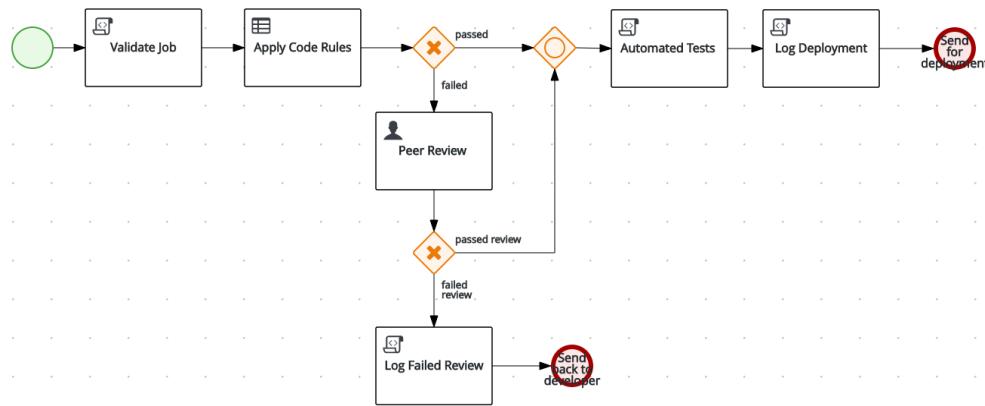


The ultimate beginners guide a learning path for rules and process automation



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Navigation tips - Table of contents

Each lab provided by this workshop has a table of contents. Using this table of contents and general navigation provided for your ease of use.

Keyboard:

- 'm' key = open / close table of contents
- arrow keys = move forward / back through slides

Mouse click on:

- bottom left icon = open table of contents
- bottom right arrow icons = move forward / back through slides

Goals for this guide

There are so many ways and so much content out there to get you started with open source rules and process automation tooling by Red Hat, so where do you start? The goal of this guide is to provide you with a learning path through this content as a way to get started from download, to installation, to quick starts, to hands-on workshops, and all the way to using this technology for your cloud-native development projects.

You'll walk away from this guide with a learning path mapped out through content that's enjoyable to work with and can help you get started on your rules and process automation projects today.

Beginners guide learning path

There is a way to start from the beginning and walk a path to rules and process automation proficiency, outlined as follows:

1. Choosing the rules or process automation path
2. Obtain the tooling (downloads)
3. Quick start projects (installs, cloud native, demos)
4. Free hands-on workshops
5. Published content collections
6. Video collections



1. Choosing rules or process automation

Decisions or rules in a business can become more complex than you want to hard code into your application. Using a decision management platform allows you to externalize your business decisions from your applications and their development lifecycle.

Processes or process automation captures your business activities (rules, tasks, events, services) in a consistent, measurable, and reusable fashion. Process automation tooling enables you to design, implement, integrate, deploy, manage, and gain insights into your organizations processes.

2. Obtaining the tooling

All provided content links you to the Red Hat Developer products page, After registration you're given access to these products in a \$0 developer subscription, meaning you can explore your development projects without paying for their use. The featured products are:

- Red Hat Decision Manager
- Red Hat Process Automation Manager

Available on the same download sites, just scroll down for older versions:

- JBoss Business Rules Management System (BRMS)
- JBoss Business Process Management Suite (BPM Suite)

3. Quick start projects

The following are projects the projects available for getting you started as quickly as possible. These all are automated installations with completely functioning projects for you to explore. There are two collections available:

1. **JBoss Demo Central** (projects for rules, process automation, and more)
2. **Red Hat Demo Central** (cloud native projects covering rules and process automation on OpenShift)

JBoss Demo Central collection

README.md

Red Hat Process Automation Manager Mortgage Demo

This demo project showcases the tooling available in Red Hat Process Automation Manager implementing complex decision logic and process automation for a financial mortgage home loan application. The mortgage project in this demo uses technical rules, decision tables, guided rules, user tasks, task forms, and process automation to define its mortgage home loan calculations and approval system. You'll be running this demo through the process automation business central dashboard.

You can install this project on your own machine or on an OpenShift Container Platform.

Installing on local machine

1. Download and unzip.
2. Add products to installs directory, see installs/README for details and links.
3. Run 'init.sh' or 'init.bat' file. 'init.bat' must be run with Administrative privileges.

Follow install output instructions and log in to <http://localhost:8080/business-central> (u:pamAdmin / p:redhatpam1!)

Enjoy installed and configured Red Hat Process Automation Manager Mortgage Demo (see below for how to run demo). If you need more help, see the [install video](#).

Running the demo

1. Click on the "Mortgage-Demo" project to open the Mortgage Demo project.
2. The project has a data model (Applicant, Application, Appraisal, Property, and ValidationError), 9x guided rules, a Code Ready Containers Red Hat Process Automation Easy Install

...explore at JBoss Demo Central



Red Hat Demo Central collection

The screenshot shows a portion of a README.md file. At the top left is a link to 'README.md'. Below it is a section titled 'CodeReady Containers with Human Resources Employee Rewards Install'. This section contains two paragraphs of text. The first paragraph describes the demo as installing the HR Employee Rewards Demo in the Cloud using the CodeReady Containers platform. The second paragraph provides examples of human task integration, form designer, and a custom email work item handler. To the right of the text, there are several small, partially visible text snippets: 'exposed', 'r. ons can', 'y', 'to', and a large blacked-out section. Below the main text is a section titled 'Install on CodeReady Containers' with instructions for two options: using a local OCP cluster or CodeReady Containers Easy Install. It also includes steps for unzipping the demo and running the init script with administrative privileges. A code block shows the command to run the script with the HOST_IP variable set to 'api.crc.testing'. At the bottom, there is a note about logging into Red Hat Decision Manager and a URL example for a CodeReady Container.

CodeReady Containers with Human Resources Employee Rewards Install

This demo is to install the HR Employee Rewards Demo in the Cloud based on leveraging the CodeReady Containers platform on your laptop. It delivers a fully functioning HR Employee Rewards example containerized on OpenShift Container Platform.

This is the HR employee rewards demo that provides examples of human task integration, form designer and a custom email work item handler.

Install on CodeReady Containers

There are two options to install and run this project on the OpenShift Container Platform; use your own existing installation or to install on CodeReady Containers which provides you with a local OCP cluster.

1. Ensure you have a CodeReady Containers installation:
 - your own Code Ready Containers installation, if using this you just need to set the variables to point to it in init.{sh|bat} script.
 - [CodeReady Containers Easy Install](#)
2. [Download and unzip this demo](#).

3. Run 'init.sh' or 'init.bat' file. 'init.bat' must be run with Administrative privileges:

```
# If using CodeReady Containers or the CodeReady Containers Easy Install project, just add the cluster
# address to HOST_IP variable found at the top of the init.{sh|bat} files, for example:
#
# HOST_IP=api.crc.testing
#
# Now just run the script without any IP address arguments and it picks up that hostname as follows:
#
$ ./init.sh
```

Now log in to Red Hat Decision Manager to start developing containerized process automation projects (the address will be generated by OCP):

- CodeReady Container example: <https://rhcs-rhdm-install-demo-appdev-in-cloud.apps-crc.testing> (userics / p:redhatdm1!)



4. Free hands-on workshops

There are a multitude of workshops online for getting started with decision management, process automation, or any of the older versions of the tooling:

- Online retail web shop workshop (build retail decision project)
- Human resources rewards workshop (build human resource employee rewards process)
- DevOps heroes workshop (build devops testing process)

Older versions:

- JBoss BRMS workshops
- JBoss BPM Suite workshops
- AppDev in the cloud workshops

Workshop collection

Workshop Building a JBoss BPM Travel Agency

This workshop will teach you how to build a business process for a company that wants to automate its travel agency booking process. This project you will build entirely from the ground up, installing JBoss BPM Suite, building rules, processes, tasks, data models and more to build your own JBoss BPM Travel Agency.

Pre-requisites: Java 1.7 or 1.8, Maven 3.2, JBoss BPM Suite 6.1 installer, JBoss EAP 6.4 installer



5. Published content collections

There has been so much published around the decision management and process automation (both the current and past versions) that I'll provide an overview here followed by some examples:

- Decision management articles
- Process automation articles
- Cloud native on OpenShift (CodeReady Containers) articles

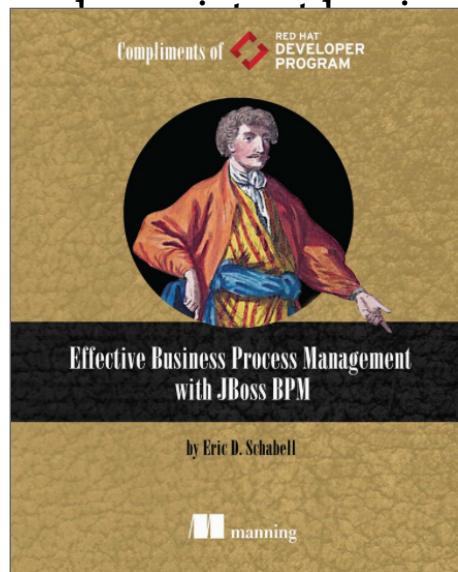
Older versions:

- BRMS articles
- BPM Suite articles

Published BPM Suite book

Effective Business Process Management with JBoss BPM

JBoss BPM helps you solve real-world business challenges by helping you improve operational efficiency. In this book, author and Red Hatter Eric D. Schabell walks you through how to install, set up, and use JBoss BPM to capture organizational processes and create repeatable, measurable, and efficient business goal execution.



[Explore book demo content \]](#)

6. Video collections

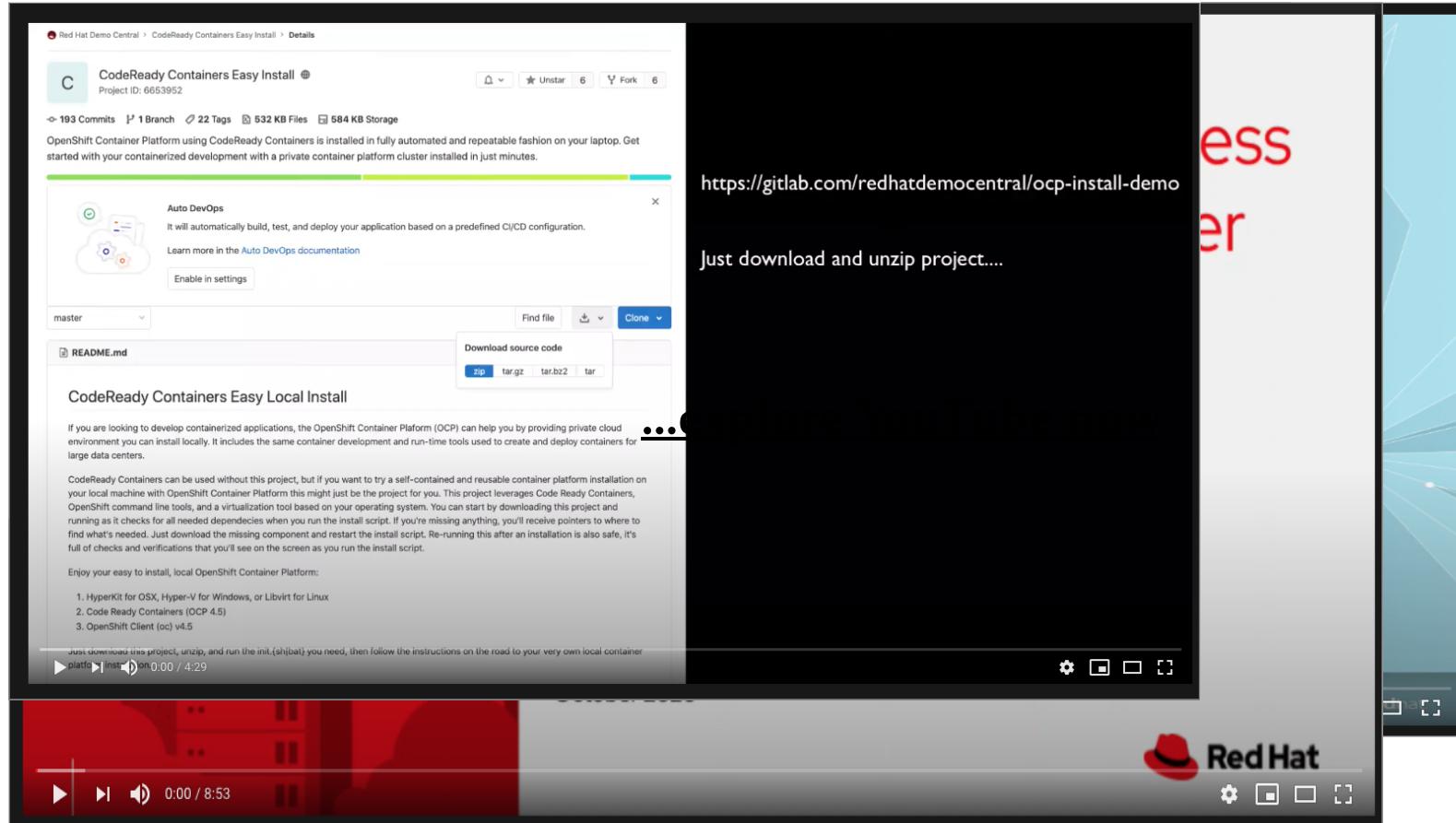
There are several places to find the video content for learning about decisions and process automation (or older versions of these tools):

1. [YouTube channel](#)
2. [Vimeo channel](#)

Older versions:

1. [BRMS channel](#)
2. [BPM Suite channel](#)

YouTube channel collection



Vimeo channel collection



The End

For questions just reach out, thanks for your time and feedback is welcome!

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