

jBPM Console NG User Guide

Version 6.0.0-SNAPSHOT

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.....	v
1. Introduction	1
1.1. Documentation Sections	1
2. Process Runtime	3
2.1. Process Definitions	3
2.1.1. The Process Definition List	3
2.1.2. The Process Definition Details	4
2.1.3. Creating Process Instances	4
3. Tasks	7
3.1. Task List	7
3.1.1. Task List (Personal and Group Tasks)	7
3.1.2. Task Details	9
3.1.3. Work on a Task	11
3.1.4. Task Assignments	12
3.1.5. Task Comments	13
3.2. New Task (Ad-Hoc Task)	14
4. Deployments	17
4.1. Deployment Units List	17
5. Jobs	19
5.1. Jobs (Asynchronous Jobs)	19
6. Tutorial	21
6.1. Step by Step Tutorial	21
7. Configurations	23
7.1. Set up	23
8. Frequently Asked Questions	25
8.1. Frequently Asked Questions	25
9. Roadmap	27
9.1. Roadmap	27
10. Known Issues	29
10.1. Known Issues	29



Chapter 1. Introduction

This chapter introduces the modules in charge of the BPM functionality inside the Kie Workbench. These modules were grouped under the name of JBPM Console NG and they can be found here: <http://github.com/droolsjbpm/jbpm-console-ng> . Inside the GitHub repository will also find a standalone version of these modules integrated with some authoring tools, like for example the Process Designer and the Form Designer, as well as some common tooling to explore the business repositories. If you are interested in a full integrated environment that provides Form Modeling, Data Modeling, Rules Authoring, etc, you should take a look at Kie Workbench which provides all the functionality discribed in these docs plus all the mentioned above.

1.1. Documentation Sections

This documentation is organized into different sections that reflect the project internal structure. The main goal of this document is to explain the functional aspects of each of the following modules as well as to server as reference for developers that wants to customize or extend the provided functionalities.

1. Process Runtime: This module contains all the tools to create and manage process definitions and process instances.
2. Tasks: This module provides all the Human Tasks related functionality. This module is integrated with the Form Modeller to provide a unified experience, so users can work on the tasks that are assigned to them.
3. Deployments: This module contains all the functionality related with the management of deployment units, that represent packaged business assets ready to use in runtime environments.
4. Jobs: This module provides all the functionality to schedule async Jobs using the jBPM Executor module.

Notice that on these documents the common infrastructure screens are not explained. If you are interested in finding more information about Process Designer, Project Explorer, Form Modeller and other modules please check the jBPM Documentation.

Chapter 2. Process Runtime

This chapter describes the screens related with the creation and management of process definitions and process instances.

Once you have modelled and configured all the technical details to run a process definition your process definition will appear in the Process Definitions List. Once you have the process in the Process Definition List, you can start new instances of it. The following sections describe the features provided by each of these screens. You can find these screens under the Process Management Menu, in the jBPM Console NG or in Kie Workbench.

You can find the source code for this module here: <https://github.com/droolsjbpm/jbpm-console-ng/tree/master/jbpm-console-ng-process-runtime>



2.1. Process Definitions

The process definition section is composed by two main screens: the Process Definition Lists and the Process Definition Details.

2.1.1. The Process Definition List

The process definition list shows all the available process definitions that were deployed into the platform. Look at the Deployments section for more information about how to check all the deployment units available.

Process Definitions			Refresh	✕	▼
Name	Version	Actions			
Evaluation	1	🔍			
Hiring a Developer	1	🔍			

You can click in the list rows to access to the details of the process definition.

2.1.2. The Process Definition Details

The process definition details shows all the available information about the process definition. You can consider this screen as a brief about the process model. You can quickly see if there is a Sub Process associated with it, or how many users and groups are participating in the selected definition.

Name	Version	Actions
Evaluation	1	
Hiring a Developer	1	

Definition Id	hiring
Definition Name	Hiring a Developer
Deployment	org.jpdm:HR:1.0
Human Tasks	Sign Contract Create Proposal Tech Interview HR Interview
Human Task Count	4
User and Groups	HR - Sign Contract Accounting - Create Proposal IT - Tech Interview HR - HR Interview
Sub Processes	No subprocesses required by this process
Process Variables	skills - String twitter - String mail - String

Notice that you can View the Process Model (Read Only mode) using the Options Menu in the top bar. You can also look at all the process instances for the selected process definition goint to Options -> View Process Instances.

2.1.3. Creating Process Instances

You can create new Process Instances from the Process Definition List or from the Process Definition Detail view.

Hiring a Developer

*Candidate Name

When you want to create a Process Instance usually a Form will be presented to introduce the information required by the process to be started. Once you complete the form and click into the Start Process button, the instance will be created and the details of the Process Instance will be displayed on top of the Process Definition Details.

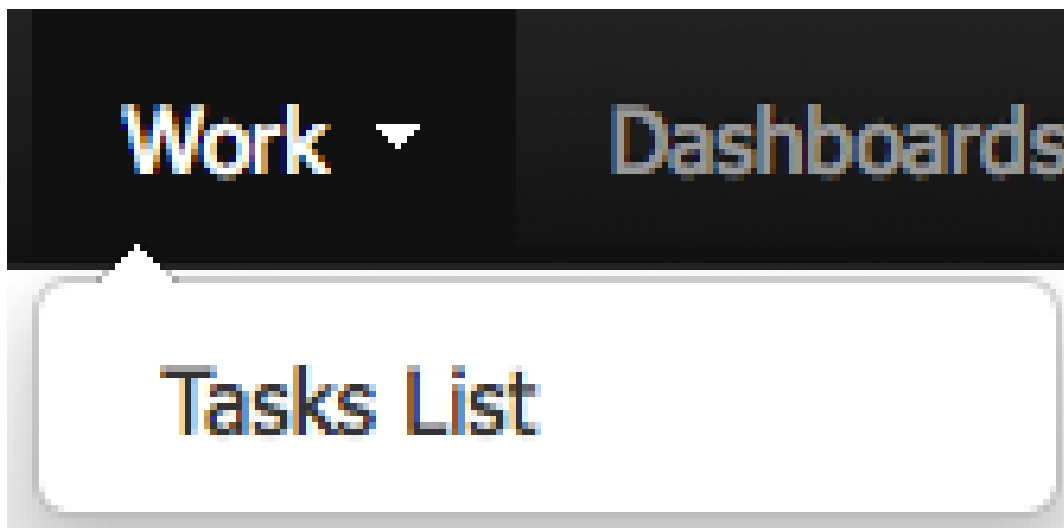
Chapter 3. Tasks

This chapter introduces the Task Management screens and the its integration with the Form Modeller component to allow users to work on their assigned tasks. You can find the source code of these screens here: <https://github.com/droolsjbpm/jbpm-console-ng/tree/master/jbpm-console-ng-human-tasks>

3.1. Task List

Every user with access to the platform will have access to its personal task list where tasks assigned to him/her will be displayed. Each user will be able to create its own personal tasks or work on tasks that were create as a result of a business process execution.

You can access to the Task List under the Work main menu:



3.1.1. Task List (Personal and Group Tasks)

Pending tasks can be displayed using different methafors depending on what the user is interested on. We are currently providing two different views explained in the sections below: Grid and Calendar View.

3.1.1.1. Task List (Grid View)

If you are interested in having a tabular view of all the pending tasks for a specific person or group you can use the Grid View. The list will show all the pending tasks ordered by the columns presented. You can change the default ordering clicking on the column header.

Tasks List

New Task

Refresh

Grid

Calendar

Active

Personal

Group

All

Id	Task	Priority	Status	Created On	Due On	Actions
5	Attend to important Meeting	0	InProgress	04/10/2013 13:15	05/10/2013 13:15	
4	Write Month Report	0	InProgress	04/10/2013 13:15	05/10/2013 13:14	
3	Weekly Check Stock	0	InProgress	04/10/2013 13:13	05/10/2013 13:12	
2	Approve Invoice	0	InProgress	04/10/2013 13:12	05/10/2013 13:12	
1	Call a Customer	0	InProgress	04/10/2013 13:12	05/10/2013 13:12	

1-5 of 5

3.1.1.2. Task List (Calendar View)

If you want a more time oriented view of your pending tasks you can use the Calendar View. This view arrange the tasks based on the Task Due Date. You can switch between three different ranges: Day, Week or Month.

The Day view shows all the tasks that Due Today. Notice that you can change the selected date using the calendar or using the Next and Previous button. The Today button will be enabled when you are in a different day than today, and when you click it it will return the selection to the current date.

Tasks List

New Task

Refresh

Grid

Calendar

Wed, 09 October

Today

Day

Week

Month

Active

Personal

Group

All

Wed 9 (5)

08:57 AM	Call Customer	
08:57 AM	Approve Invoice	
08:57 AM	Weekly Check Stock	
08:57 AM	Write Month Report	
08:54 AM	Attend to Important Meeting	

The Week view shows all the tasks pending for the current week. You can change the selected week using the calendar or the Next and Previous button. If you click on the Today button, you will be moved to the week the current week.

Tasks List

Grid

Calendar

07 Oct - 13 Oct

Today

Day

Week

Month

New Task

Refresh

Active

Personal

Group

All

Mon 7 (0)

Today Tue 8 (0)

Wed 9 (5)

Thu 10 (1)

Fri 11 (1)

Sat 12 (0)

Sun 13 (0)

Call Customer08:57 AM

Approve Invoice08:57 AM

Weekly Check Stock08:57 AM

Write Month Report08:57 AM

Attend to Important...08:54 AM

Technical Interview09:59 AM

After Office06:00 PM

The Month view shows all the tasks that due on the selected month. You can change the month using the calendar or the Next and Previous button. If you click on the Today button the calendar will show all the tasks that due in the current month.

Tasks List

New Task

Refresh

Grid

Calendar

October 13

◀

Today

▶

Day

Week

Month

Active

Personal

Group

All

▼ Mon 30 (0)

▼ Tue 1 (0)

▼ Wed 2 (0)

▼ Thu 3 (0)

▼ Fri 4 (0)

▼ Sat 5 (0)

▼ Sun 6 (0)

▼ Mon 7 (0)

▼ Today Tue 8 (0)

Call Customer

Approve Invoice

Weekly Check Stock

Write Month Report

▼ Wed 9 (5)

▼ Technical Interview Thu 10 (1)

▼ After Office Fri 11 (1)

▼ Sat 12 (0)

▼ Sun 13 (0)

▼ Mon 14 (0)

▼ Tue 15 (0)

▼ Wed 16 (0)

▼ Thu 17 (0)

▼ Dog Training Fri 18 (1)

▼ Sat 19 (0)

▼ Sun 20 (0)

▼ Mon 21 (0)

▼ Tue 22 (0)

▼ Wed 23 (0)

▼ Thu 24 (0)

▼ Fri 25 (0)

▼ Sat 26 (0)

▼ Sun 27 (0)

▼ Mon 28 (0)

▼ Tue 29 (0)

▼ Wed 30 (0)

▼ Thu 31 (0)

▼ Fri 1 (0)

▼ Sat 2 (0)

▼ Sun 3 (0)

3.1.2. Task Details

You can access to the Task Details by clicking in a task row (in both Grid and Calendar Views). The details associated with a task can be changed, like for example the Due Date, the Priority or the task description.

Tasks List

New Task

Refresh

Grid

Calendar

Active

Personal

Group

All

Id	Task	Priority	Status	Created On	Due On	Actions
5	Attend to important Meeting	0	InProgress	04/10/2013 13:15	05/10/2013 13:15	
4	Write Month Report	0	InProgress	04/10/2013 13:15	05/10/2013 13:14	
3	Weekly Check Stock	0	InProgress	04/10/2013 13:13	05/10/2013 13:12	
2	Approve Invoice	0	InProgress	04/10/2013 13:12	05/10/2013 13:12	
1	Call a Customer	0	InProgress	04/10/2013 13:12	05/10/2013 13:12	

1-5 of 5

Details

Work

Details

Assignments

Comments

Details

Description Room A - Floor 17

Status InProgress

Due On 2013/10/05 13:15

Priority 0 - High

User kathy

Process Context

Logs

Update

You can also view the Process Context for a specific task. If the task was created by a Business Process, you will have access to see the Process Instance status that has created it.

Details

Work

Details

Assignments

Comments

9 - HR Interview

Details

Process Context

Process Instance Id

1

Process Definition Id

hiring

Process Instance Details

Process Instance Details

Logs

Update

Finally you can see the Task Log, which allows you to see all the operations that has been executed on the task since its creation.

Details

Work

Details

Assignments

Comments

✕

▼

5 - Call Customer

Details

Process Context

Logs

Task Log
08/10/2013 08:57: Task - ADDED (katy)
08/10/2013 08:57: Task - STARTED (katy)
08/10/2013 09:59: Task - RELEASED ()
08/10/2013 09:59: Task - CLAIMED (katy)
08/10/2013 09:59: Task - STARTED (katy)

Update

3.1.3. Work on a Task

Tasks can have associated a Form to store data. If tasks are part of a Business Process, usually some data needs to be collected and propagated to the business process for further usage. For that reason, tasks has to provide a way to gather and store data. Forms can be created for specific tasks using the Form Modeller. If no form is provided a dynamic form will be created based on the information that the task needs to handle. If a task is created as an ad-hoc task (not related with any process) there will be no such information to generate a form and only basic actions will be provided.

Details

Work

Details

Assignments

Comments

✕

▼

9 - HR Interview

Candidate Name

salaboy

Age

Email

Score

Save

Release

Complete

3.1.4. Task Assignments

You can Delegate tasks to different people when you are not able to work on them.

Details

Work

Details

Assignments

Comments

✕

▼

5 - Call Customer

Details

Potential Owners

[User:katy]

User or Group

Delegate

3.1.5. Task Comments

You can add comments to your tasks to keep track of the progress or to keep information related to the task. Notice that if you delegate the task other users can also add comments helping on the collaboration to complete the task.

Details

WorkDetailsAssignmentsComments

5 - Call Customer

Add Comment

Comment

Add Comment

Added By	At	Comment	
katy	08/10/2013 09:56	Need more information about this customer	
katy	08/10/2013 09:56	ask for product X	

3.2. New Task (Ad-Hoc Task)

As mentioned in the introduction a User can create their own tasks, which will not be associated with any Business Process. These tasks can be used to keep track of your personal list of TO DOs. You can also create tasks and assign them to different people in your team or group.

New Task

×

Task Name

Buy wife's Birthday Gift

Auto Assign To Me

☐

Advanced

Due On

07/10/2013 10:10

Priority

0 - High

Add User

Add Group

User

salaboy

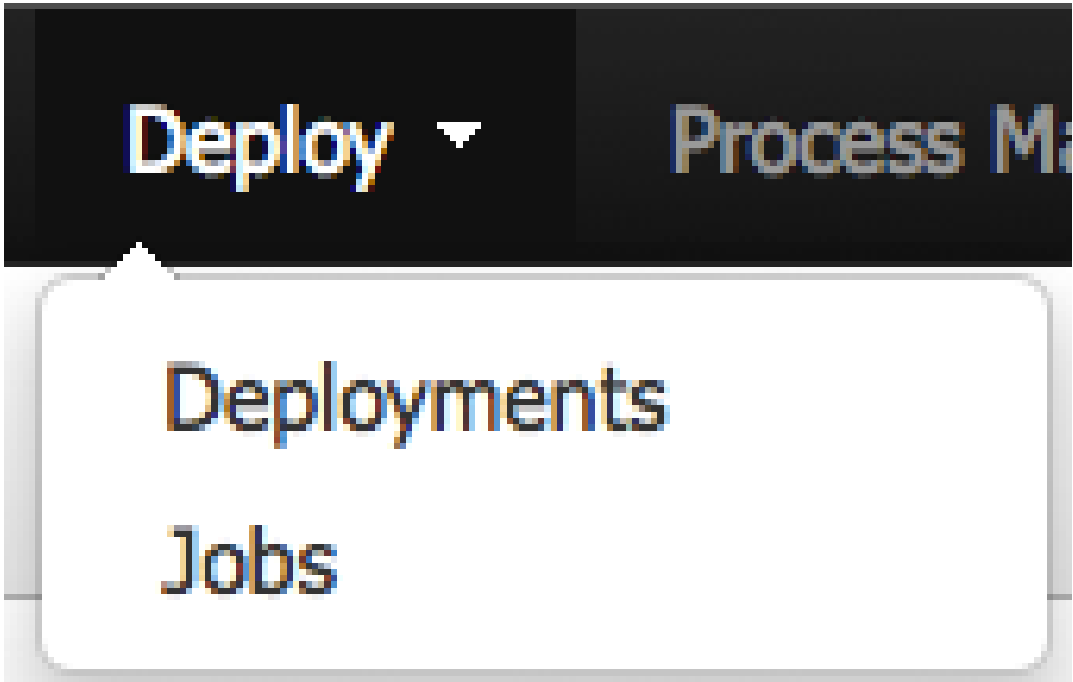
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Chapter 4. Deployments

This chapter introduces the Deployment administration screen. Technical users will be able to check which deployment units are deployed into the platform and available to use. You can find the source code of these screens here: <https://github.com/droolsjbpm/jbpm-console-ng/tree/master/jbpm-console-ng-business-domain>

4.1. Deployment Units List

You can access to the Deployment Units List under the Runtime menu (TODO: fix image and menu name)



The Deployment Unit list shows all the Deployment Units deployed into the platform that are already enabled to be used. Each deployment unit can contain multiple business processes and business rules. By default the list is populated by Building and Deploying a KIE Module using the Project Editor Screen. When you Build and Deploy a

Deployment Units							New Deployment Unit	Refresh	
Deployment	Group ID	Artifact	Version	Kie Base Name	Kie Session Name	Runtime strategy	Actions		
org.jbpm.Evaluation:1.0	org.jbpm	Evaluation	1.0	DEFAULT	DEFAULT	SINGLETON	⌕		
org.jbpm:HR:1.0	org.jbpm	HR	1.0	DEFAULT	DEFAULT	SINGLETON	⌕		

1-2 of 2

You also have the option to deploy custom Deployment Units with other options different from the defaults. When a KIE Project is deployed, by default the "DEFAULT" KIE Base and KIE Sessions

are used and the SINGLETON Strategy is used. You can select a different KIE Base and KIE Session using the New Deployment Unit.

Deploy a New Unit ×

Group ID

Artifact

Version

KIE Configurations

Runtime strategy

Kie Base Name

Kie Session Name

Deploy Unit

Chapter 5. Jobs

5.1. Jobs (Asynchronous Jobs)

TBD

Chapter 6. Tutorial

6.1. Step by Step Tutorial

TBD

Chapter 7. Configurations

7.1. Set up

TBD

Chapter 8. Frequently Asked Questions

8.1. Frequently Asked Questions

TBD

Chapter 9. Roadmap

9.1. Roadmap

TBD

Chapter 10. Known Issues

10.1. Known Issues

TBD

