

RED HAT
SUMMIT

BOSTON, MA
JUNE 23-26, 2015

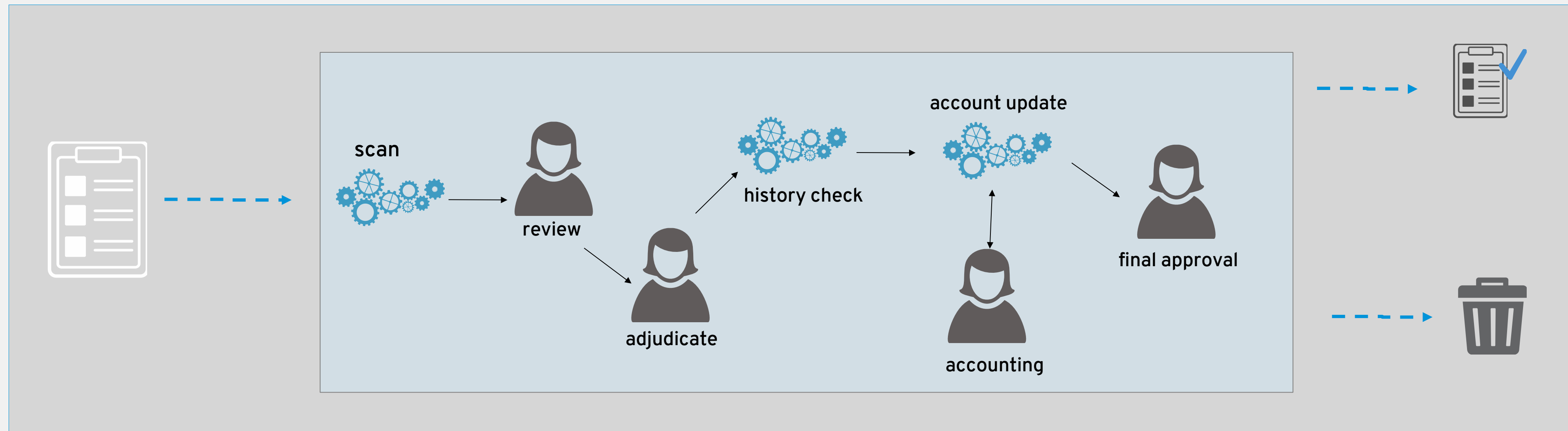
Business Process Automation Roadmap:

Tackle application backlogs with BPM

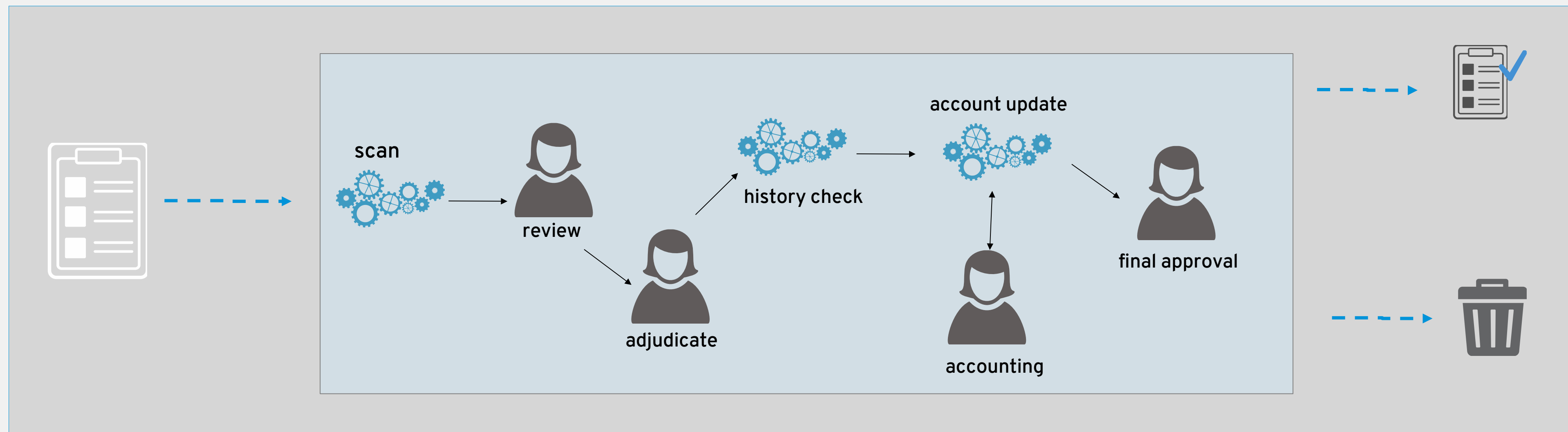
Mark Proctor
Prakash Aradhya
Phil Simpson
June 26, 2015

BPM Overview

Business challenges



Business challenges

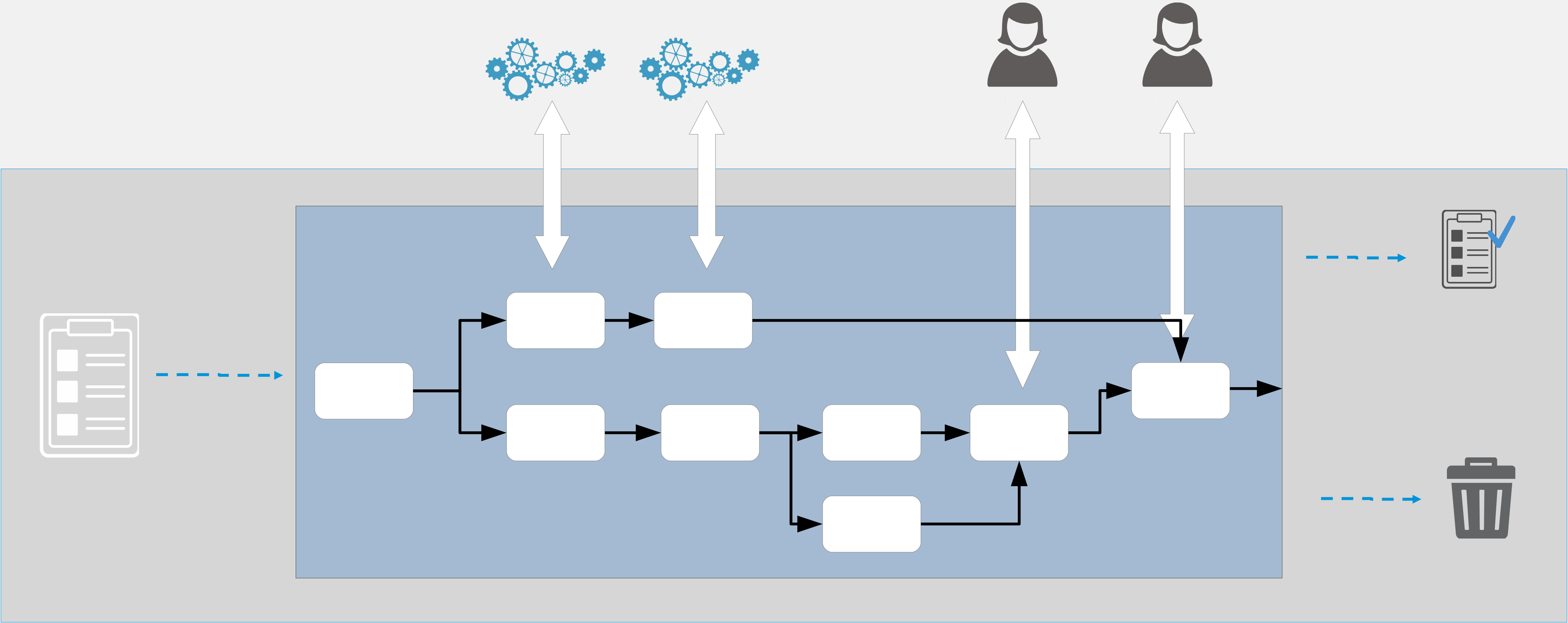


Hard to
Change

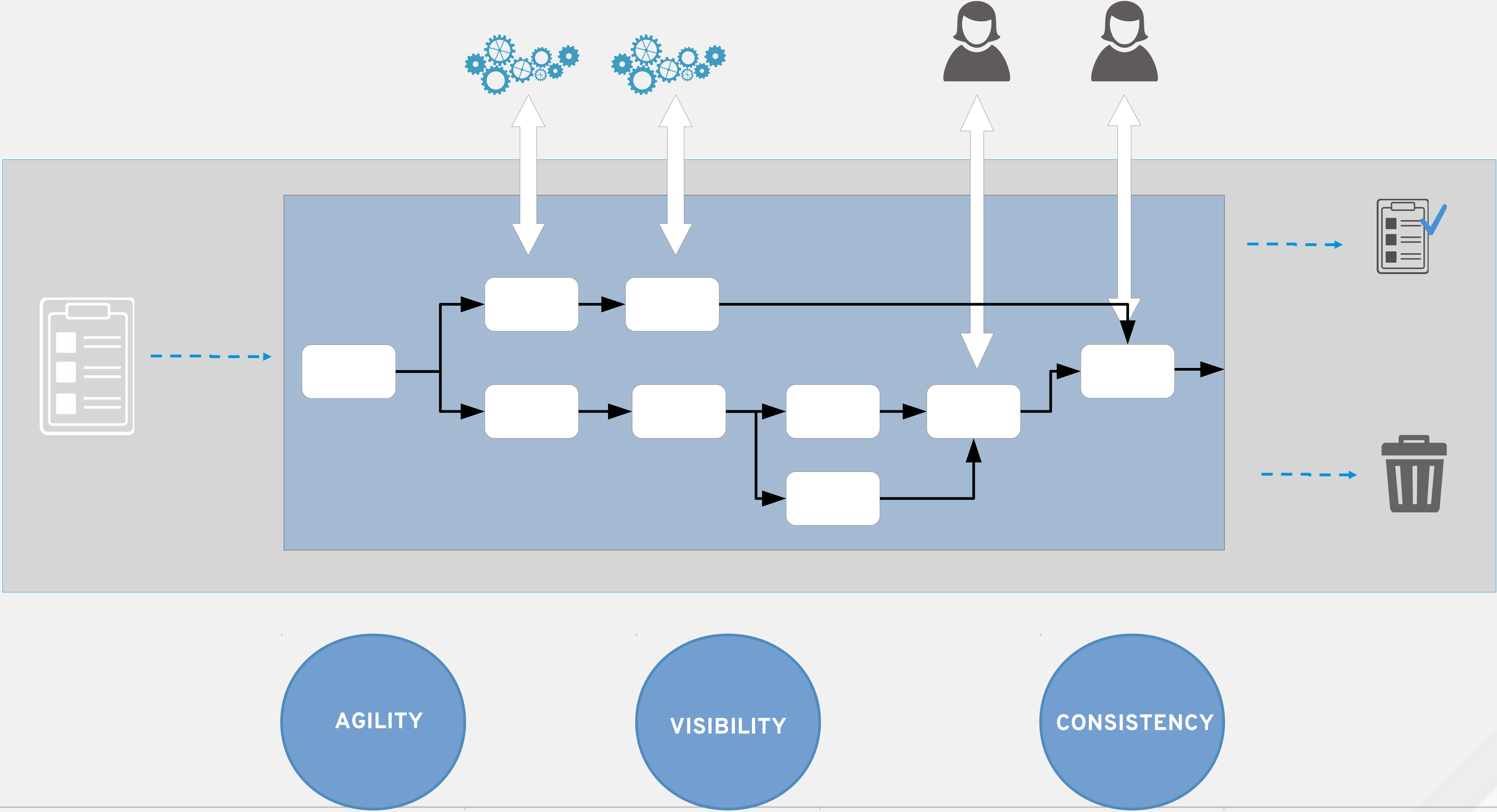
Hard to
Monitor

Inconsistent

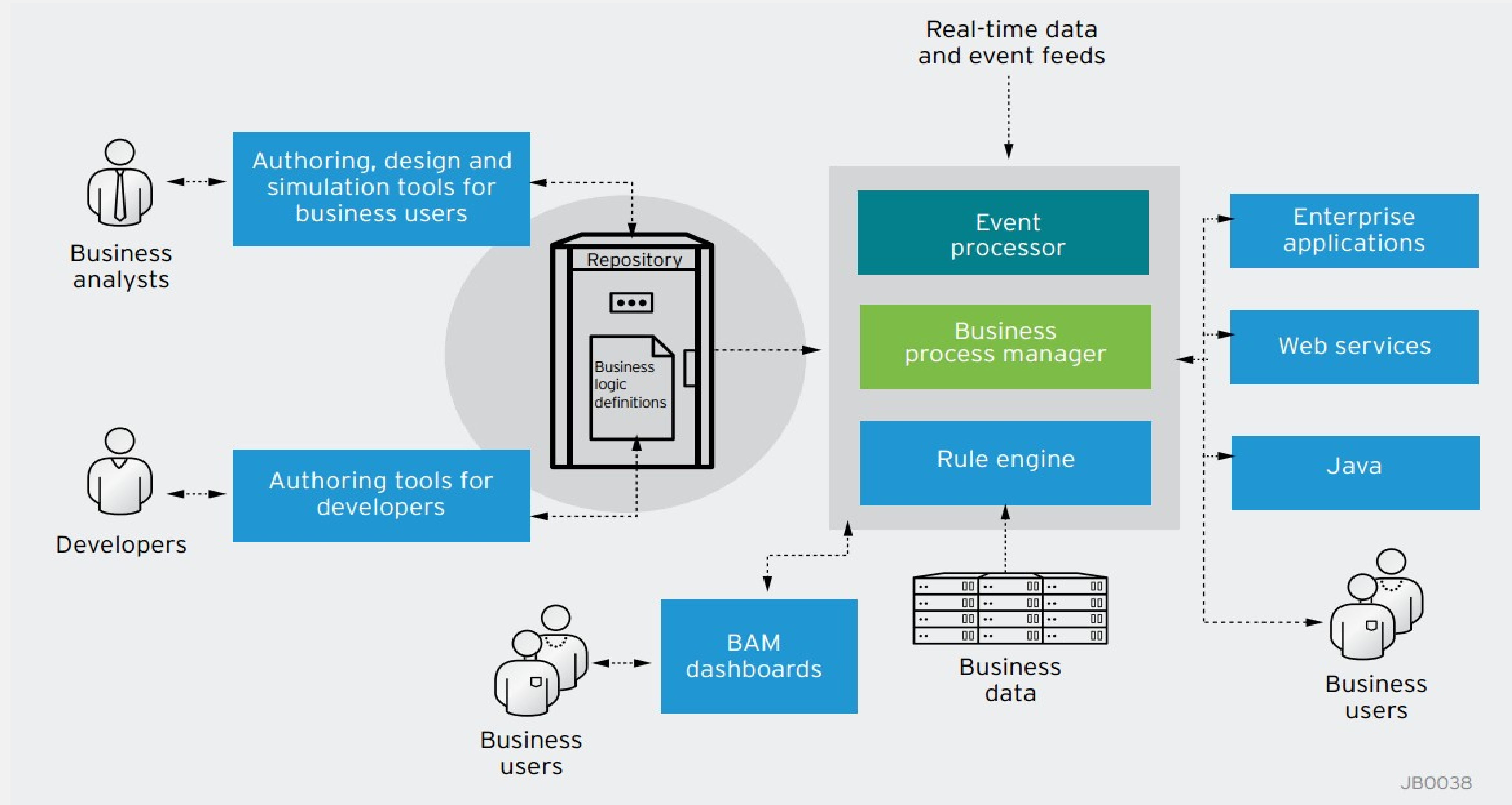
JBoss BPM Suite Solution



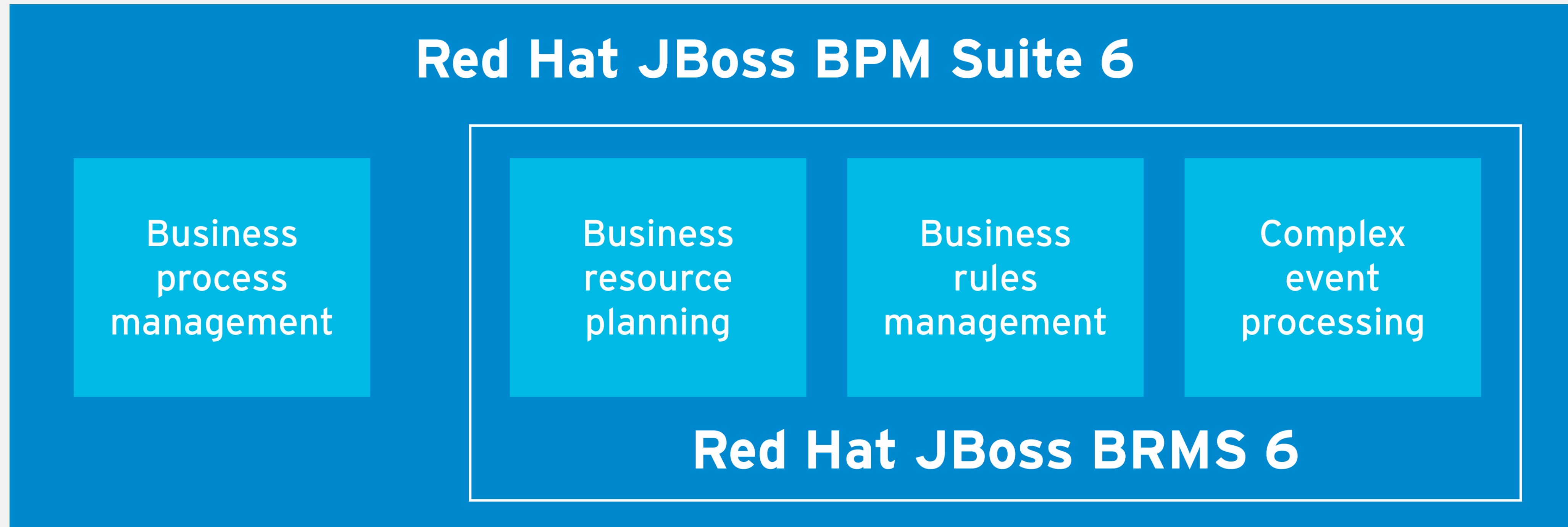
JBoss BPM Suite Solution



JBoss BPM Suite



Two Products, Four Technologies



Benefits



**Automate
business operations
with intelligent
decision support**



**Optimize
business operations
with real-time BAM, analytics,
simulation and recommendation**



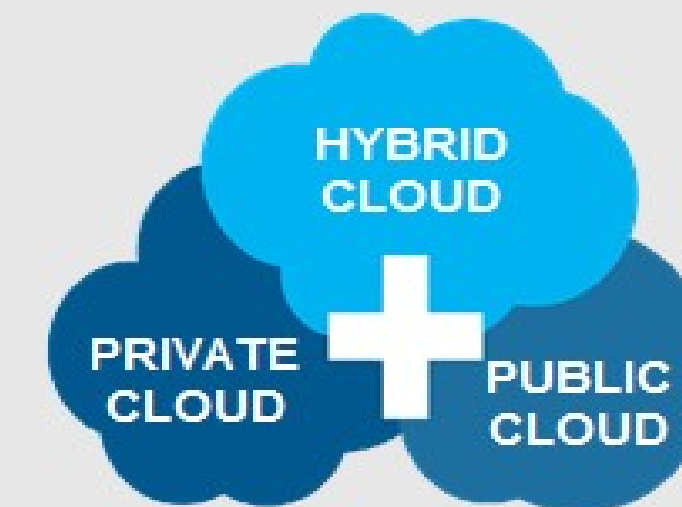
**Accelerate
application development
with model-driven
design and integration**



**Empower
business users to
take control of operations**

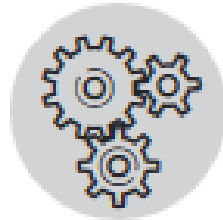


**Collaborative working
during the entire process life cycle
and beyond the Enterprise**



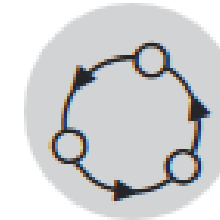
**Deploy
in the Cloud
with BPM PaaS**

Why Automate with JBoss?



Improve operational efficiency

3 key technologies—BPM, BRM, and complex event processing (CEP)—combine to automate a wide range of end-to-end business processes.



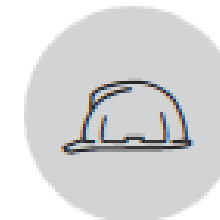
Become more agile

JBoss BPM Suite makes business logic visible and understandable to business and IT users alike, empowering them to collaborate and manage change effectively.



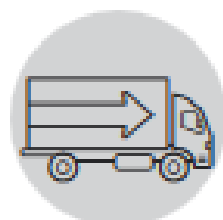
Get started quickly

JBoss BPM Suite is easy to set up and integrate with your IT infrastructure. It's compatible with OpenShift by Red Hat for self-service provisioning within private, public, and hybrid clouds.



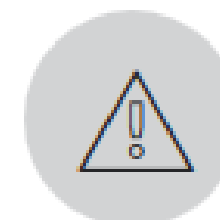
Continuously improve

Analytic capabilities pinpoint inefficiencies and bottlenecks, allowing processes to be improved over time.



Reduce time to market

Intuitive tools make it easy to introduce new products and services quickly, without lengthy development cycles for new applications.



Reduce business risk

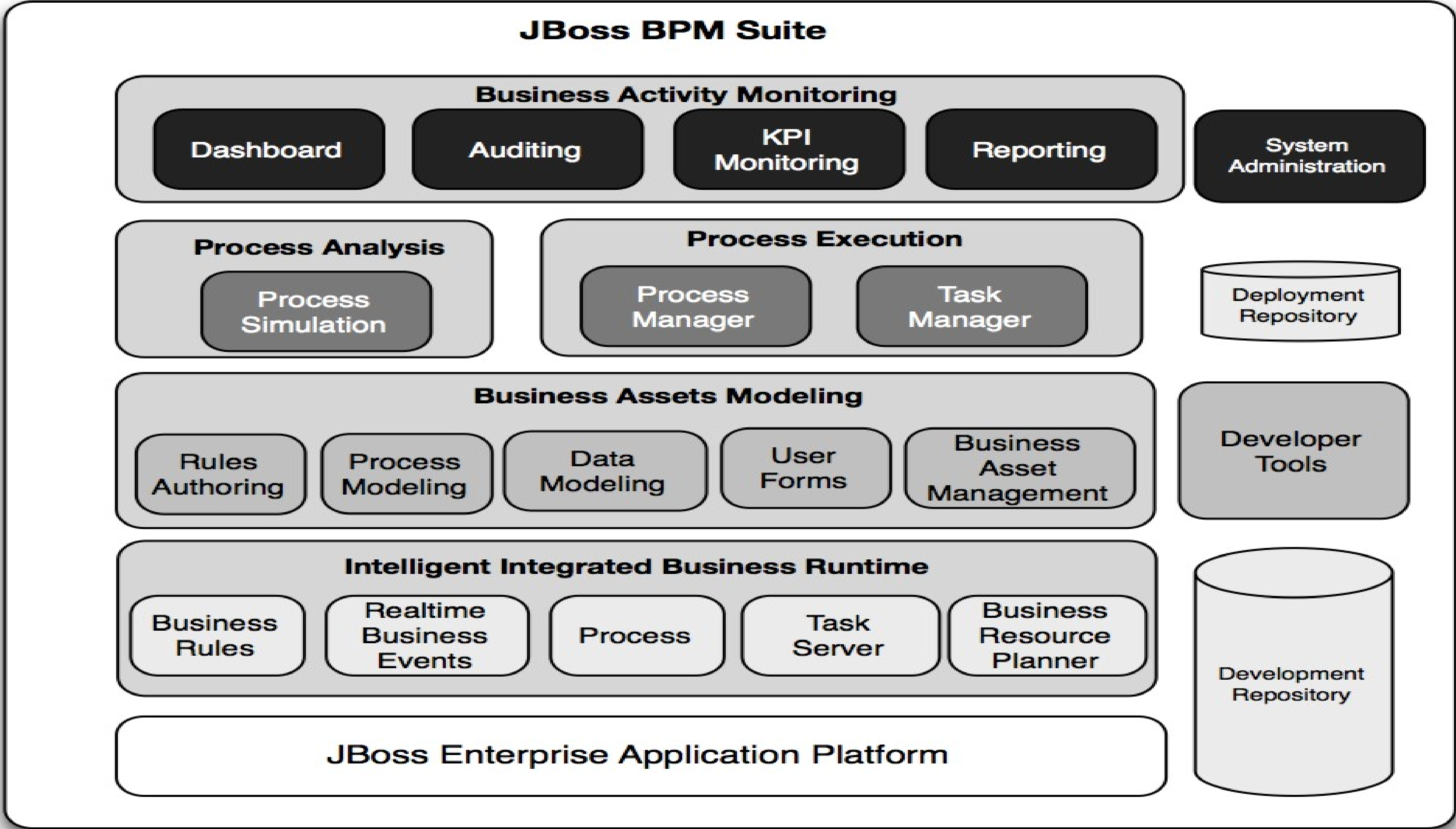
JBoss BPM Suite is fully open source, based on open standards, and backed by enterprise support from Red Hat. You're never locked in.

JBoss BPM Suite Technology

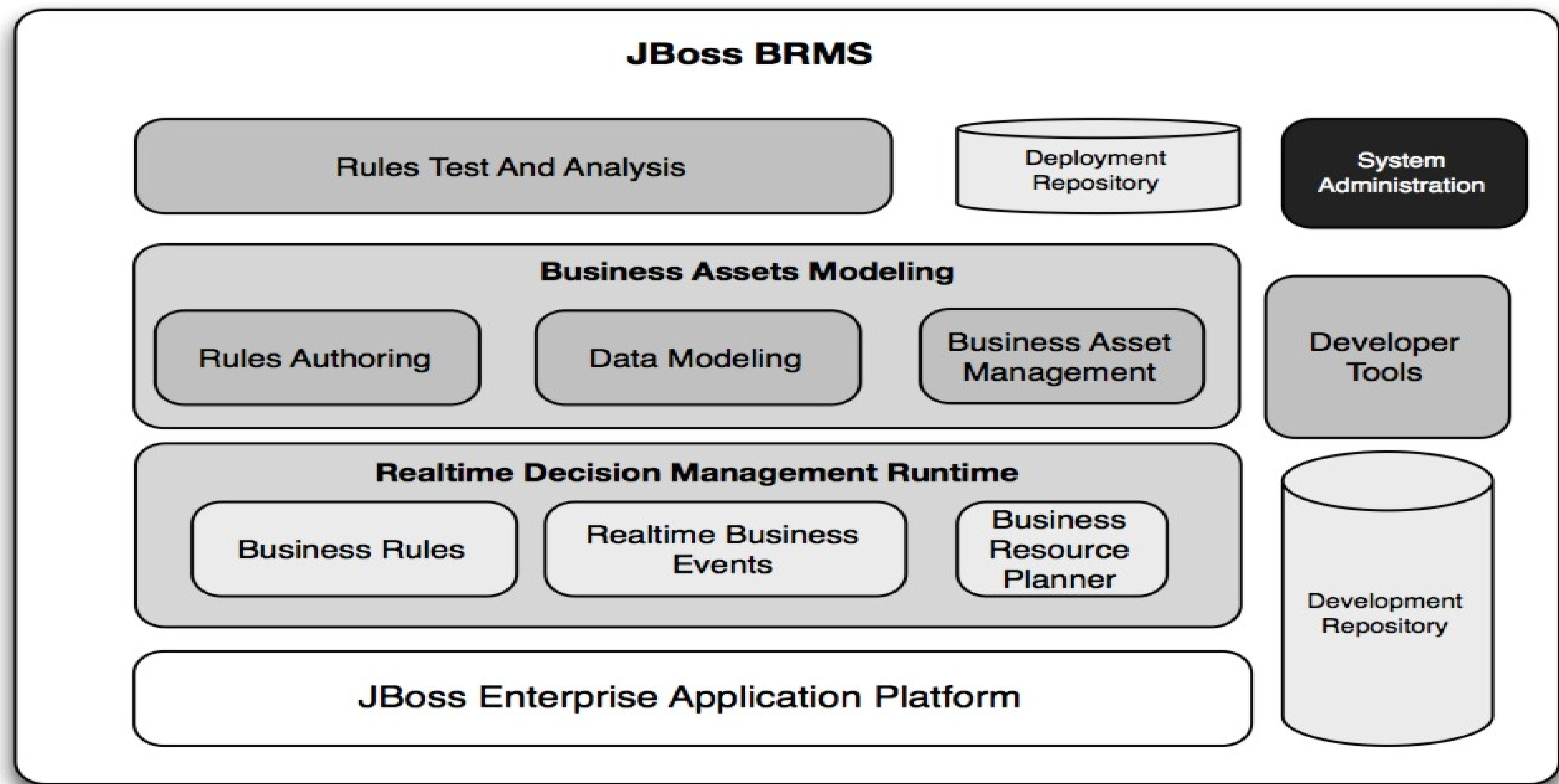
Prakash Aradhya

Platform Refresher

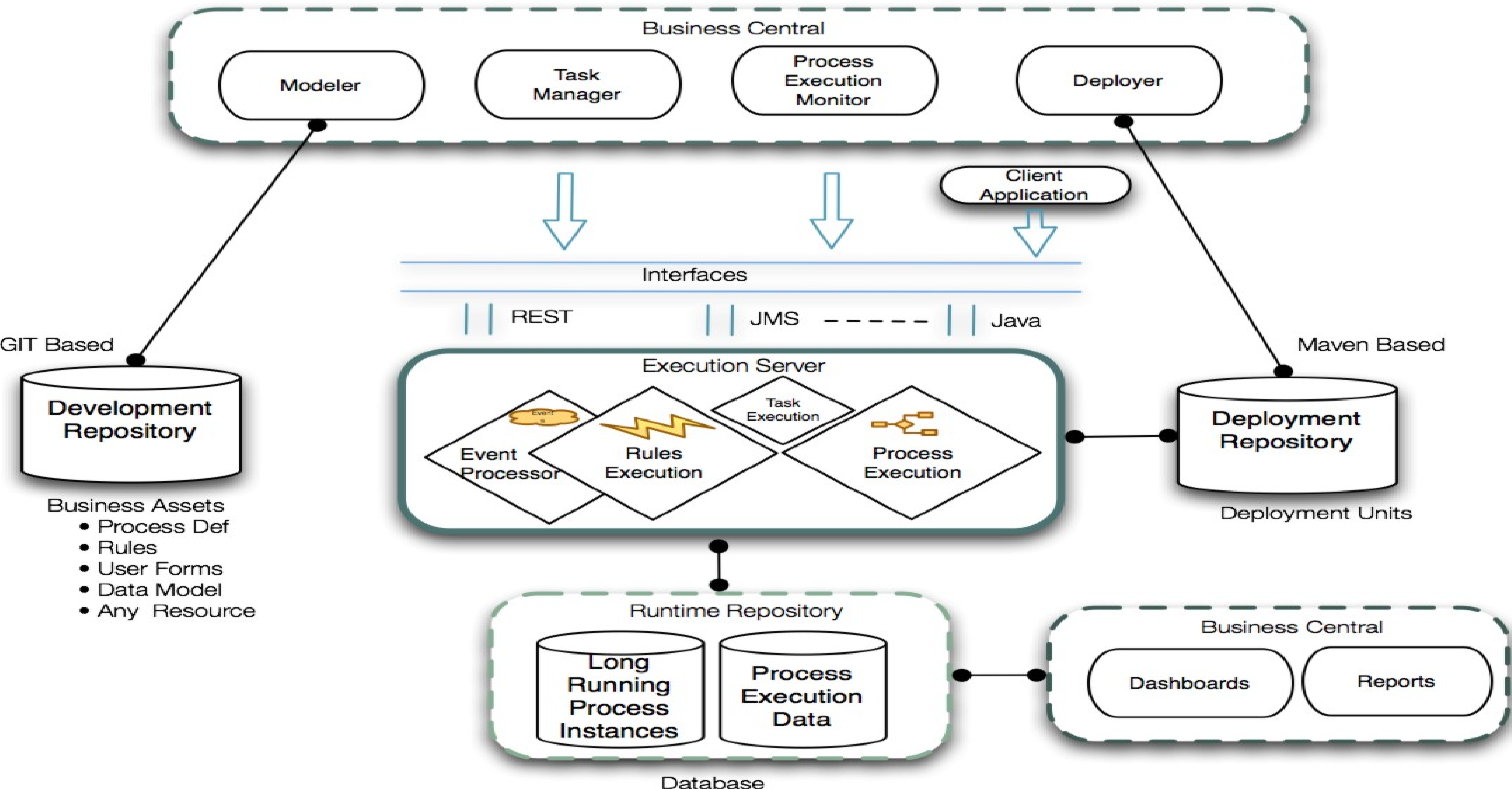
JBoss BPM Suite – Components



JBoss BRMS - Components

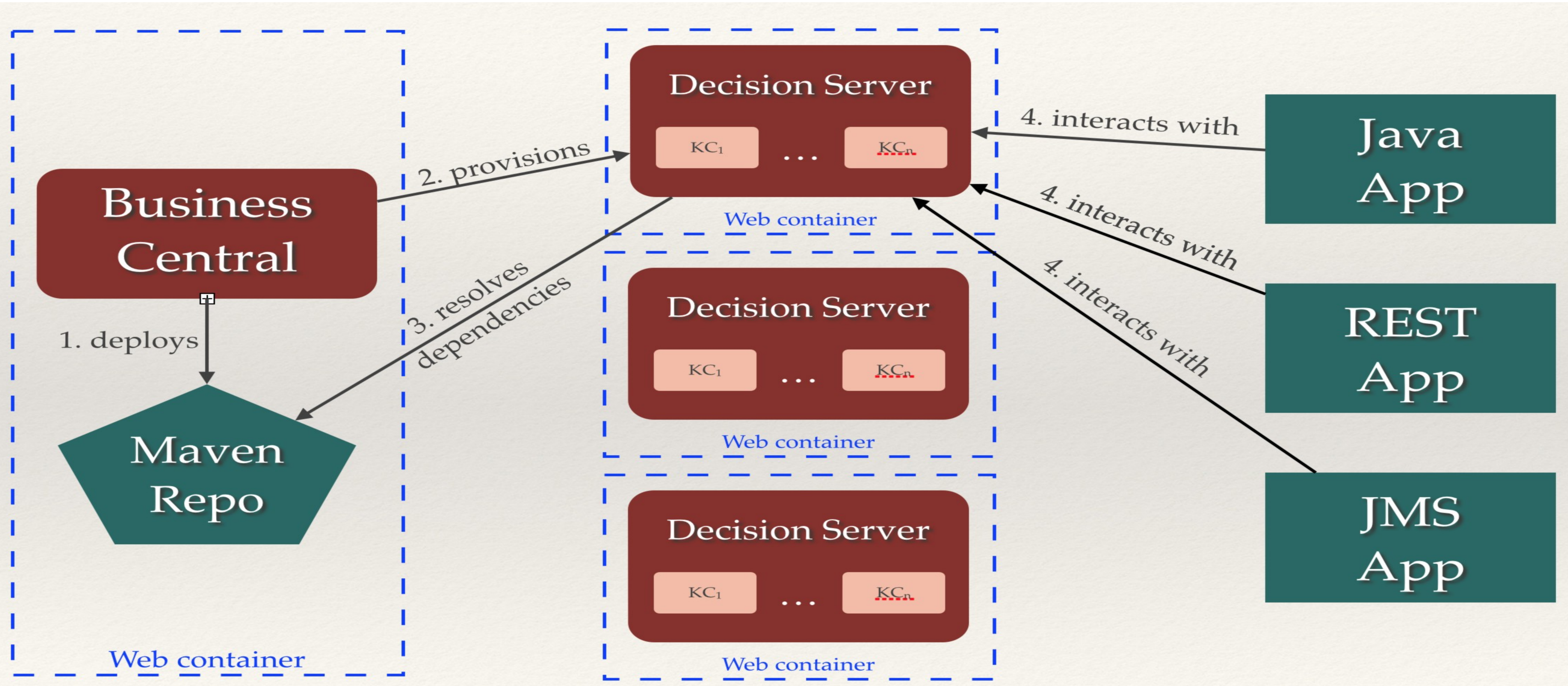


BPM Suite Architecture

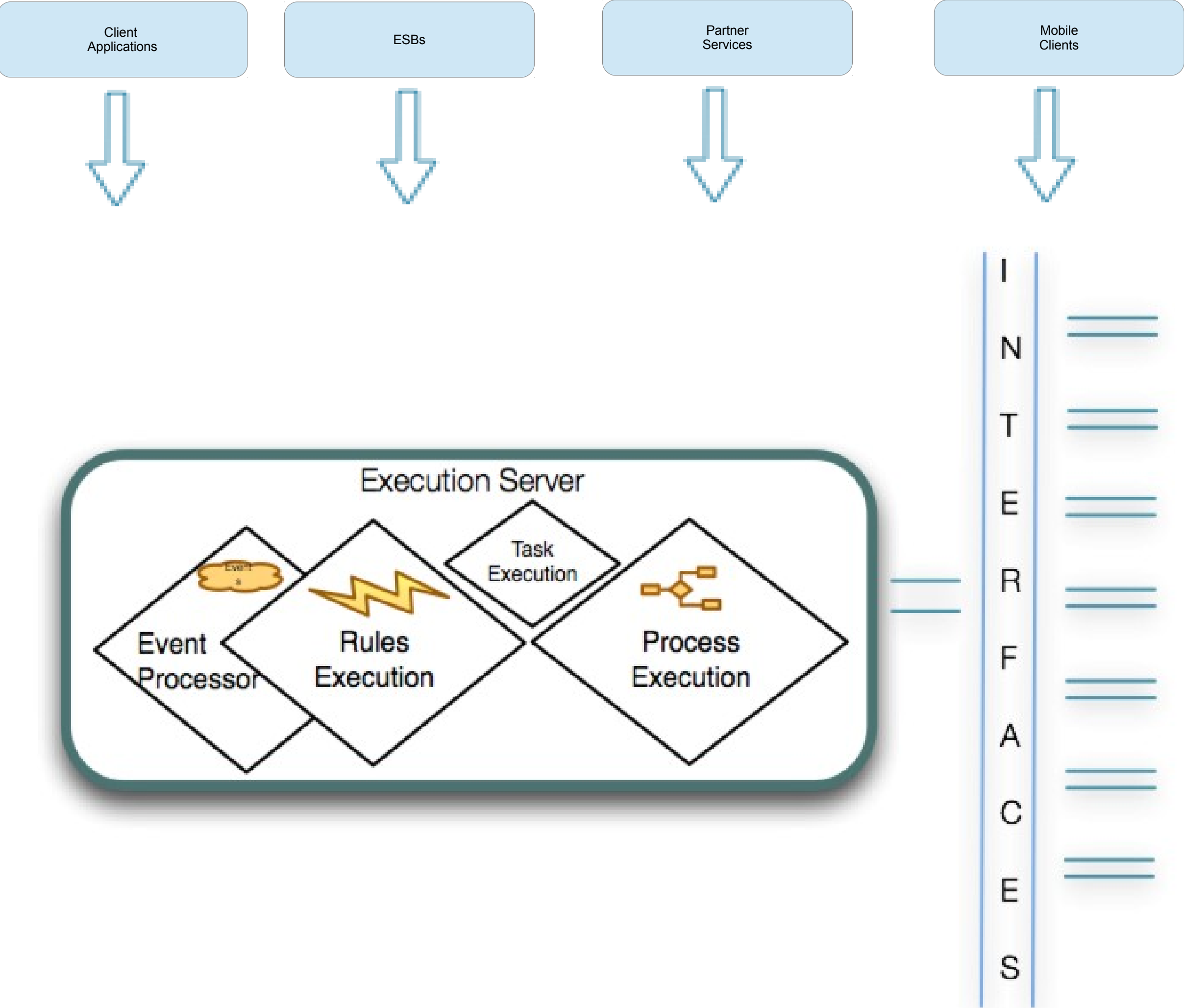


New in 6.1 Release

Realtime Decision Service – Rules Execution Server

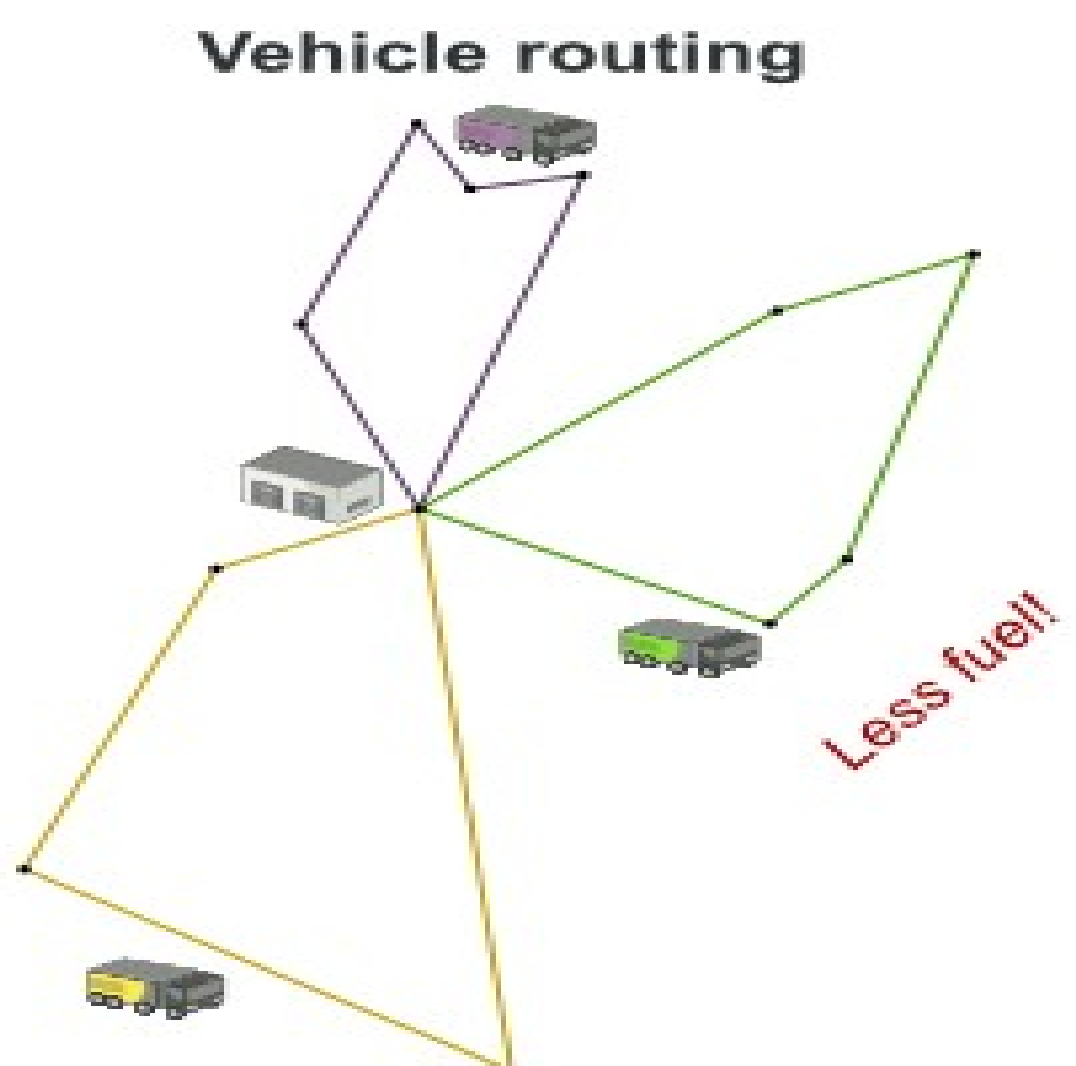


Core Services: Execution Server



- Centralized Execution Server
- REST, JMS and Native Java Interfaces out of the box
- Native Java Client that interfaces through REST
- Cluster-able, Scalable Server

Business Resource Planner – Full Support



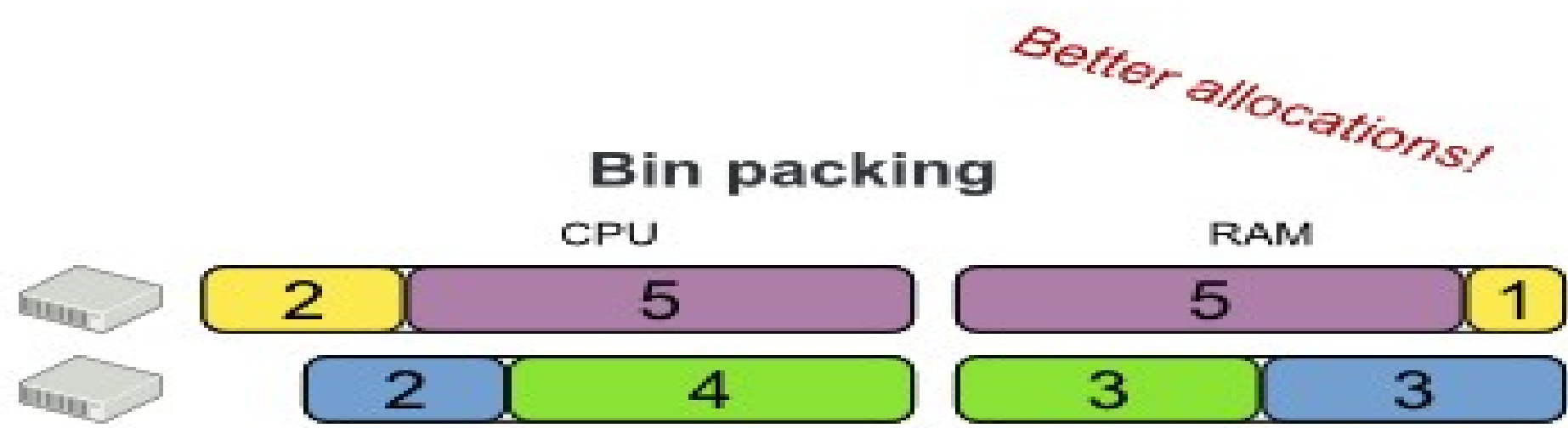
Equipment scheduling

	November						
	1	2	3	4	5	6	7
Thing 1	B 1-2		E 2-4		C 4-7		
Thing 2	D 1-3		F 3-5		A 5-7		

More assignments!

OptaPlanner

Do more business
with less resources

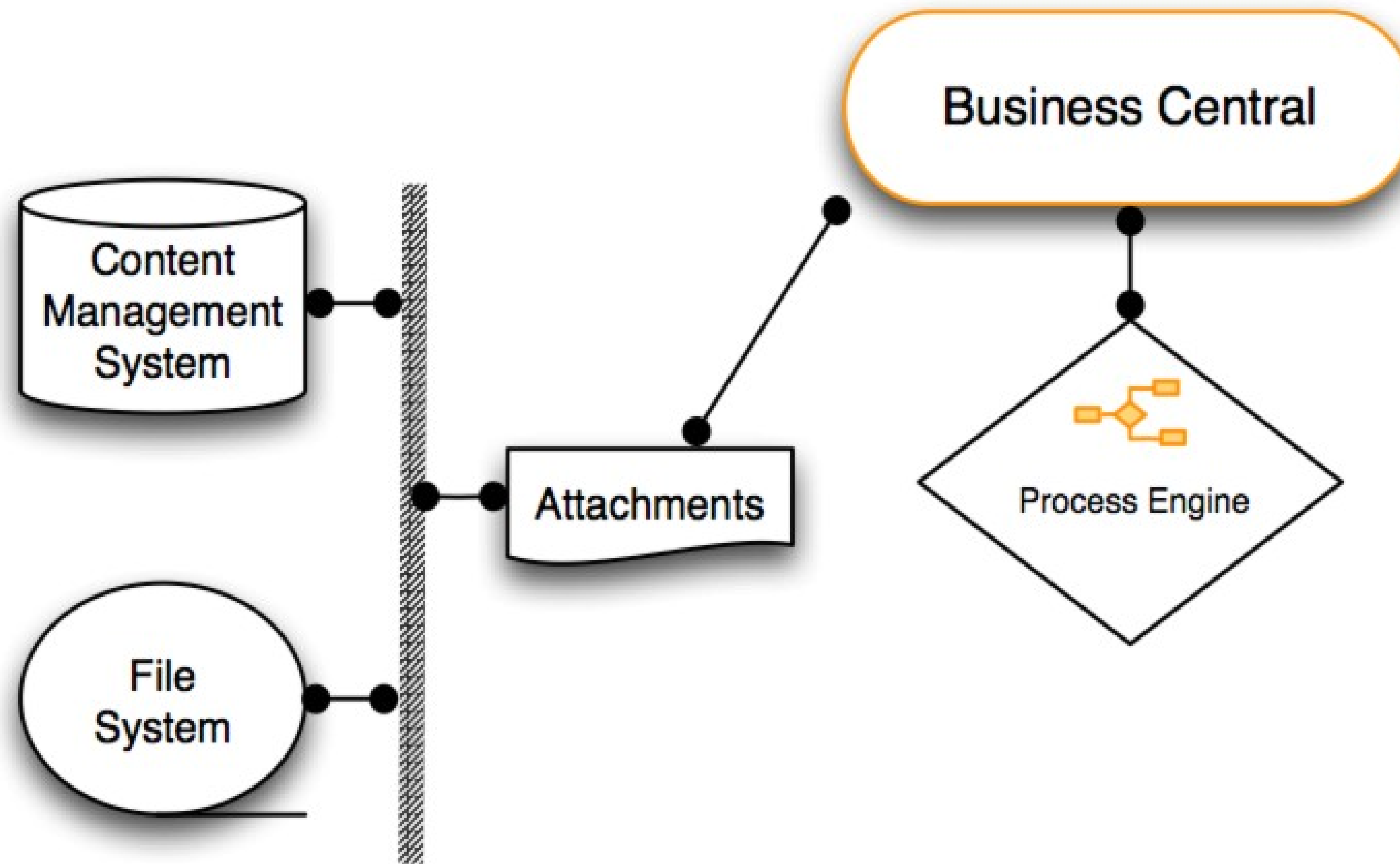


Employee rostering

	Sat			Sun			Mon		
	6	14	22	6	14	22	6	14	22
Employee 1		L		L			Free		
Employee 2	E			Free				L	
Employee 3	N			Free			Free		
Employee 4	Free			E			E		
Employee 5	Free		N				N		

Happier employees!

Form Attachments Management



- Design attachments in Task Forms
- Attach docs to Forms
- Interface with any CMS systems
- Default storage with filesystems

New Asset Overview

Project Explorer

demo / uf-playground / mortgages

<default>

org

mortgages

DRL

DOMAIN SPECIFIC LANGUAGE DEFINITIONS

ENUMERATION DEFINITIONS

GUIDED DECISION TABLES

GUIDED RULES

Bankruptcy history

No bad credit checks

no NINJAs

ReglaRestored

Underage

GUIDED RULES (WITH DSL)

CreditApproval

RegexDslRule

JAVA SOURCE FILES

Underage.rdr1 - Guided Rules

SaveDeleteRenameCopyValidateLatest Version

Type:Guided Rules

DescriptionNo description yet - what does this rule do?

Used in projectsmortgages

Last modifiedBy/admin on 2014-09-02 17:58

Created on:By/Walter Medvedeo on 2013-09-18 15:54

Version history

Metadata

Current

Select

Select

	Date	Commit Message	Author
	Tuesday, 2014 Sep...	Applicant age chan...	admin
	Tuesday, 2014 Sep...	Applicant age chan...	admin
	Wednesday, 2013 ...	project refactoring t...	Walter Medvedeo

Comments

admin:
"Age should be change to 23 "
2014-09-02 10

Version 1

by Walter Medvedeo on 2013-09-18 15:54

project refactoring to use mortgages package

Version 2

by admin on 2014-09-02 17:56

Applicant age changed to 22

Version 3

by admin on 2014-09-02 17:58

Applicant age changed to 23

Editor

Overview

Source

Config

Data Modeler Updates

- Overview and Version History
- Ability to view and Edit the source
- Round trip between source and UI
- Smart Usage Detection: Identifies all assets using the DataObject

Usages Detected





Class: *org.mortgages.Applicant* is being used in the following files, do you still want to delete it?

Name	Path
CreditApproval.rdslr	default://master@uf-playground/mortgages/...
RegexDslRule.rdslr	default://master@uf-playground/mortgages/...
credit ratings.enumeration	default://master@uf-playground/mortgages/...
ApplicantDsl.dsl	default://master@uf-playground/mortgages/...
No bad credit checks.rdr1	default://master@uf-playground/mortgages/...
Underage.rdr1	default://master@uf-playground/mortgages/...
NINJAs.scenario	default://master@uf-playground/mortgages/...

☐ Yes, Delete Anyway

Collaboration Features

Recent Assets

	anotherDRL.drl	edited today
	sampleDrl.drl	edited today
	Finance.java	added today
	Finance.java	edited today

Latest Changes

Showing updates for: Latest Changes

-  [Finance.java](#)
 -  [admin](#) added 05/09/2014 11:48:52
 -  [admin](#) edited 05/09/2014 11:49:35 "JIRA[1234]"
-  [sampleDrl.drl](#)
 -  [director](#) edited 05/09/2014 11:47:15 "JIRA[123]"

Eder Ignatowicz's Profile

search users...



User name:admin

E-mail: ignatowicz@gmail.com

[Edit my infos](#)

Eder Ignatowicz's Recent Activities

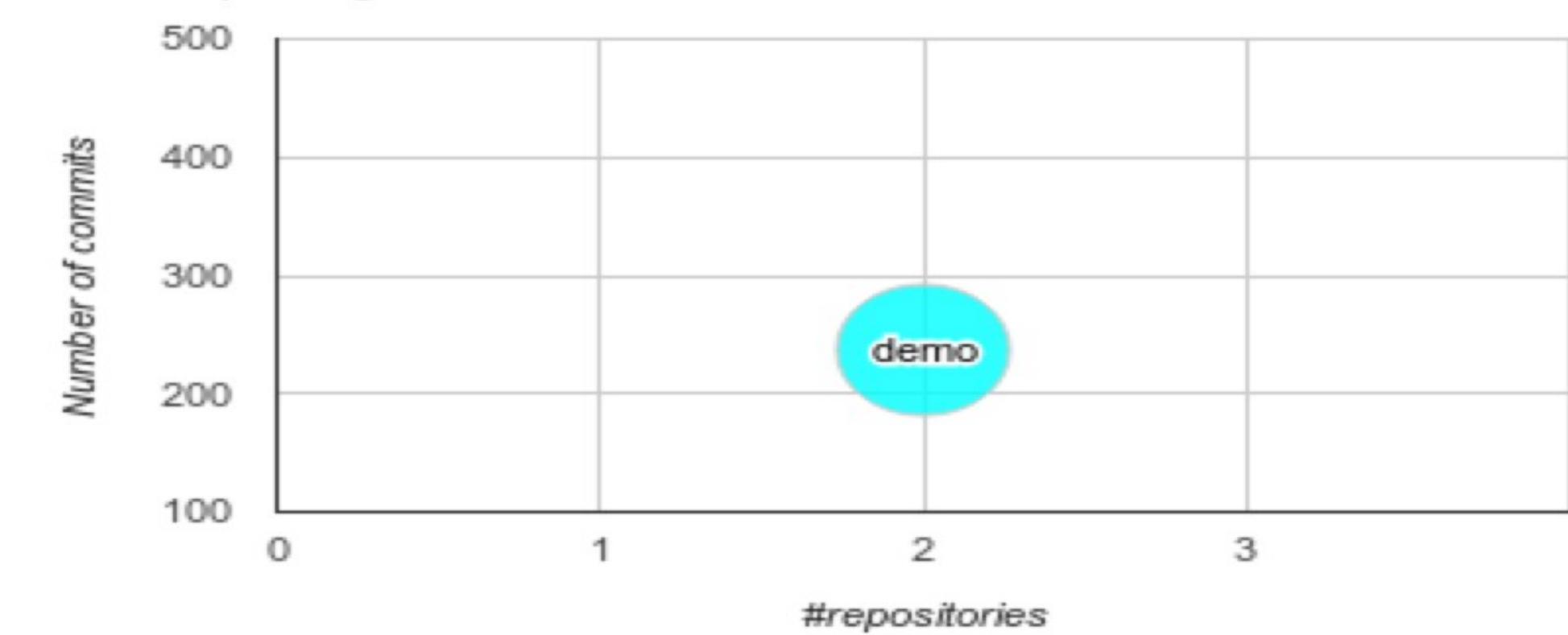
Connections:

		anotherDRL.drl	edited today
		sampleDrl.drl	edited today

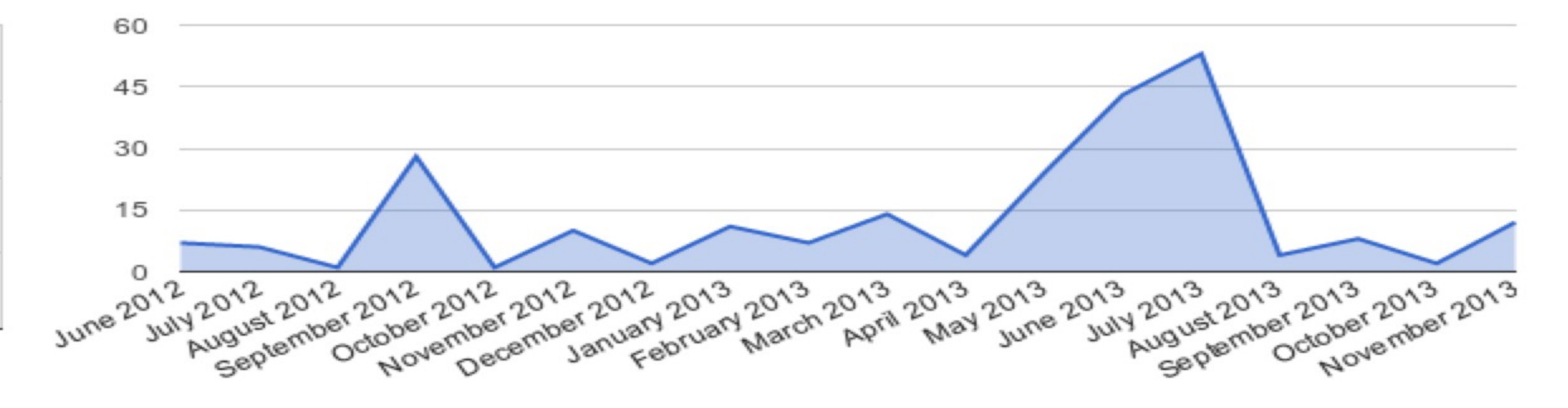
Collaboration Dashboard

Contributors

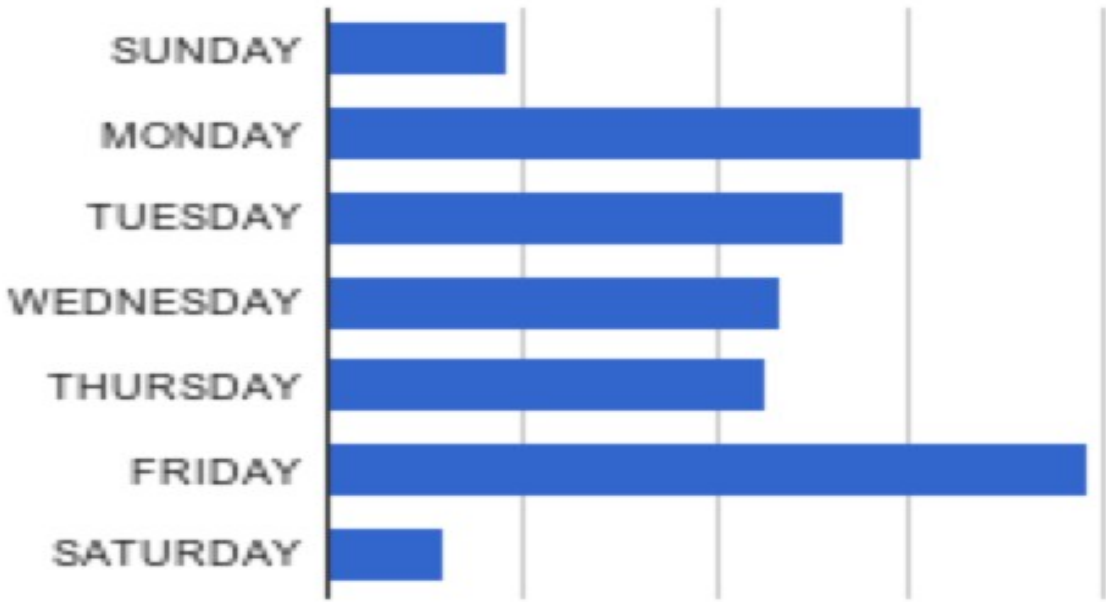
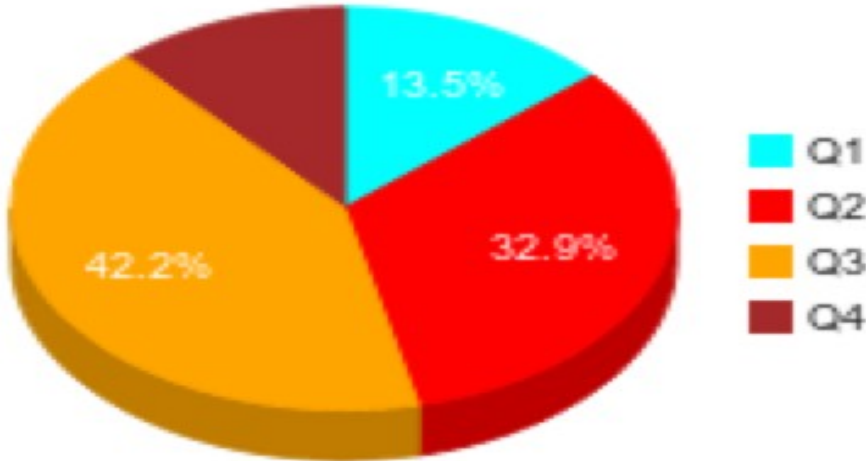
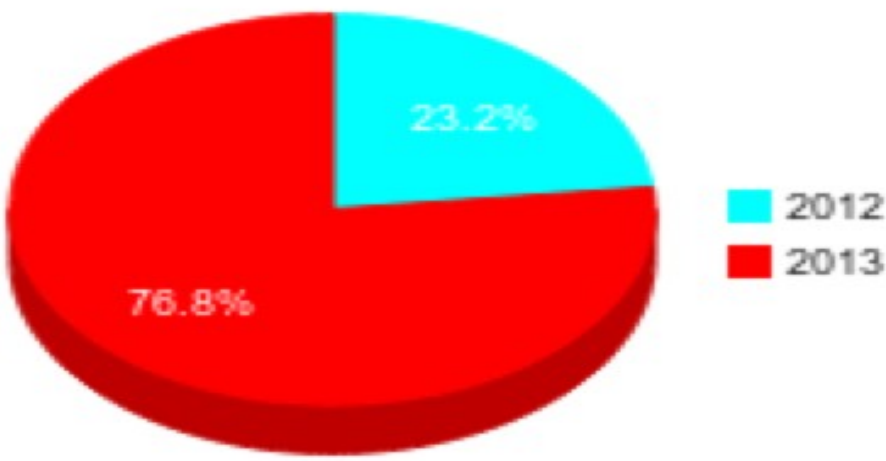
Commits per organization



#Commits evolution



- Select Organization -
- Select Repository -
- Select Author -
- Select Top Contributor -



Author	Repository	Date	Commit
David Gutierrez	jbpm-playground	2013 Nov 22 17:22:35	delete {/Evaluation/.pom.xml}
Administrator User	jbpm-playground	2013 Nov 22 17:22:35	hjk

Deployment Provisioning Governance - TP

- Set up Repository as Managed
- Perform Operations
 - Asset Promotion
 - Branch Creation
 - Project Release
- Built in workflows to manage governance

New Repository

- ✓ Basic Settings
- ✓ **Managed Repository Settings**

Repository Type:

- ☐ Single-project Repository
Create a single managed project in this repository. Use this option for simple or self-contained projects.
- ☒ Multi-project Repository
Integrate multiple projects to create a larger application. The projects in this repository will be managed together, and will all increment version numbers together.

Project Branches:

- ☒ Automatically Configure Branches (master/dev/release)

Project Settings:

* Name

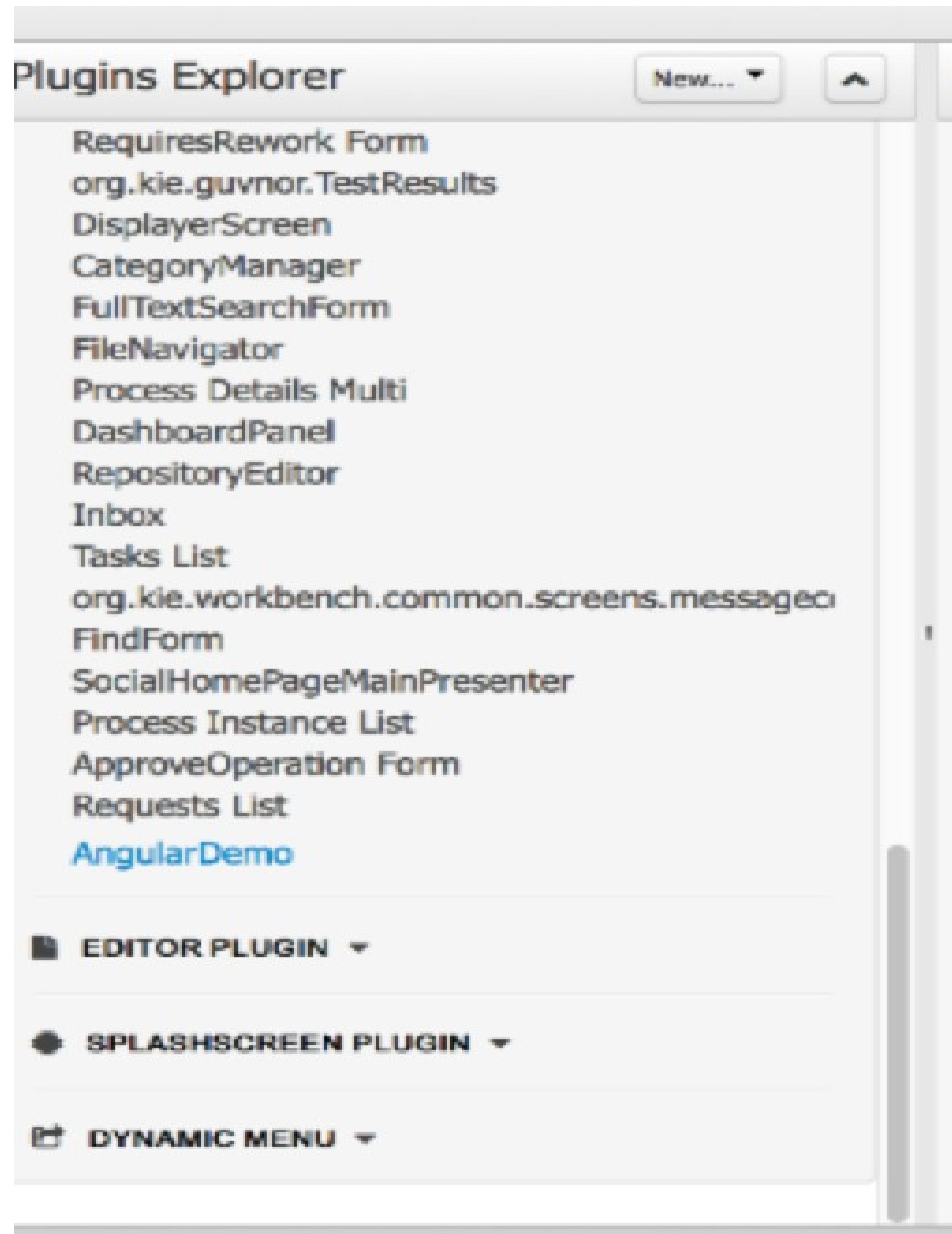
Description

* Group

* Artifact

* Version

Configurable Business Central



- Create custom components -
 - New Editors
 - New Dynamic Menu
 - New Splashscreen
- Create Plugin using APIs
- Build new Perspective either using drag and drop interface or programmatically

Configurable Business Central – Perspective Builder

Search...

Q

Plugins Explorer

New...

^

PERSPECTIVE PLUGIN ▾

PERSPECTIVE LAYOUT PLUGIN ▾
SampleLayout

SCREEN PLUGIN ▾

EDITOR PLUGIN ▾

SPLASHSCREEN PLUGIN ▾

DYNAMIC MENU ▾

Perspective Editor [SampleLayout]

Save Delete Rename Copy Tags ✕ ▾ ^

Container

Row

✕ Remove

Column

Configure Remove

Sales Results

Column

Configure Remove

Row

✕ Remove

Column

Configure Remove

Region	Sales Value (approx.)
Asia	4,500,000,000
Africa	1,500,000,000
North America	1,250,000,000
South America	1,250,000,000
Europe	1,000,000,000
Oceania	50,000,000

Grid System

Components

Screen Component

+

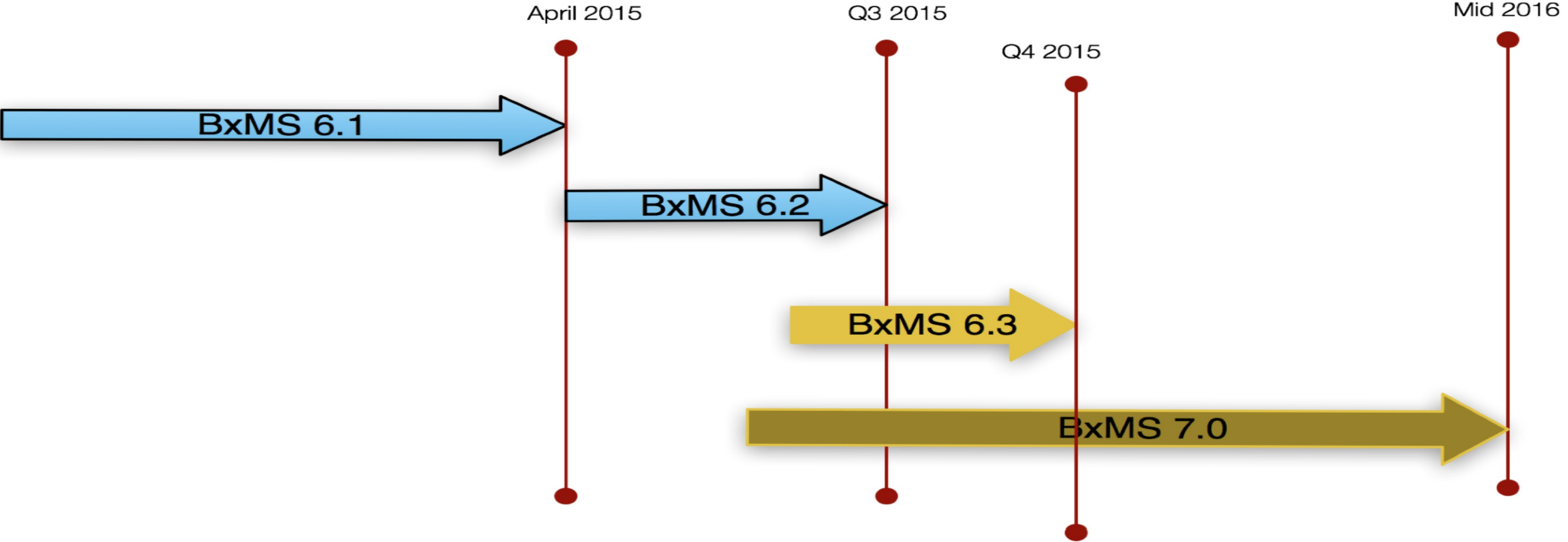
HTML Component

+

DisplayerScreen

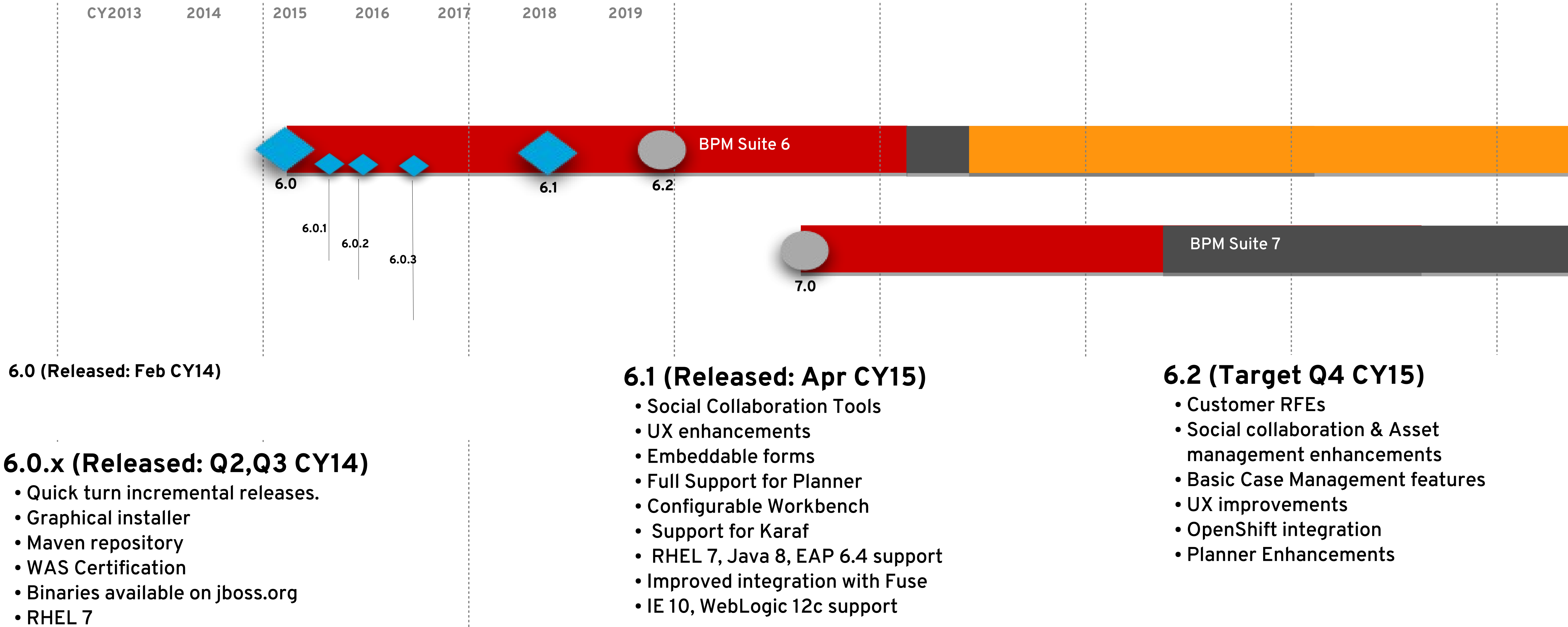
+

Next 2 years....



JBOSS BPM SUITE ROADMAP

Subject to Change



JBoss BPM Suite Futures

Mark Proctor

RED HAT **SUMMIT**

**LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.**