

JBOSS ENTERPRISE BRMS

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AGENDA

- What is?
- Overview
- Competitors
- JBoss Competitive Differentiation
- Deployment options
- BPM Basics
- Process modeling
- Highlights
- Repository
- Managment
- jBPM3 → jBPM5
- Rules engine
- Tools options
- CEP Models
- Rules creation options

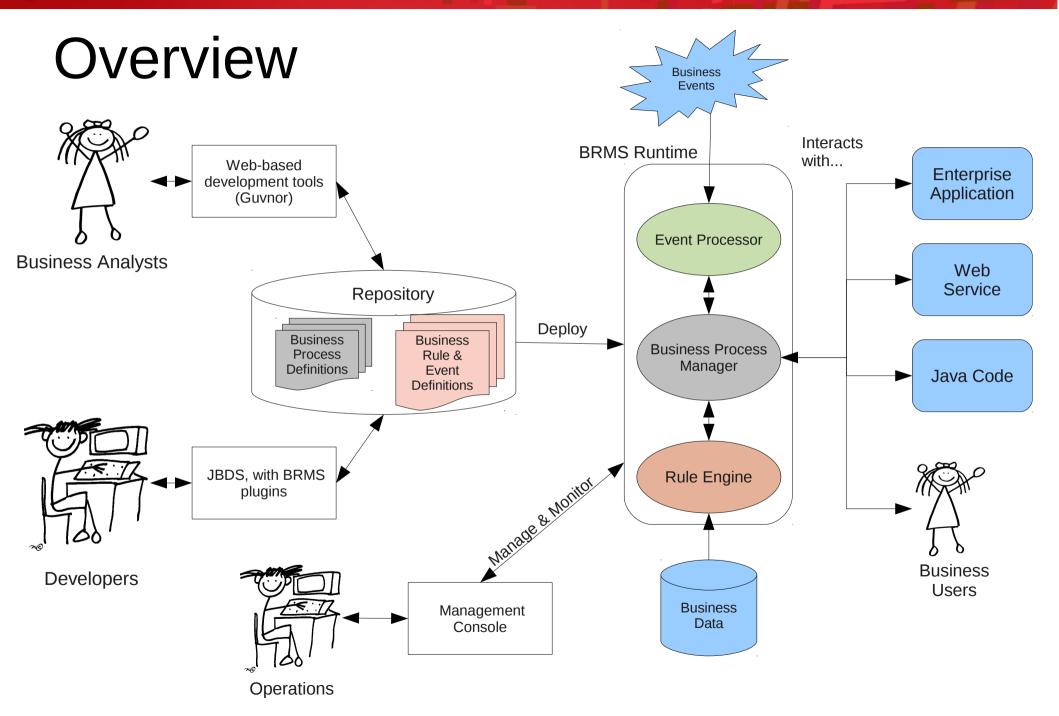


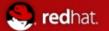
BRMS – What is?

A Single Distribution for Business Rules, Business Process and Complex Event Processing...









Competitors



IBM (WODM, Lombardi BPM)

- Top down sales, beginning with CEO/CFO driven by services
- Considered feature rich but very expensive to implement
- We win with developers and are challenging with Business Analysts



Progress (Corticon rules)

- Just announced re-org, divesting Savvion BPM
- Opportunity to target Savvion users
- Narrowing focus to rules & events for financial trading



PegaSystems PegaRules

- Sells BPM and Business Process Automation
- Complex and expensive
- Heavy weight



Drools / jBPM JBoss.org

- Community version of BRMS, attracts developers
- Business execs and IT professionals deploying more complex solutions tend toward BRMS
- ROI and cost savings with BRMS subscription



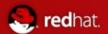
JBoss Competitive Differentiation

Strengths

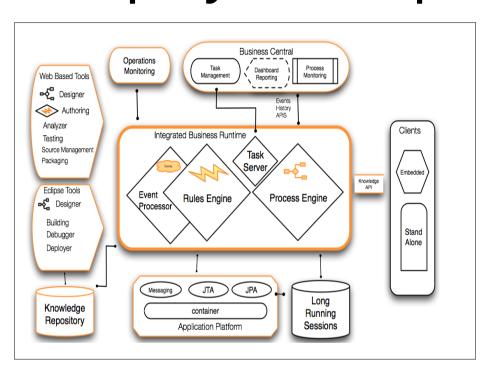
- JBoss BRMS is less than 2% the cost of IBM WODM
- Parity on significant functionality
- Single distribution with Business Rules, BPM and CEP
- Open, standards-based
- >Lightweight short time to value
- Short learning curve developers already using it

Weaknesses

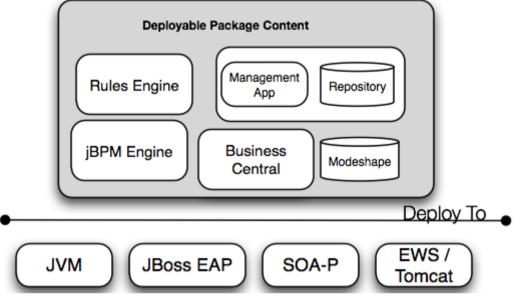
- >Usability for the business analyst
 - Simulation & verification / BAM & reporting
 - Docs



Deployment options

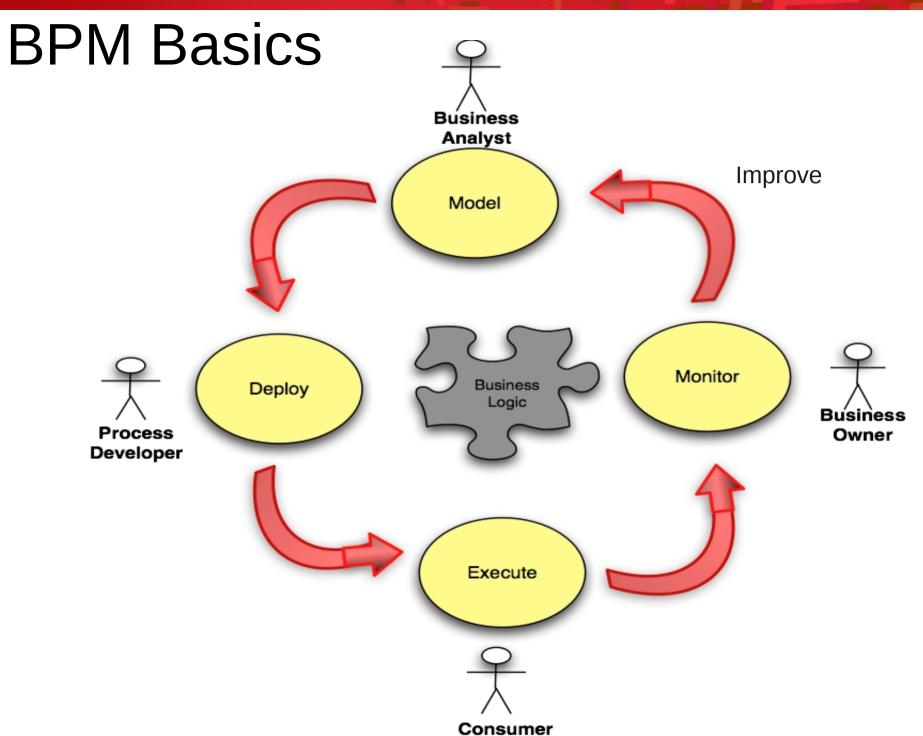


- Stand Alone Package
- Well integrated
- Best Out of the Box Experience



- Lightweight Package
- Flexibility of Container
- Deploy to lightweight containers like Tomcat

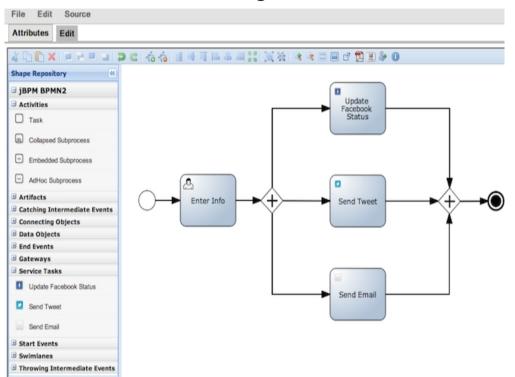




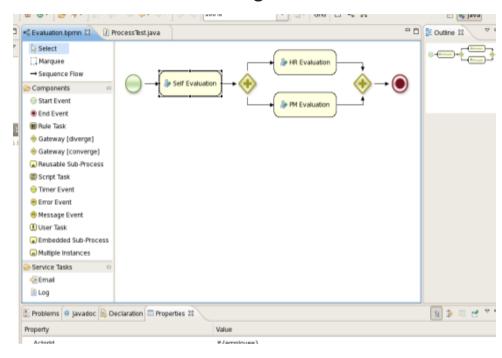


Process modeling

Web Based Modeling Tools



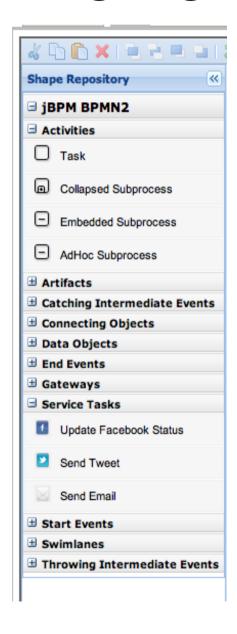
IDE Based Modeling Tools

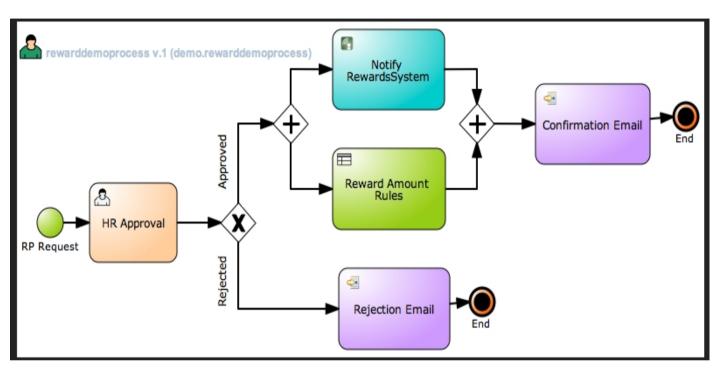


- Create BPMN2 Process Definition
- Common Design Time Repository Store, Manage, Version
- Create Process Definitions, Validate, Package, Deploy
- Develop Userforms, Integrate other Business Assets (rules etc)
- Import BPMN2 Definitions Developed by other tools



Highlights

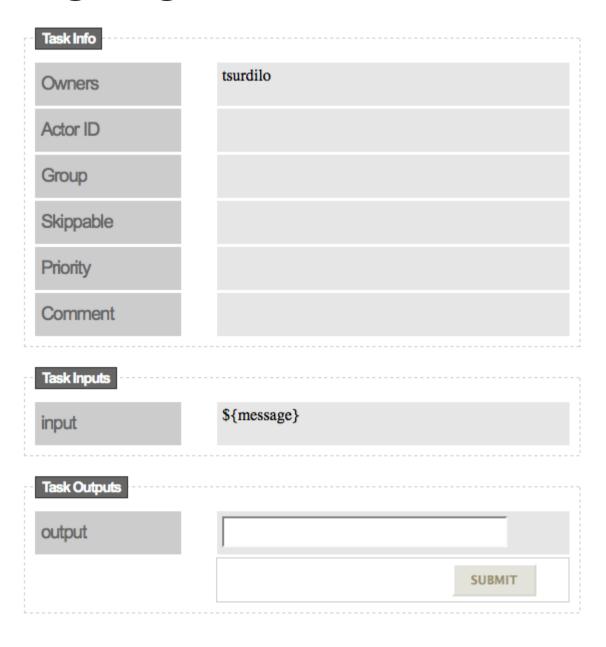




- Fully Integrated with BRMS Guvnor On-stop business modeling tool
- Rich set of BPMN2 elements Drag and drop on canvas
- Domain Specific Nodes Add your own tasks to the list
- Generate PDF or PNG documents of process definition
- Embeddable Designer Allows adopting designer in your own tool



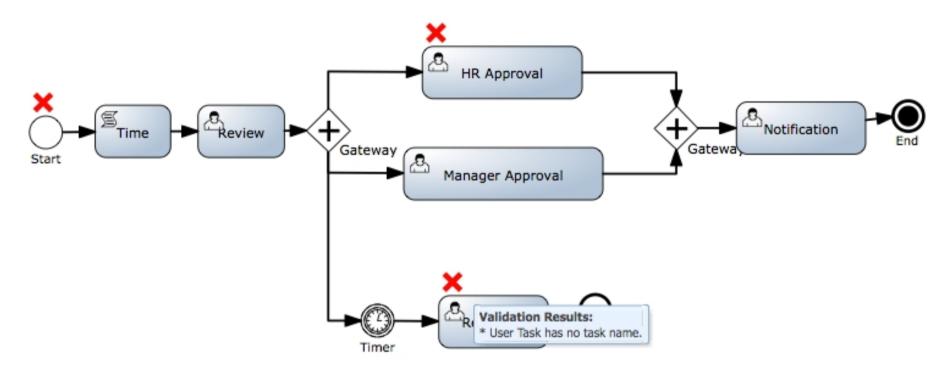
Highlights – User forms



- Create Task Forms and Process Forms in the designer
- Forms necessary for Workflow kick off and Human task inputs
- These forms are used when process instance is created – Business Central
- Inline editing within the process definition



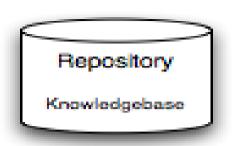
Highlights – Visual validation



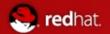
Visually validate the process definition before packaging



Repository



- Central Knowledge / Asset Repository
- Store Models, Process Def, Rule Def, Images, Anything Else
- Can store and manage any kind of assets
- Based on JCR 2.0
- Version Control
- Can also be accessed by WebDAV and HTTP
- New Access through REST
- Further persists to RDBMS

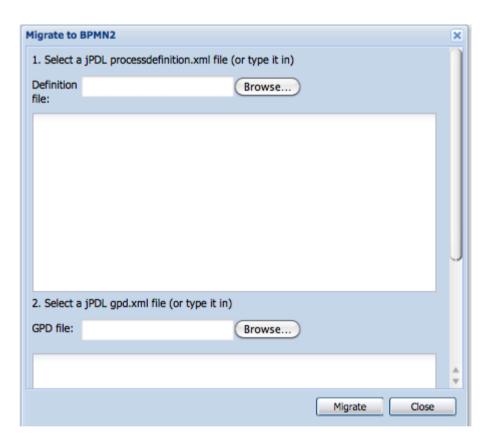


Managment

- Pluggable to JON
- Monitor long running sessions
- Monitor knowledgebase params for each KB
- View list of running sessions
- List of active rules in sessions
- For each rule session params
- Session params like
 - No. of facts
 - Total firing time
 - Avg firing time
 - Total activations



jBPM 3 → 5 tools

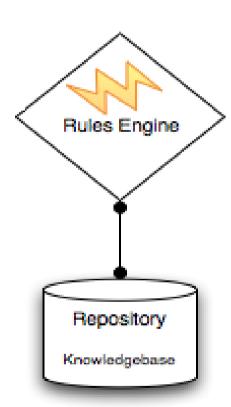


- Not a Supported feature of the product.
- Community Supported Migration Tool https://github.com/droolsjbpm/jbpmmigration



Rules engine



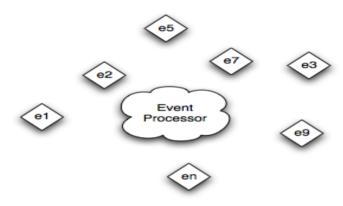


- Support Inference
- Implements ReteOO algorithm
- Embeddable, lightweight
- Highly performant
- Scalable and most stable
- Supports Declarative Programming



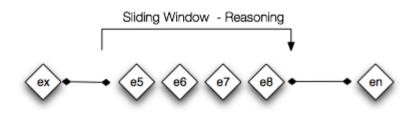
CEP Models

Cloud Mode



- Default Mode All facts and events are loaded before reasoning
- Many to many pattern matching by the engine
- No notion of flow of time, no clock synchronization
- Ordering is not required
- Event lifecycle managed by user
- Sliding window is not needed

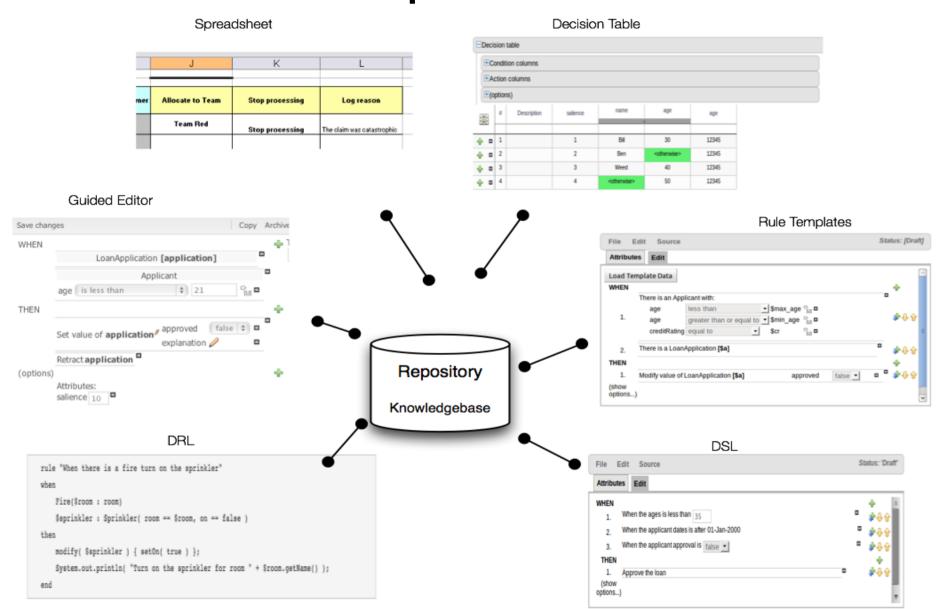
Stream Mode



- Events must be time-ordered
- Engine synchronizes between streams using session clock
- Engine applies the notion of flow
- Engine manages the event lifecycle
- Sliding window option could be used
- Negative patterns could be used. Ex. Fire detected, no sprinkler turned on in 10 sec sound alarm



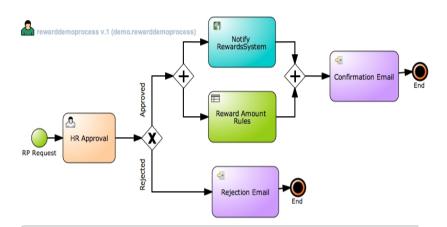
Rule creation options

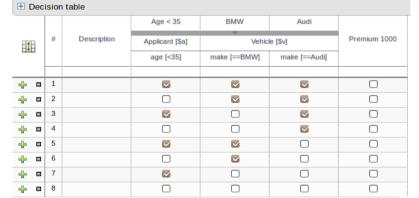




Tools options

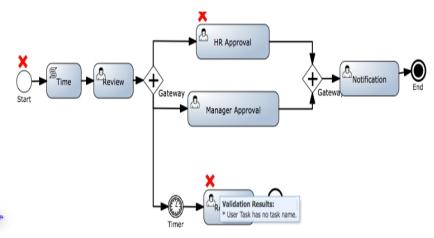
Business User Friendly – Web Based

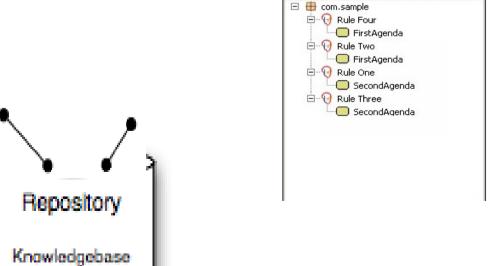




Developer Friendly – IDE Based

₽ Outline ⊠







Questions?

