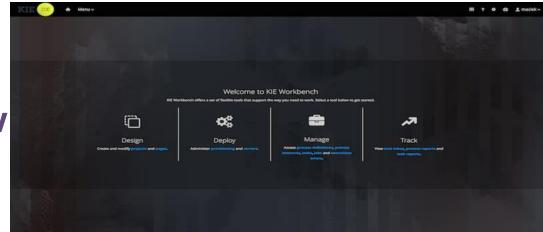


jBoss BPM Overview





Agenda



WHAT DOES JBPM DO?

03 KIE WORKBENCH

04 AUTHORING

05 DATA MODELER

06 FORM MODELER

09

07 SIMULATION

08 PROCESS DEFINITIONS

PROCESS INSTANCES



Agenda

10 TASK LIST

11 EXECUTION ERRORS

12 METRICS

13 ECLIPSE

14 QUIZ

15 CONCLUSION



What is jBPM?

What is jBPM?



- jBPM is a flexible Business Process Management (BPM) Suite.
- It makes the bridge between business analysts and developers.
- Traditional BPM engines have a focus that is limited to non-technical people only.
- jBPM has a dual focus: it offers process management features in a way that both business users and developers like it.



What does jBPM do?

What does jBPM do?



- A business process allows you to model your business goals by describing the steps that need to be executed to achieve that goal and the order, using a flow chart.
- This greatly improves the visibility and agility of your business logic, results in higher-level and domain-specific representations that can be understood by business users and is easier to monitor.
- The core of jBPM is a light-weight, extensible workflow engine written in pure Java that allows you to execute
 business processes using the latest BPMN 2.0 specification. It can run in any Java environment, embedded in
 your application or as a service.
- On top of the core engine, a lot of features and tools are offered to support business processes throughout their entire life cycle:
 - Eclipse-based and web-based editor to support the graphical creation of your business processes (drag & drop).
 - Pluggable persistence and transactions based on JPA / JTA.
 - Pluggable human task service based on WS-HumanTask for including tasks that need to be performed by human actors.
 - Management console supporting process instance management, task lists and task form management, and reporting.
 - Optional process repository to deploy your process (and other related knowledge).
 - History logging (for querying / monitoring / analysis).
 - · Integration with Seam, Spring, OSGi, etc.

What does jBPM do?



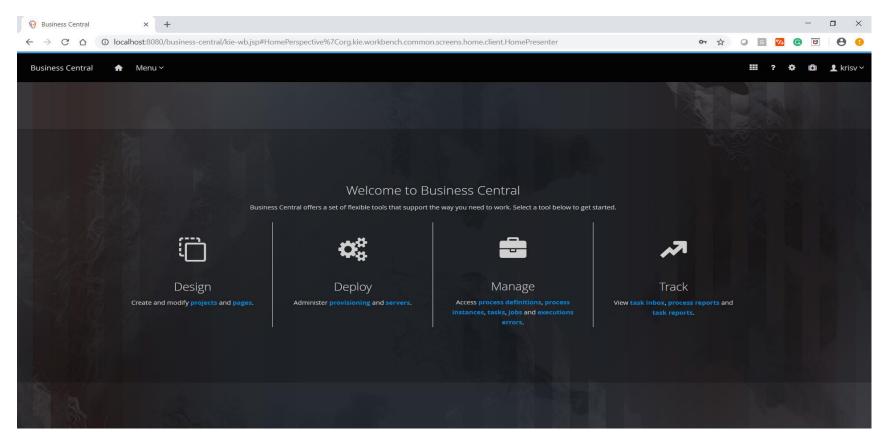
- BPM makes the bridge between business analysts, developers and end users, by offering process management features and tools in a way that both business users and developers like it. Domain-specific nodes can be plugged into the palette, making the processes more easily understood by business users.
- jBPM supports adaptive and dynamic processes that require flexibility to model complex, real-life situations that cannot easily be described using a rigid process. We bring control back to the end users by allowing them to control which parts of the process should be executed, to dynamically deviate from the process, etc.
- jBPM is also not just an isolated process engine. Complex business logic can be modeled as a combination of business processes with business rules and complex event processing. jBPM can be combined with the Drools project to support one unified environment that integrates these paradigms where you model your business logic as a combination of processes, rules and events.



KIE Workbench

KIE Workbench



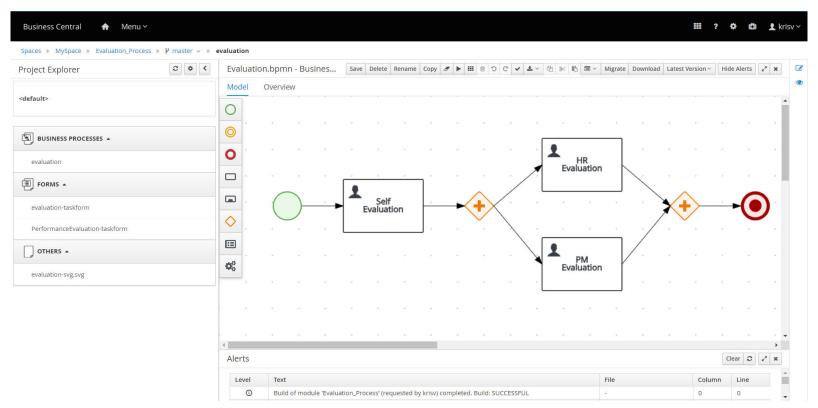




Authoring

Authoring



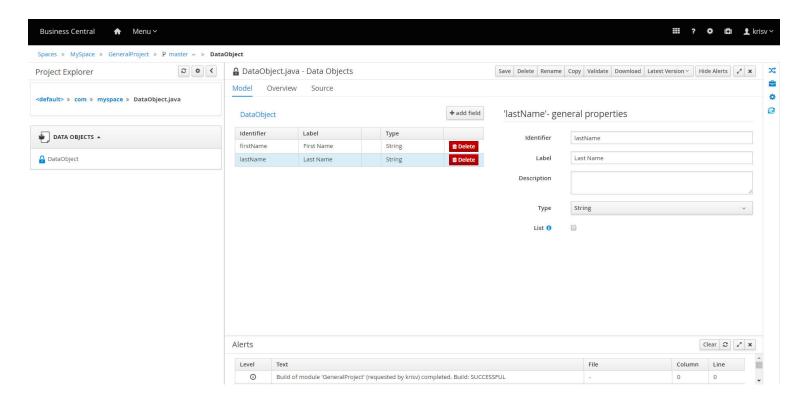




Data Modeler

Data Modeler



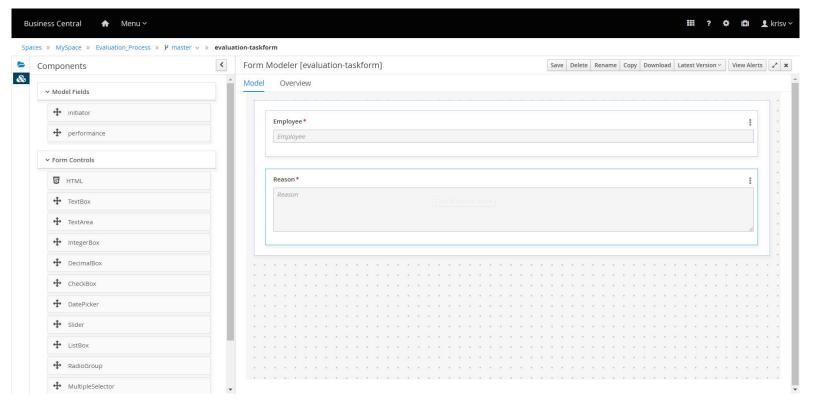




Form Modeler

Form Modeler



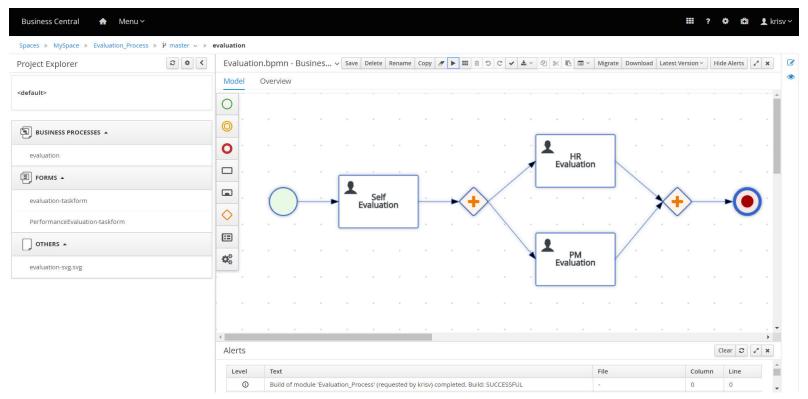




Simulation

Simulation



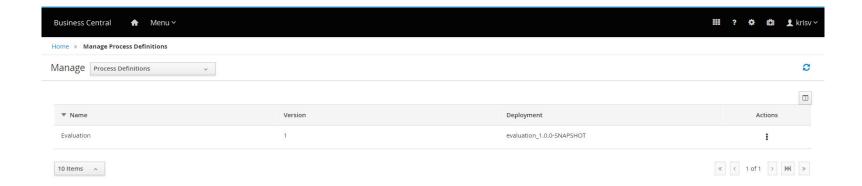




Process Definitions

Process Definitions



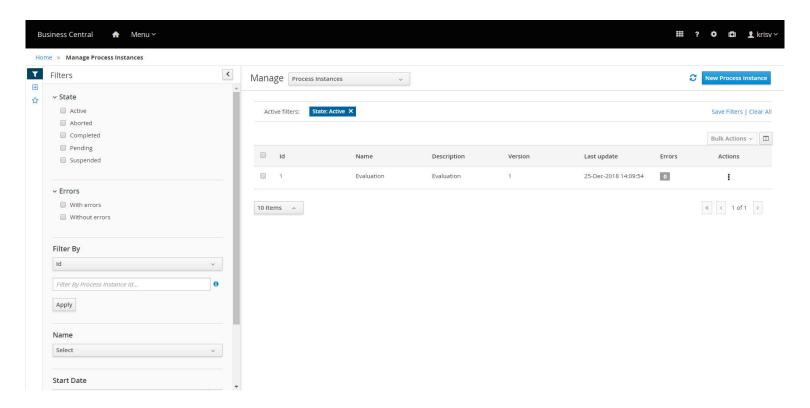




Process Instances

Process Instances



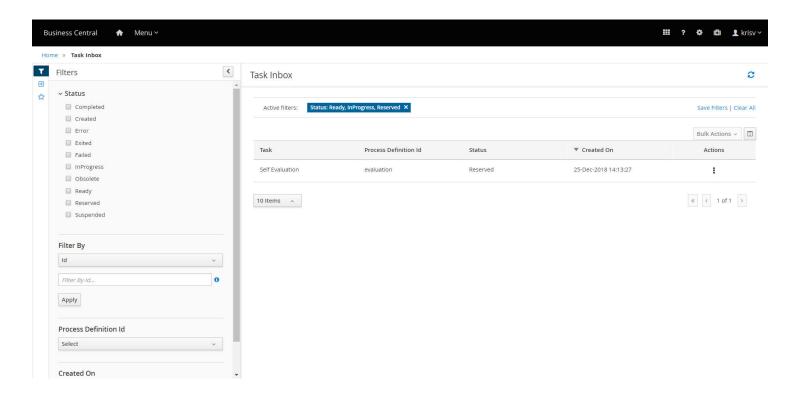




Task List

Task List



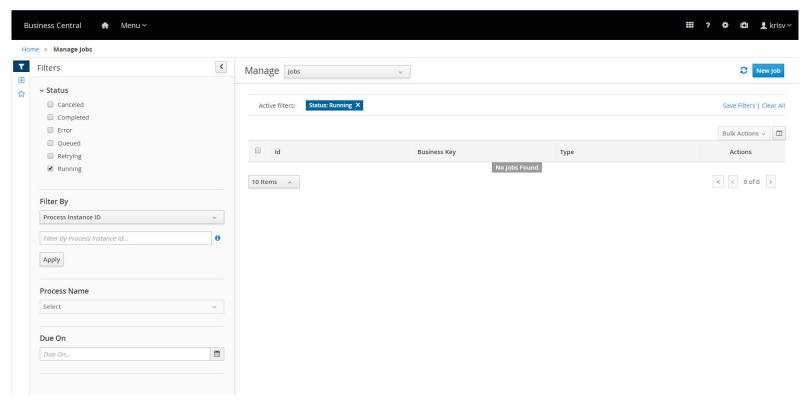




Jobs

Jobs



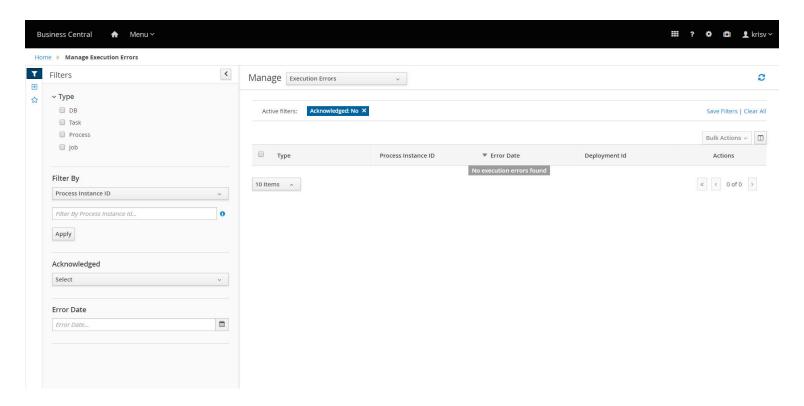




Execution Errors

Execution Errors



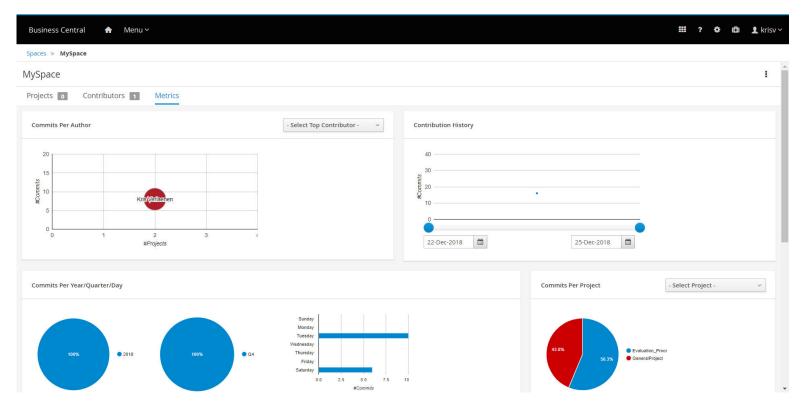




Metrics

Metrics





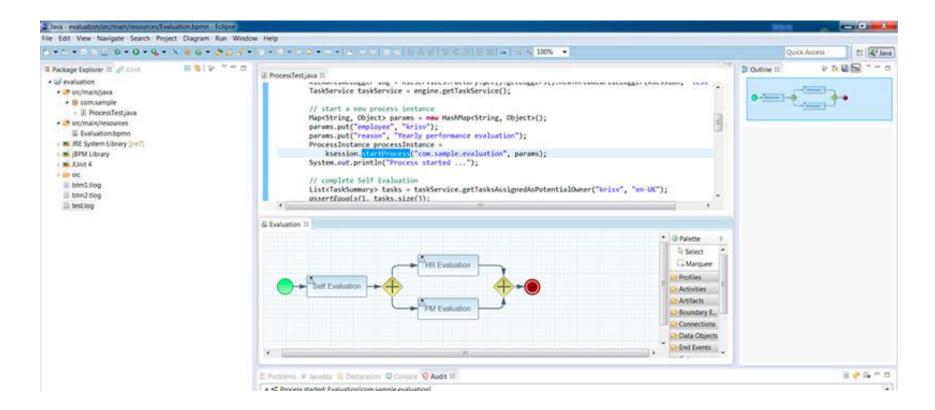


Eclipse

Java, Maven

Eclipse









Introduction to jBPM



Quiz



Eclipse requires for below artifact

- a) Start Event
- b) User Task
- c) Service Task
- d) Script Task



Answer



Eclipse requires for below artifact

- a) Start Event
- b) User Task
- c) Service Task
- d) Script Task



Quiz



Process Instances are in which section from KIE Workbench?

- a) Track
- b) Deploy
- c) Design
- d) Manage



Answer



Process Instances are in which section from KIE Workbench?

- a) Track
- b) Deploy
- c) Design
- d) Manage



Quiz



You can instantiate process from below URL

- a) Process Instances
- b) Tasks
- c) Process Definitions
- d) Jobs



Answers



You can instantiate process from below URL

- a) Process Instances
- b) Tasks
- c) Process Definitions
- d) Jobs





Conclusion

Summary



In this session, you must have learnt about:

- What is jBPM?
- What does jBPM do?
- Kie workbench
- Authoring
- Data modeler
- Form modeler
- Simulation
- Process Definitions
- Process instances
- Task List
- Execution Errors
- Metrics
- Eclipse

















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