

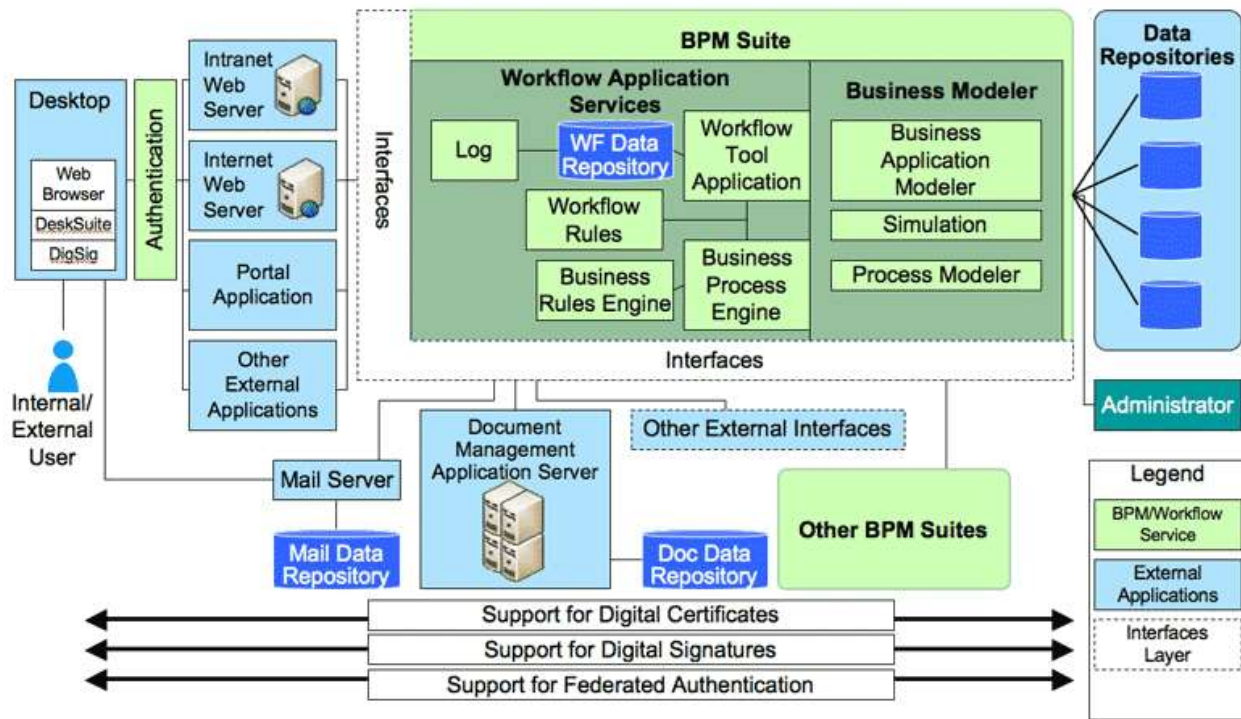


Business Automation Architectures for a Cloud-Native World

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Product Manager - Business Automation

A Refresher: BPMS circa 2007



Impact of the Cloud...

Provides superior economics

- Pay for usage
- Don't pay for idle

Improves Accessibility

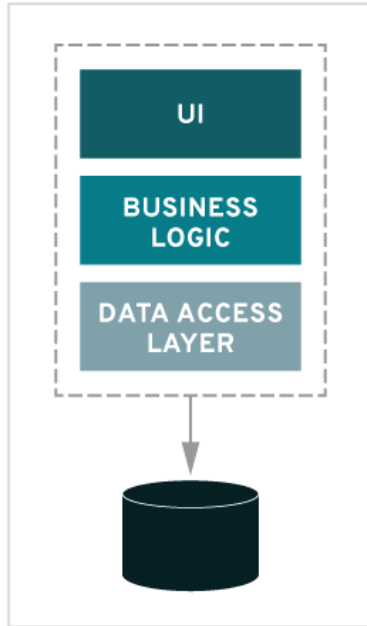
- Zero for users to install
- Any app, anywhere, any time

Results in:

- New application architectures
- New approaches to application development

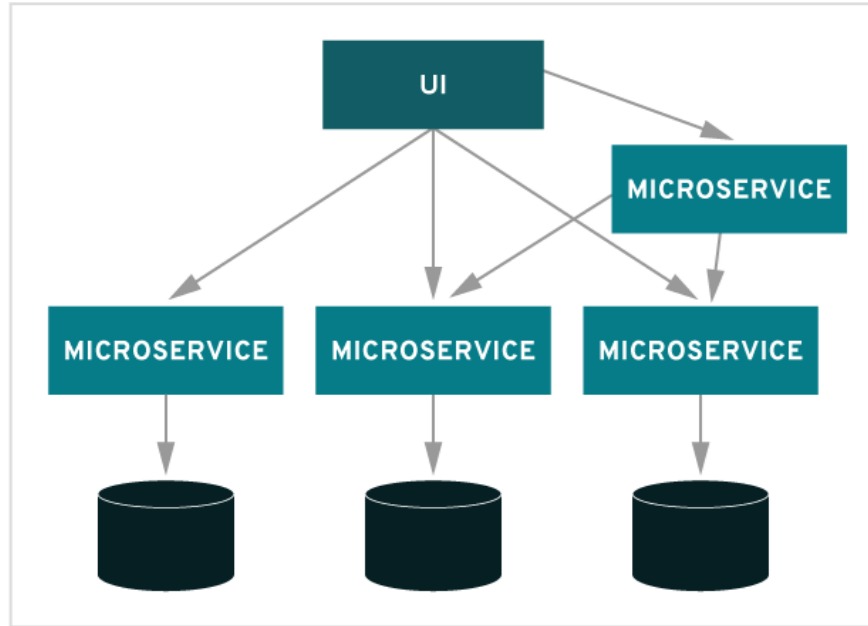
New Architectures

MONOLITHIC



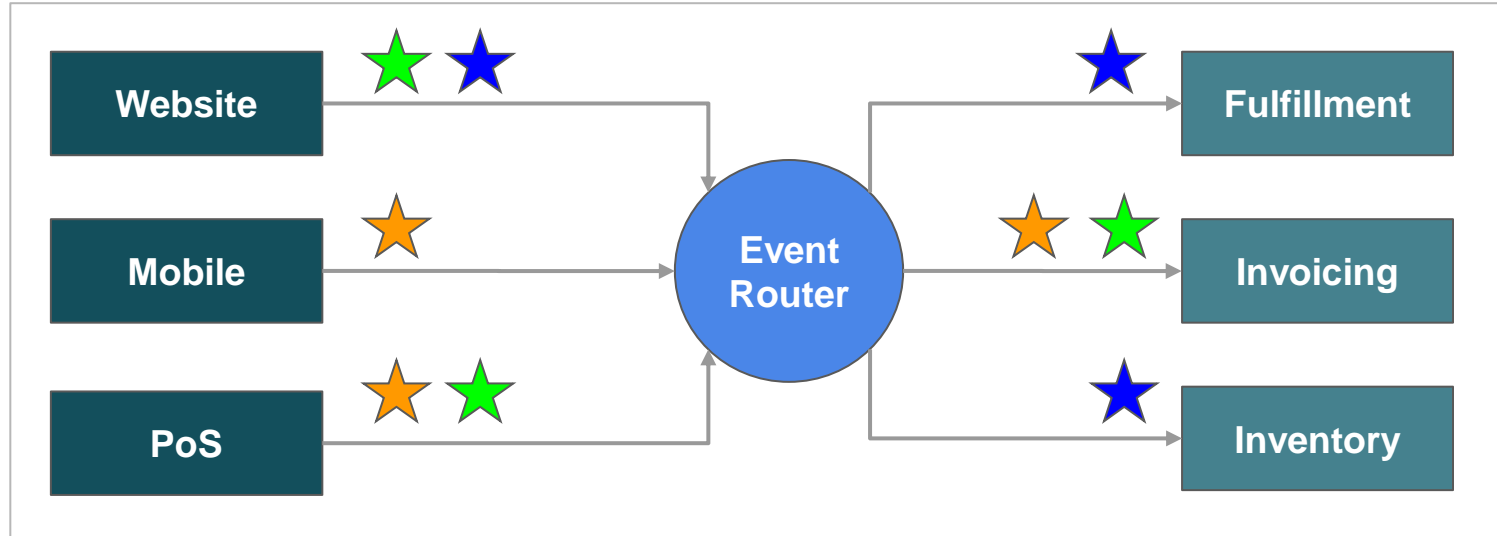
VS.

MICROSERVICES

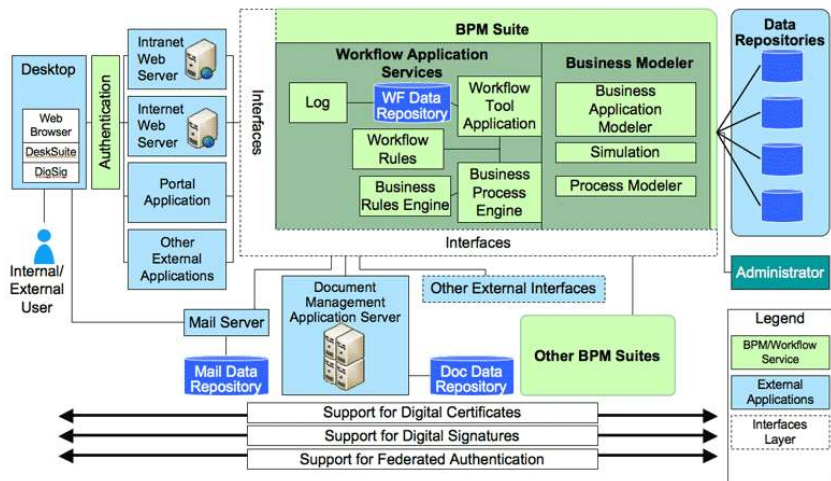


New Architectures

EVENT-DRIVEN



The BPMS Cloud Challenge



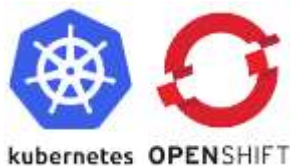
- BPMS are typically not optimized for the cloud use-case
 - Cannot be split into independent microservices
- Much of the code performs support functions unrelated to BPM:
 - Clustering
 - Failover
 - Authentication & authorisation
 - User management
 - Data storage & retrieval



Introducing Kogito

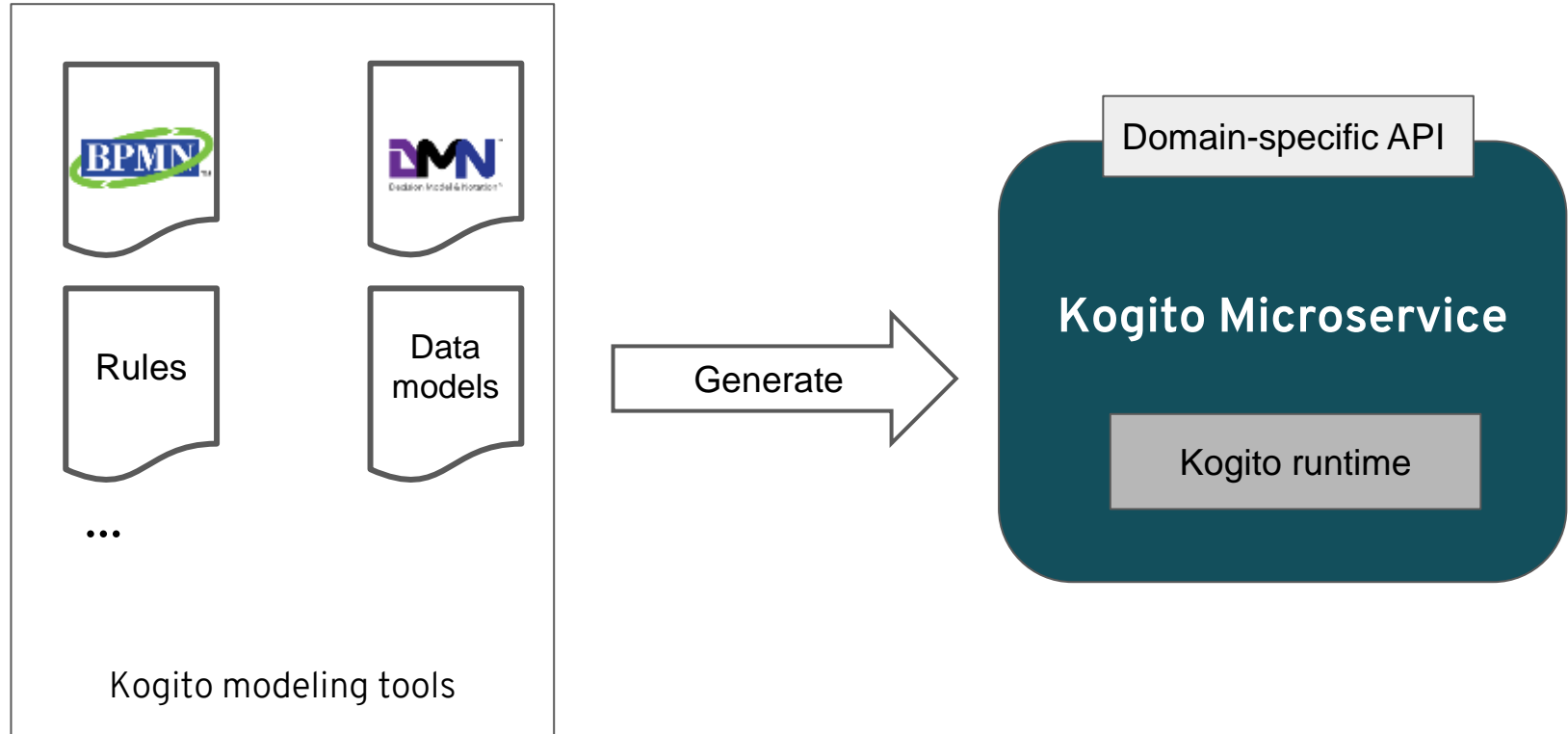
Cloud-Native Business Automation for building intelligent applications,
backed by battle-tested capabilities

*A continuation of
Drools, jBPM and
Optaplanner but
completely
redesigned to be
cloud-native!*

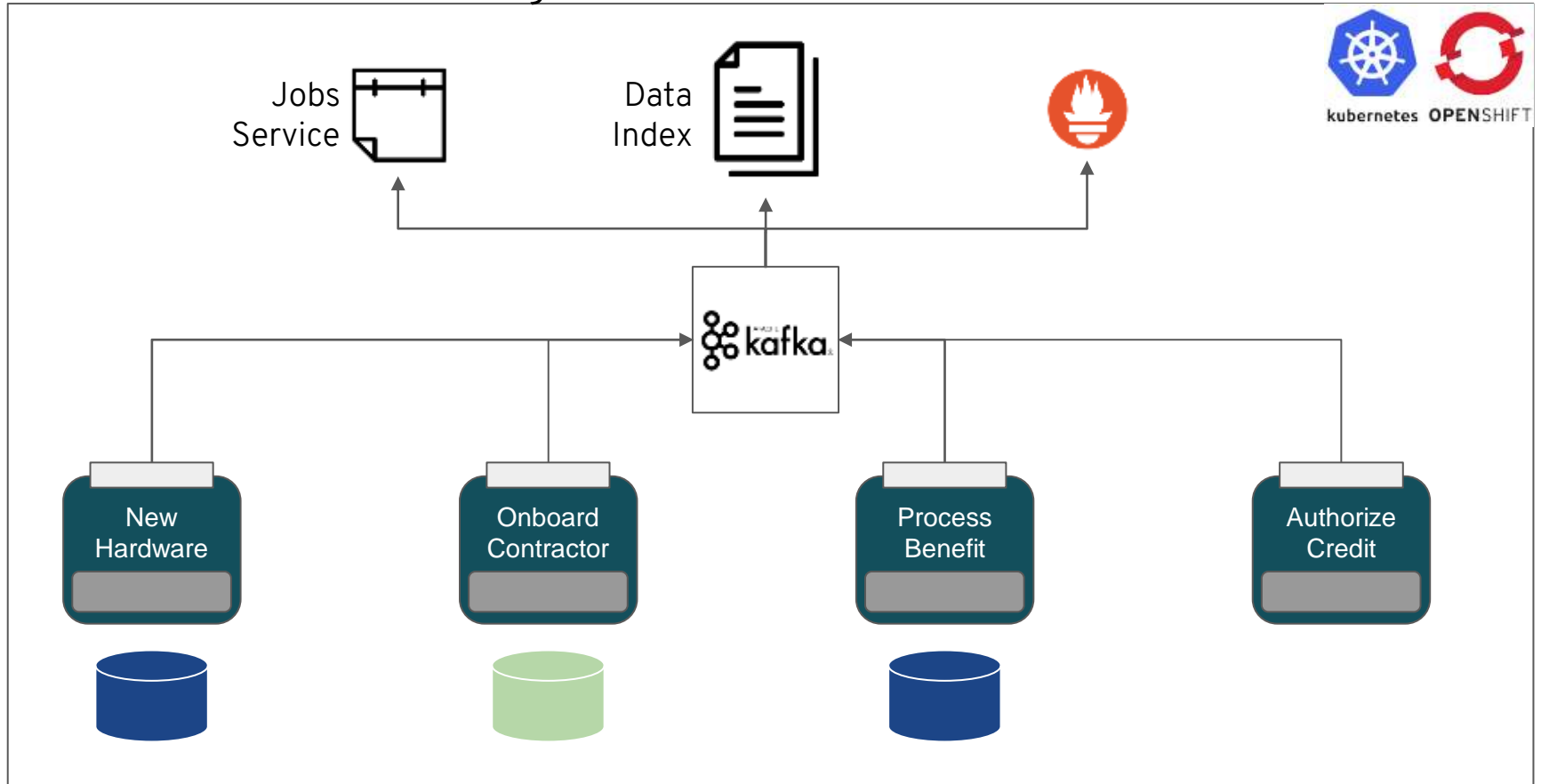


Grafana

A Kogito Microservice



Kogito Runtime Architecture



Example Kogito Tools

The screenshot displays the 'Business Modeler Preview' web application. The header features a red lightning bolt icon, the title 'Business Modeler Preview', a link to 'Get Business Modeler Hub Preview', and a help icon. A welcome message states: 'Welcome to Business Modeler! These simple BPMN, DMN and PMML editors are here to allow you to collaborate quickly and to help introduce you to the new tools and capabilities of Process Automation. Feel free to get in touch in the forum or review the documentation for more information.' The interface is powered by Kogito. The main content area is divided into six panels. The top row contains three panels: 'Workflow (.BPMN)' with a description, a 'Try Sample' link, and a 'Create new workflow' button; 'Decision model (.DMN)' with a description, a 'Try Sample' link, and a 'Create new decision model' button; and 'Scorecard model (.PMML)' with a description, a 'Try Sample' link, and a 'Create new Scorecard' button. The bottom row contains two panels: 'Edit existing file' with instructions to upload a file and a file upload input field; and 'Open from source' with instructions to paste a URL, a 'URL' label, and a text input field.

Business Modeler Preview [Get Business Modeler Hub Preview](#) ⓘ

Welcome to Business Modeler! These simple BPMN, DMN and PMML editors are here to allow you to collaborate quickly and to help introduce you to the new tools and capabilities of Process Automation. Feel free to get in touch in the forum or review the documentation for more information.

Powered by Kogito

Workflow (.BPMN)

BPMN files are used to generate business processes.

[Try Sample](#)

[Create new workflow](#)

Decision model (.DMN)

DMN files are used to generate decision models

[Try Sample](#)

[Create new decision model](#)

Scorecard model (.PMML)

PMML files are used to generate scorecards

[Try Sample](#)

[Create new Scorecard](#)

Edit existing file

Upload your BPMN, DMN or PMML file here to start making new edits!

Open from source

Paste a URL to a source code link (GitHub, Dropbox, etc.)

URL

<https://kiegroup.github.io/kogito-online-staging/dmn-runner/#/>

KOGITO VALUE



Cloud-Native

Low memory, fast startup,
cloud efficiency, serverless,
business optimizations



Agile

Fast experimentation and
rapid delivery of changes



Speed to market

Through low learning curve,
developer efficiency,
standards, straightforward
integration

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



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