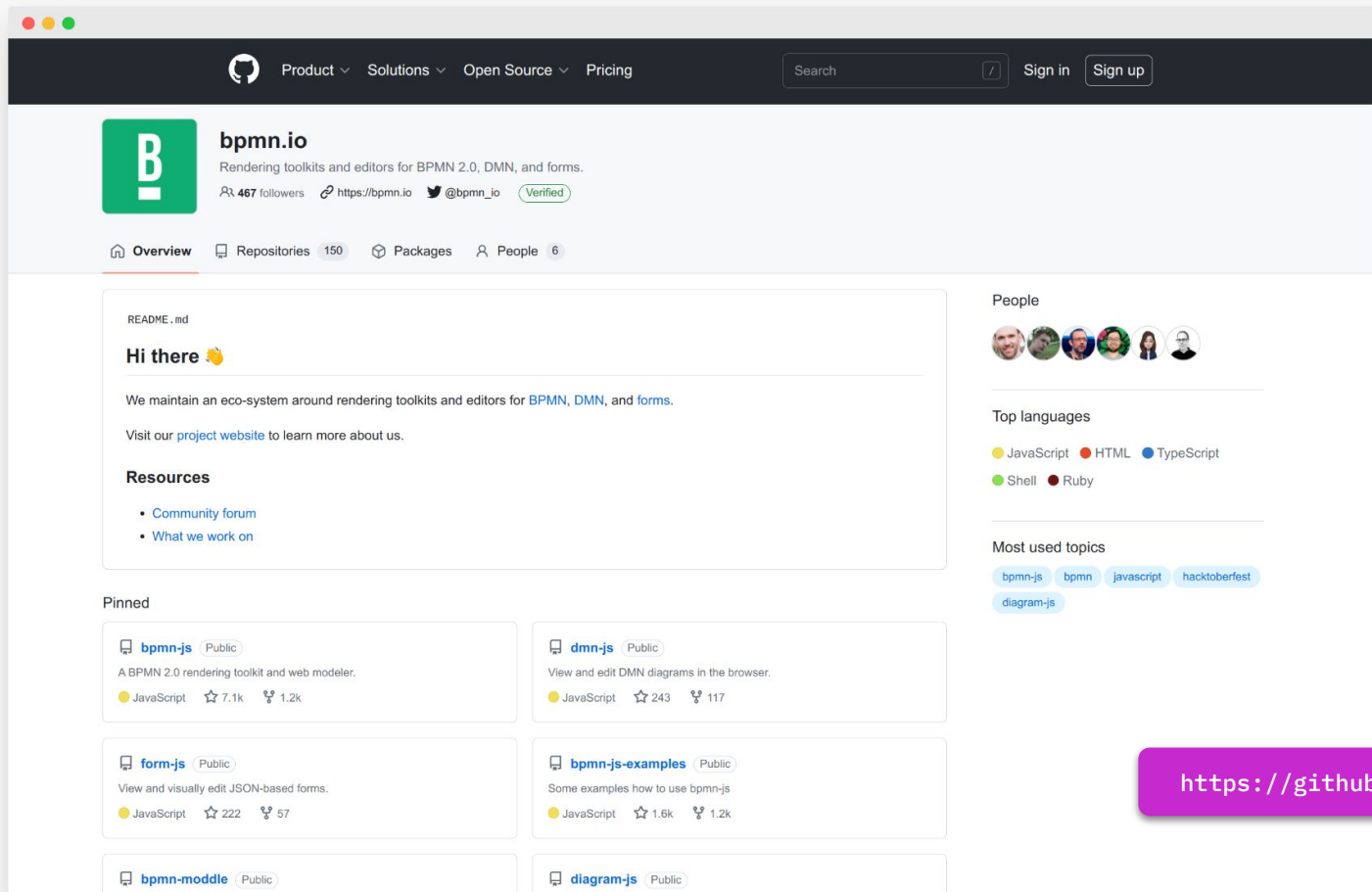
[Try Online](#)

BPMN Viewer and Editor

Use **bpmn-js** to display BPMN 2.0 diagrams on your website.

Embed it as a BPMN 2.0 web modeler into your applications and customize it to suit your needs.

[Learn more](#)[Try Online](#)<https://bpmn.io/>



The screenshot shows the GitHub profile page for bpmn.io. The header includes navigation links for Product, Solutions, Open Source, and Pricing, along with a search bar and Sign in/Sign up buttons. The profile section features the bpmn.io logo, a description of the project, and statistics: 467 followers, 150 repositories, and 6 packages. The main content area is divided into sections: Overview (selected), Repositories, Packages, and People. The Overview section contains a README file with a greeting, a description of the project, a link to the project website, and a list of resources. The Pinned section displays four repositories: bpmn-js, dmn-js, form-js, and bpmn-js-examples, each with a brief description and statistics. The right sidebar shows the profile picture, top languages (JavaScript, HTML, TypeScript, Shell, Ruby), and most used topics (bpmn-js, bpmn, javascript, hacktoberfest, diagram-js).

bpmn.io
Rendering toolkits and editors for BPMN 2.0, DMN, and forms.
467 followers · <https://bpmn.io> · [@bpmn_io](#) (Verified)

Overview · Repositories 150 · Packages · People 6

README .md

Hi there 🙌

We maintain an eco-system around rendering toolkits and editors for **BPMN**, **DMN**, and **forms**.

Visit our [project website](#) to learn more about us.

Resources

- [Community forum](#)
- [What we work on](#)

Pinned

bpmn-js (Public)

A BPMN 2.0 rendering toolkit and web modeler.

JavaScript 7.1k 1.2k

dmn-js (Public)

View and edit DMN diagrams in the browser.

JavaScript 243 117

form-js (Public)

View and visually edit JSON-based forms.

JavaScript 222 57

bpmn-js-examples (Public)

Some examples how to use bpmn-js

JavaScript 1.6k 1.2k

bpmn-moddle (Public)

diagram-js (Public)

People

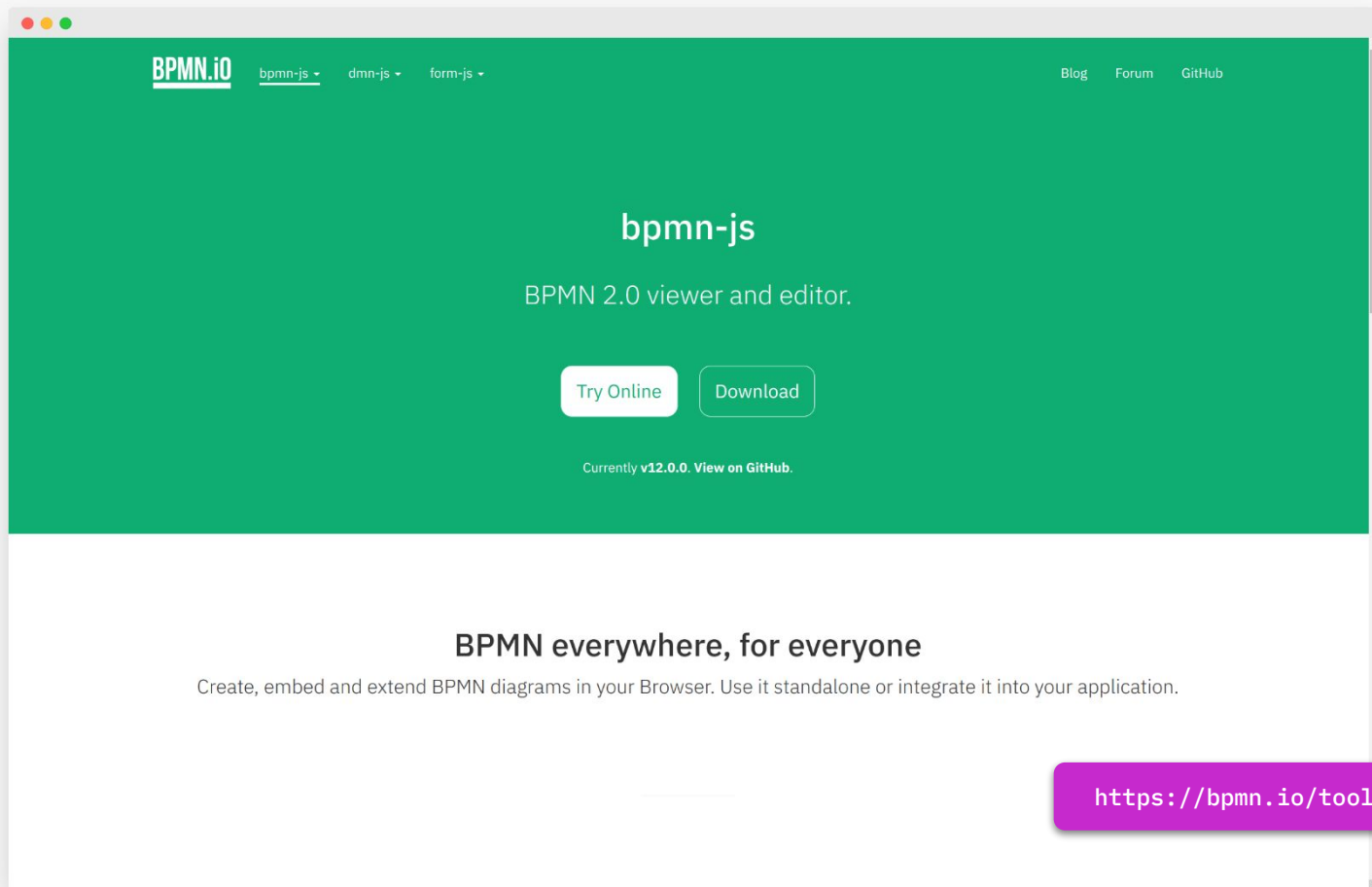
Top languages

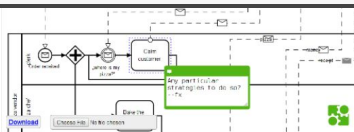
- JavaScript HTML TypeScript
- Shell Ruby

Most used topics

- bpmn-js bpmn javascript hacktoberfest diagram-js

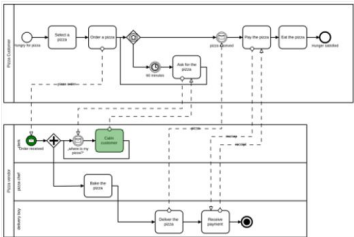
<https://github.com/bpmn-io>





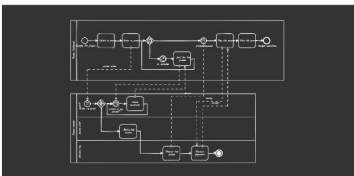
Leave comments on BPMN diagrams.

Colors



Add colors to your BPMN diagrams.

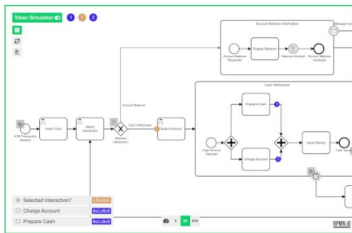
Theming



Add theming to bpmn-js.

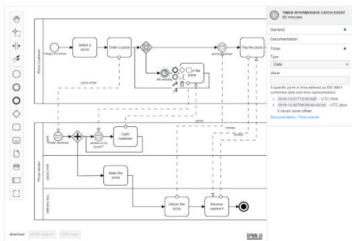
Compare two BPMN diagrams and visualize the differences.

Token Simulation



Simulate BPMN 2.0 execution in your browser.

Properties Panel

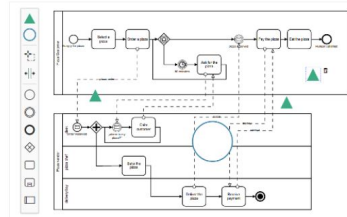


A bpmn-js + properties panel example.



A custom BPMN modeler with nyan cats, custom modeling rules and more.

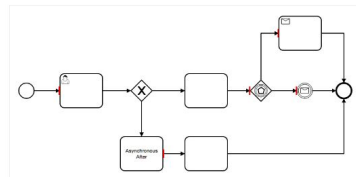
Custom Elements



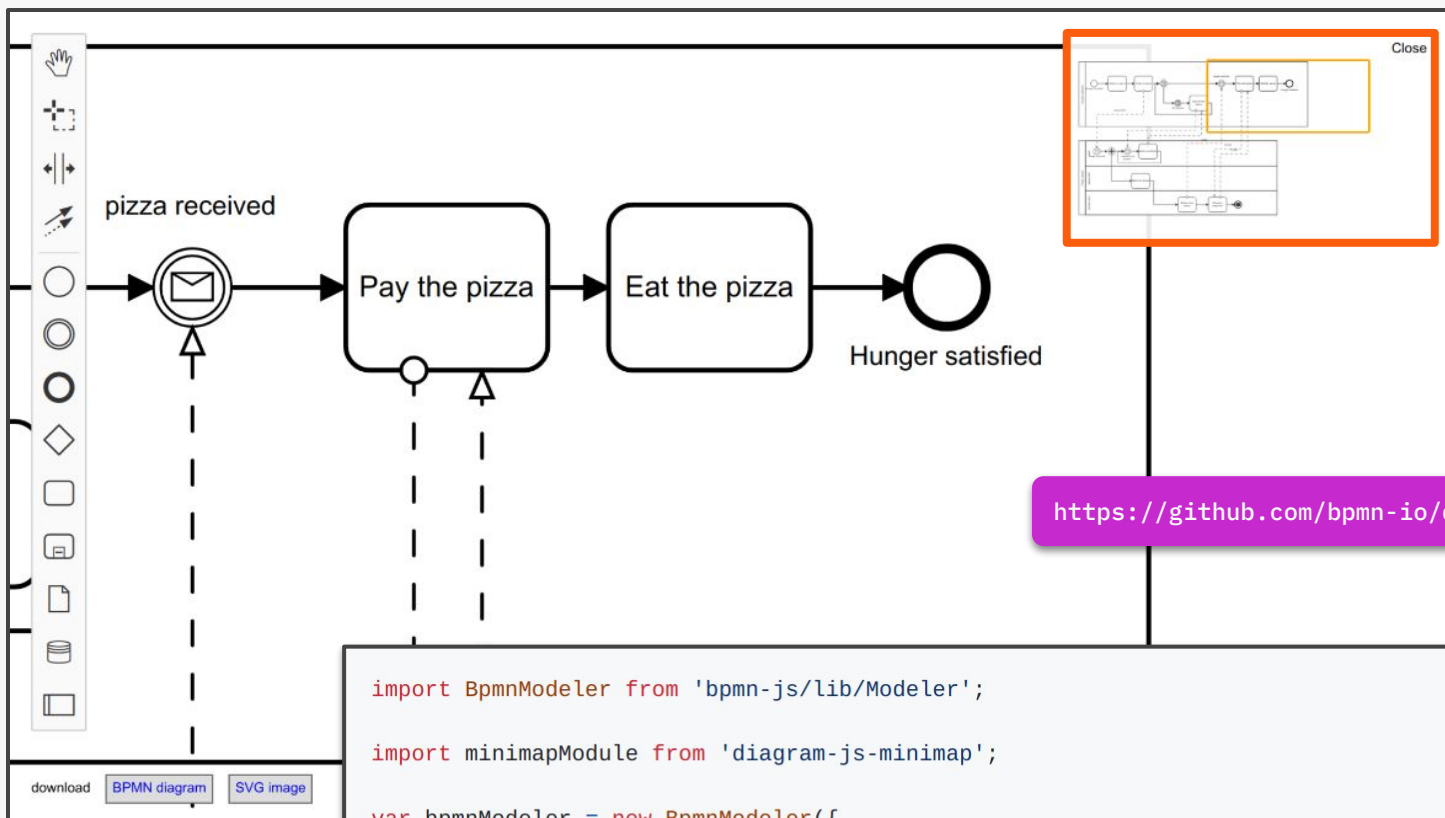
BPMN not enough? Add custom elements to your diagrams.

<https://bpmn.io/toolkit/bpmn-js/examples/>

Transaction Boundaries



Visualize transaction boundaries in the diagram.



```
import BpmnModeler from 'bpmn-js/lib/Modeler';

import minimapModule from 'diagram-js-minimap';

var bpmnModeler = new BpmnModeler({
  additionalModules: [
    minimapModule
  ]
});
```


Project statistics



9

Years old



150

Repositories on
GitHub



7

Camundis
contributing to core
development

Usage statistics



2400

Dependencies to
bpmn-js, known to
GitHub



380

Libraries released on
npm depend on
bpmn-js



30k + 33k

Monthly visitors to
bpmn.io and
bpmn.io demo



Encourages external use

- [Editors, not drawing tools](#)
- Easy to use and to embed
- Extensible and modular
- Supported by [examples](#) and additional tooling

Agenda



Intro and quick facts



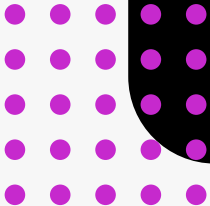
Use cases outside of Camunda



Picks from the community

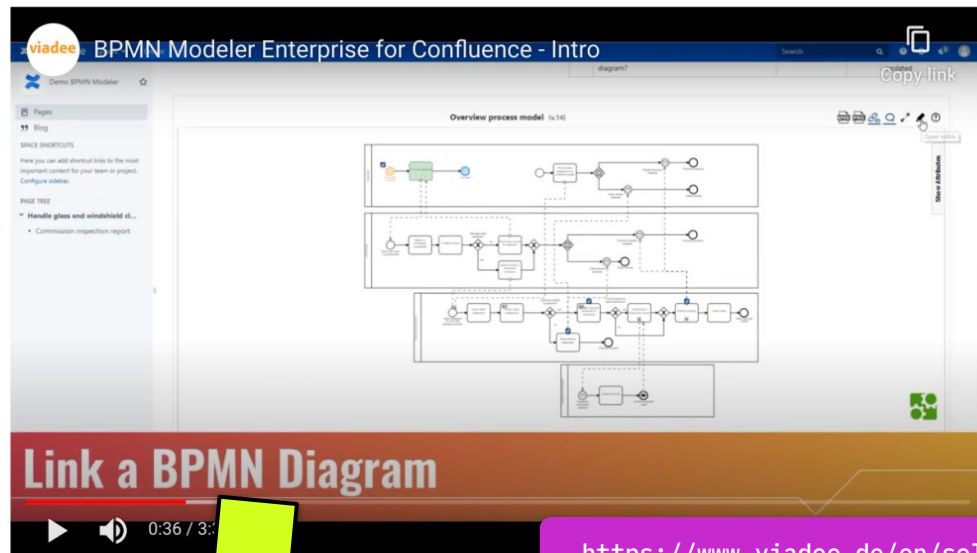
We are a team of process engineers,
who design operational processes with
BPMN [...]. Our processes don't have
anything to do with programming (!)
and we are no IT people, so please
bear with us.

– J-B, via bpmn.io forum



Embed anywhere

- ✓ Active modeling support through tools like automated layout helpers, the BPMN-validator or visual token simulation as well as individual preferences for the plug-in



Link a BPMN Diagram

MORE THAN 1.000 INSTALLED INSTANCES AND TOP RATINGS

CUSTOMER REVIEW

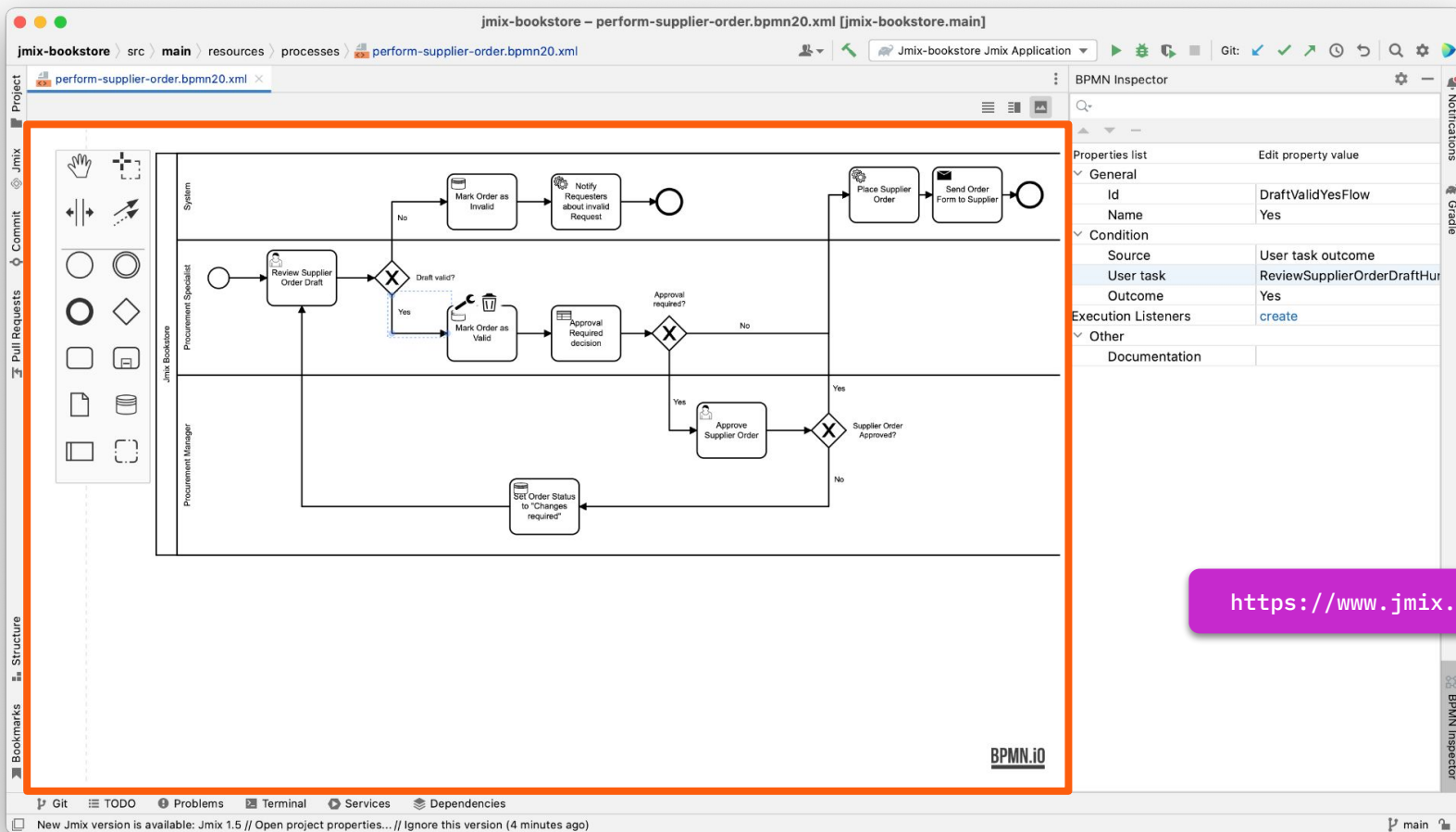
"Finally a plug-in that fully supports BPMN 2.0 and is very comfortable to use!" - Heiko Fricke, Atlassian Marketplace

TRY OUT THE ENTERPRISE VERSION **FREE OF CHARGE**

Get to know the strengths of our BPMN Modeler in practical application. Learn how you can organise your work much more

<https://www.viadee.de/en/solutions/business-process-management/bpmn-modeler>

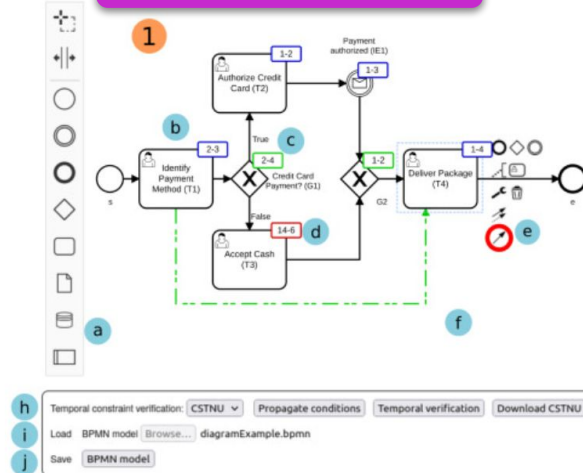
FREE TEST VERSION



Extend, experiment and research

Situation awareness for BPMN

time-aware-bpmn-js



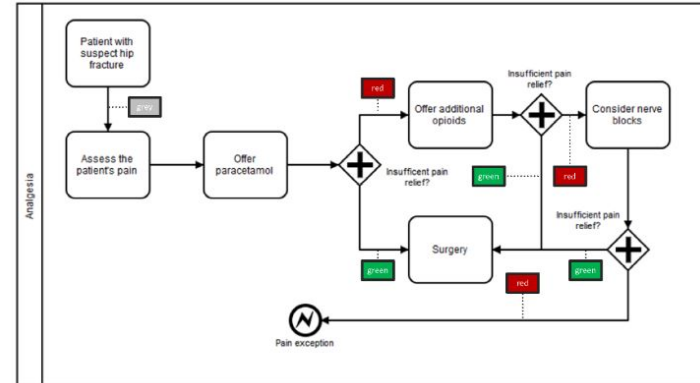
Download : [Download high-res image \(365KB\)](#)

Download : [Download full-size image](#)

Fig. 2. Screenshot of the interface of TimeAwareBPMN-JS.

Figure 17. The support tool: BPMN editing.

Edit BPMN



Requirements engineering

Figure 1: Screenshot of fcm-js user interface

Fragment-based case management

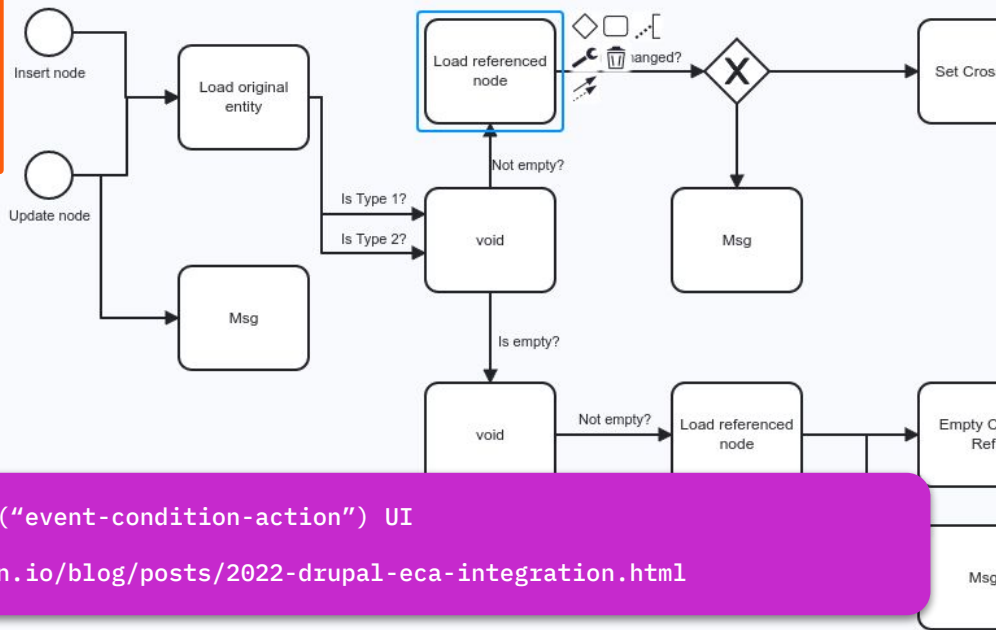
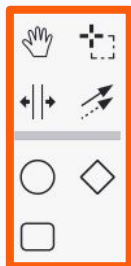
Workflow, but not Camunda

Cross references ECA Model ☆

Save

Close

[Browse available tokens.](#)



☐
ENTITY: LOAD VIA REFERENCE

Load referenced node

General

Template Applied

Custom properties

Name of token

refentity

Field name entity reference

field_other_node

Load entity from

Current scope

Entity type

- None chosen -

Entity ID

Revision ID

Language

Interface language

Load latest revision

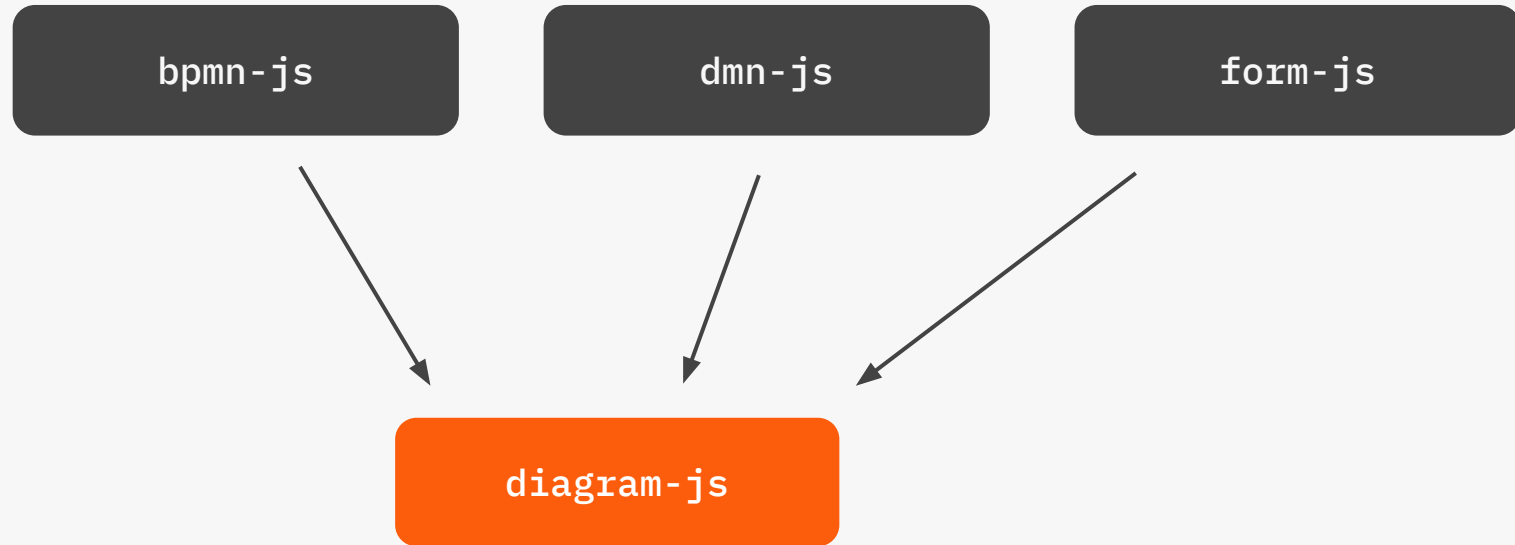
no

Load unchanged values

Drupal ECA ("event-condition-action") UI

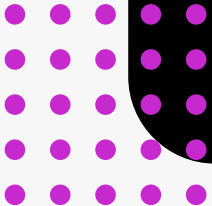
<https://bpmn.io/blog/posts/2022-drupal-eca-integration.html>

Reuse the core



I [...] got wondering whether anybody has ever suggested creating an Archimate modeler using the snappy js modeling library you use.

– fideocam, via bpmn.io forum

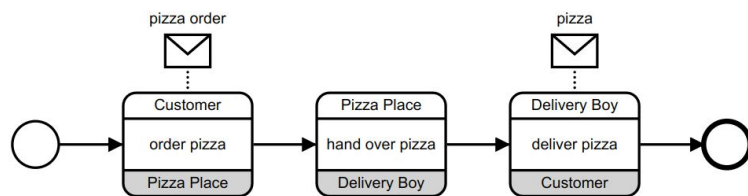




Name

Default View

Documentation



<https://github.com/bptlab/chor-js>

Use cases: Summary

- **Embed anywhere** - Integrate in wikis, (developer) tools, web applications
- **Extend, experiment and research** - Extend BPMN, tailor it towards a particular domain
- **Workflow, but not Camunda** - Flow modeling for (any) execution platform
- **Re-use the core** - Inherit the modeling UX and build support for other visual languages

Agenda



Intro and quick facts



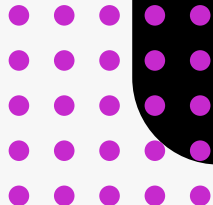
Use cases outside of Camunda



Picks from the community

Many front-end developers in China
are currently using this library, and
it's my pleasure to provide some help
for this.

– MiyueFE, bpmn-js contributor



The most detailed bpmn.js textbook directory in the whole network



LinDaiDai_Lin B... LV.6

December 10, 2019 08:04 · Read 58911



全网最详bpmn.js教材

<https://juejin.cn/post/6844904017567416328>

@稀土掘金技术社区

simple palette

open a file

download file

preview

simulation

Task >

gateway ▾

start >

Finish ▾

tool >

gateway

start

Finish

tool

Hunger noticed

choose dish

X

Close minimap

conventional ▾

ID Process_1683099344346

name 业务流程_1683099344346

版本标签

可执行 否 ☒ 是

消息与信号 >

execute listener >

extended attributes >

other >

https://miyuesc.github.io/process-designer/

BPMN.io



Community summit agenda

Introduction

<https://github.com/pinussilvestrus/postit-js>

Extensions

Since `diagram-js` and also this project is extendable by design, there exist a couple of great community maintained extensions

- `drag-drop-images` - Drag and drop image files on the board
- `selection-organizer` - Organize and distribute groups of elements
- `properties-panel` - Properties panel for post-it elements

open

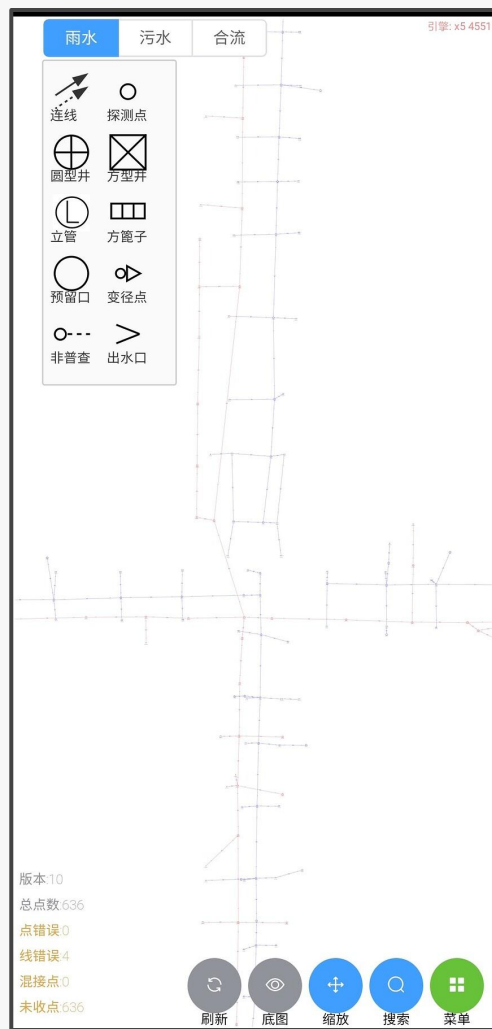
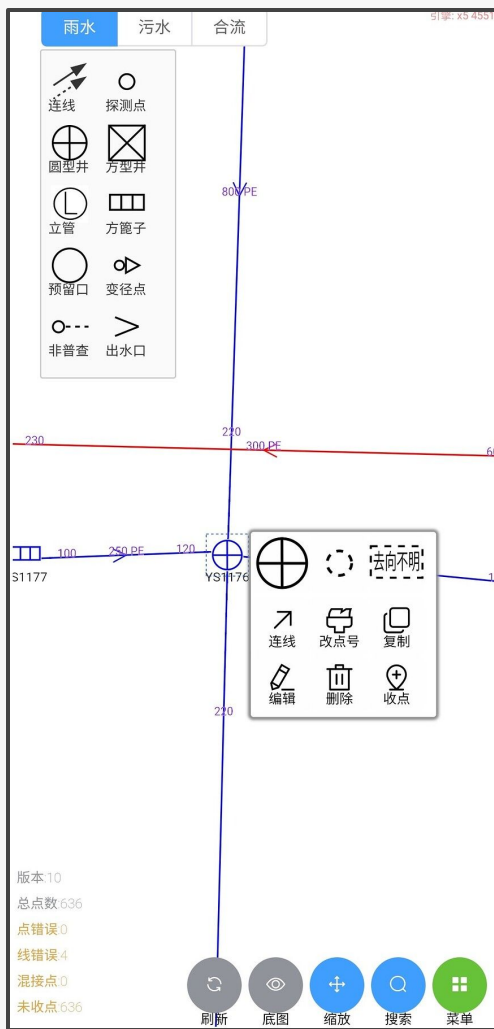
Postit XML file

New Board

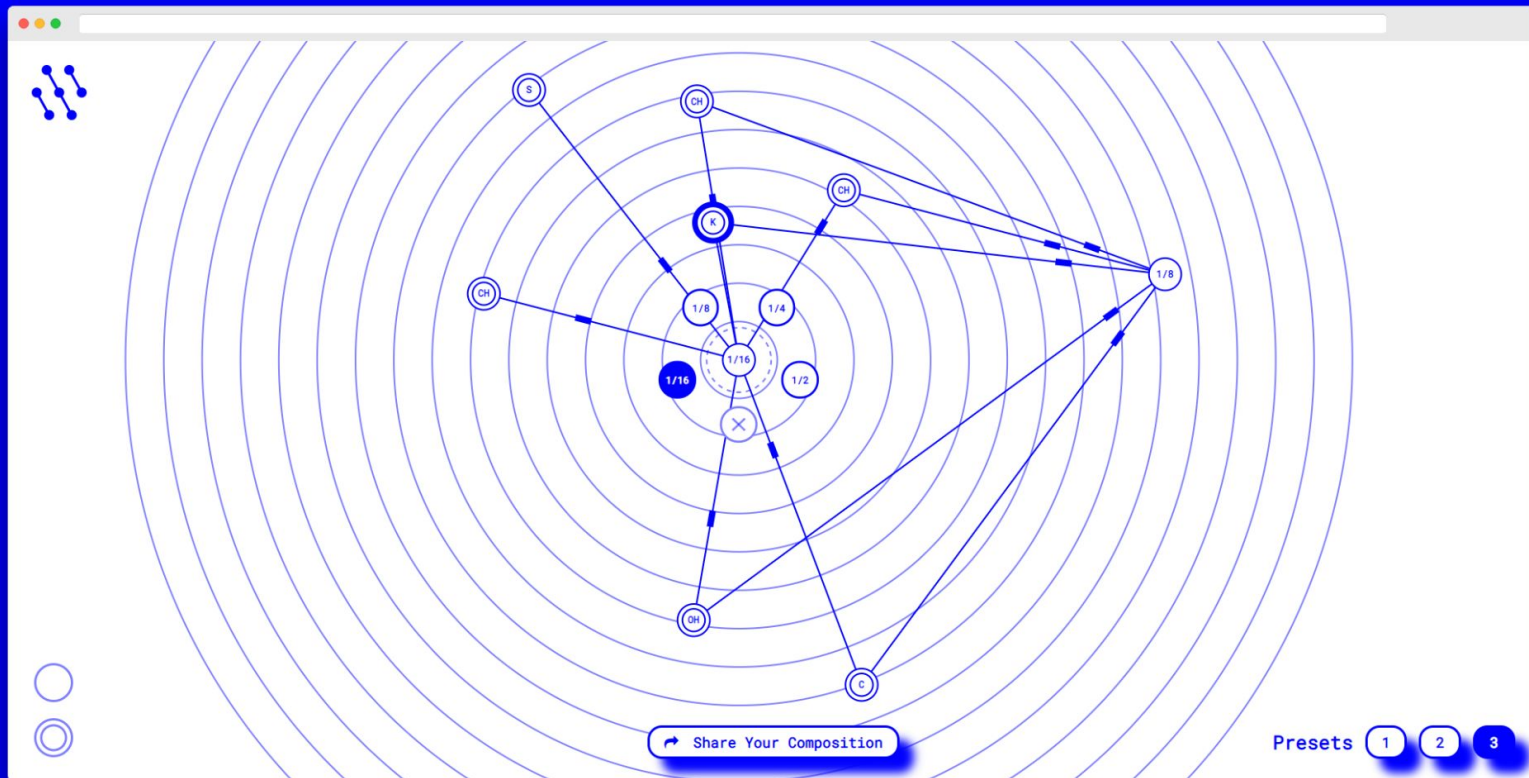
download

Postit XML file

SVG image



Plotting more than 1500
elements you may run into
performance issues.



(BPMN) Everywhere, for everyone.

Thank You



nico.rehwaldt@camunda.com



<https://www.linkedin.com/in/nrehwaldt/>



<https://github.com/nikku>

Got something to contribute?

- Talk to us on the [project forums](#) or propose it to our [awesome list](#).

