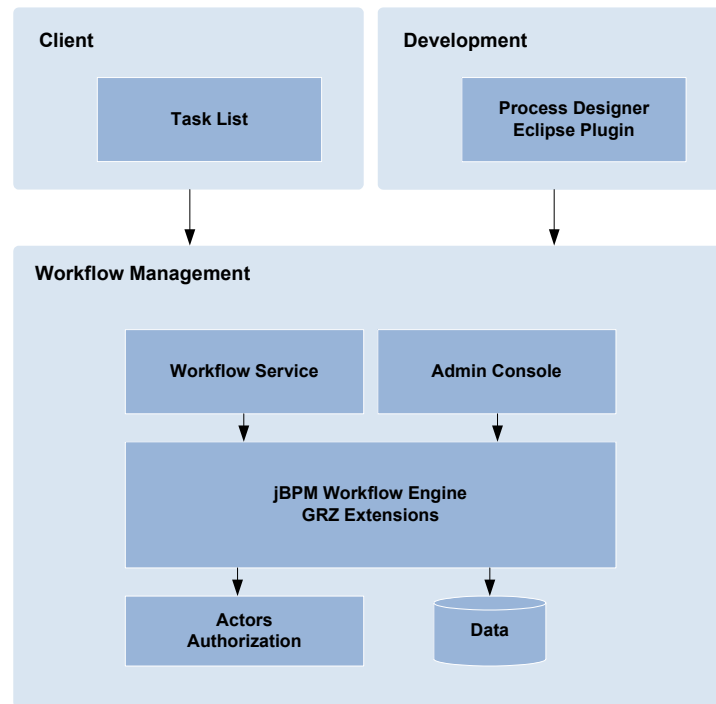


# Task Management with JBoss jBPM

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## Description

According to the requirements of an ongoing project within the banking domain, JBoss jBPM has been selected for implementing the server-side workflow and task management. The following figure shows the components of the workflow management system and the extensions implemented on top of JBoss jBPM.



The complexity of the business workflow, especially the hierarchical dependency of the human tasks, led to an unusual large and unclear process definition. To simplify the process definition, the model elements defining the process flow should be separated from the model elements defining the task hierarchy.

Therefore a domain specific language and an Eclipse editor should be designed and implemented. The domain specific language should be mapped to the process definition language of JBoss jBPM to ensure a transparent integration. To achieve a transparent integration, some runtime aspects must be considered as well. Finally, an existing sub process should be redesigned to verify the extended task management model.

## Prerequisites

- Java (deep knowledge)
- Eclipse-IDE (deep knowledge)
- Hibernate (good knowledge)
- Eclipse-Plugin Development (good knowledge)