Acme Inc. Work Manager

Architecture Preview

Quality Attributes

The most important quality attributes that were considered for the architecture design in order to full field users requirements and provide a more accurate it solution .

FUNCTIONAL SUITABILITY

degree to which the functions facilitate the accomplishment of specified tasks and objectives.

COMPATIBILITY

degree to which two or more systems, products or components can exchange information and use the information that has been exchanged.
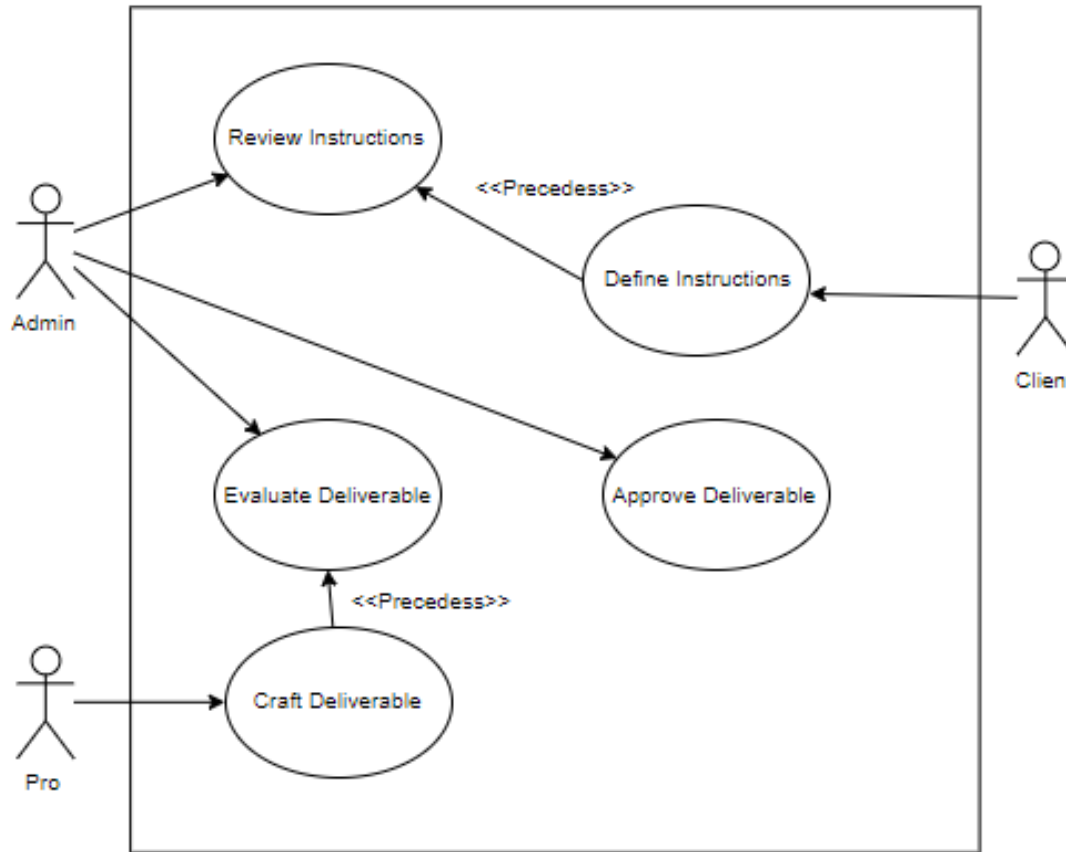
degree to which the prototype ensures that data are accessible only to those authorized to have access.

SECURITY

degree to which the amounts and types of resources used by a product or system, when performing its functions, meet requirements

PERFORMANCE EFFICIENCY

ISO 25010

Use Cases

Bunny Work Manager is going to interact with mainly 3 different roles that will perform different activities with the system.

Acme Inc. Work Manager

CLIENT (External)

Defines the instructions for the three main categories, voices, writing and translations. .

ADMIN (Internal)

Evaluate and approve the deliverables .

PRO (External)

Craft deliverables
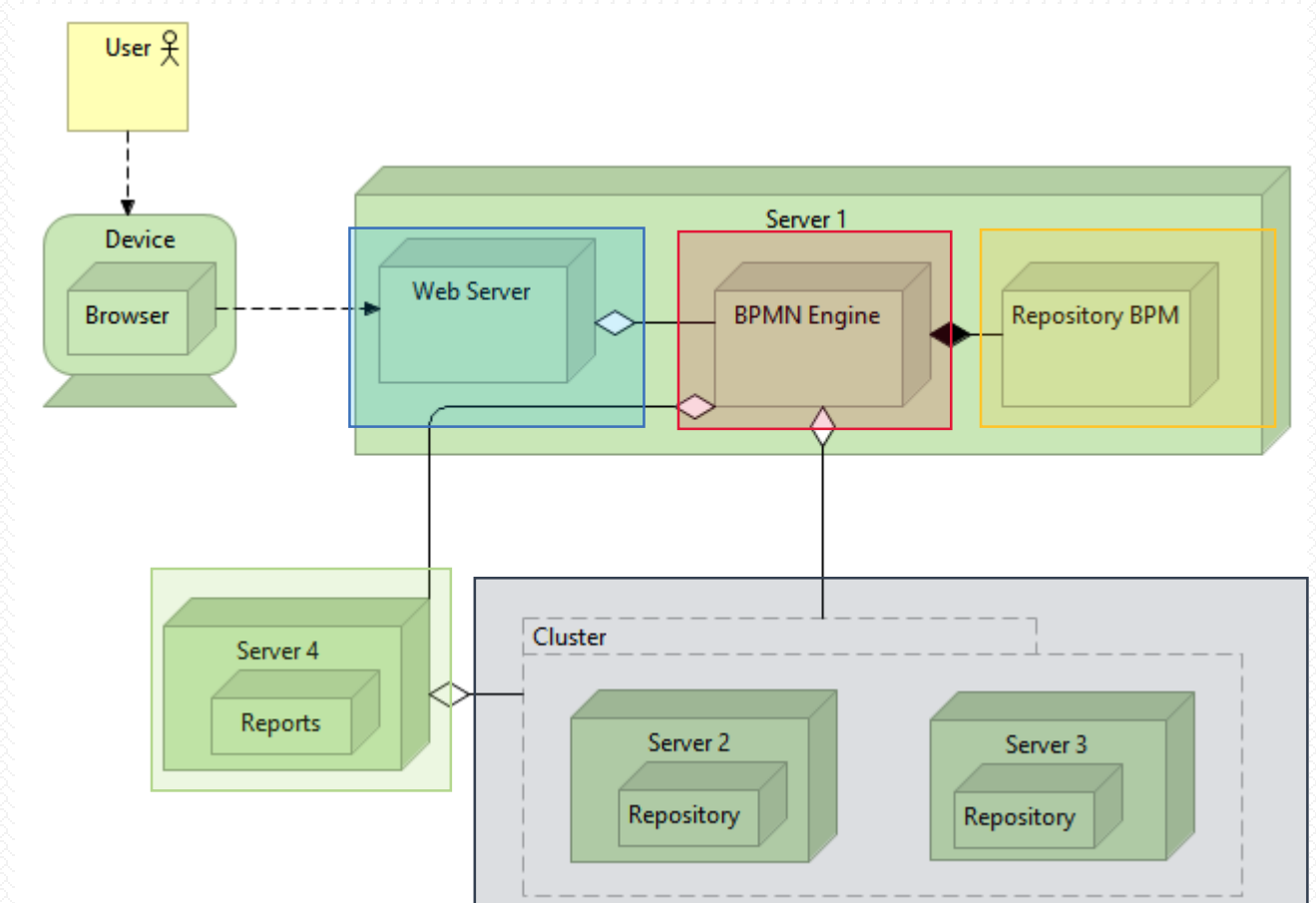
Architecture

Deployment View

The application will use a BPM Engine in order to be able to track the process and determine business rules : **Activity's Duration, Assignation, Process Stages**

This repository will have the processes data and user authentication credentials

This components will have the data concerning to the 3 categories: voices writing category and translation category
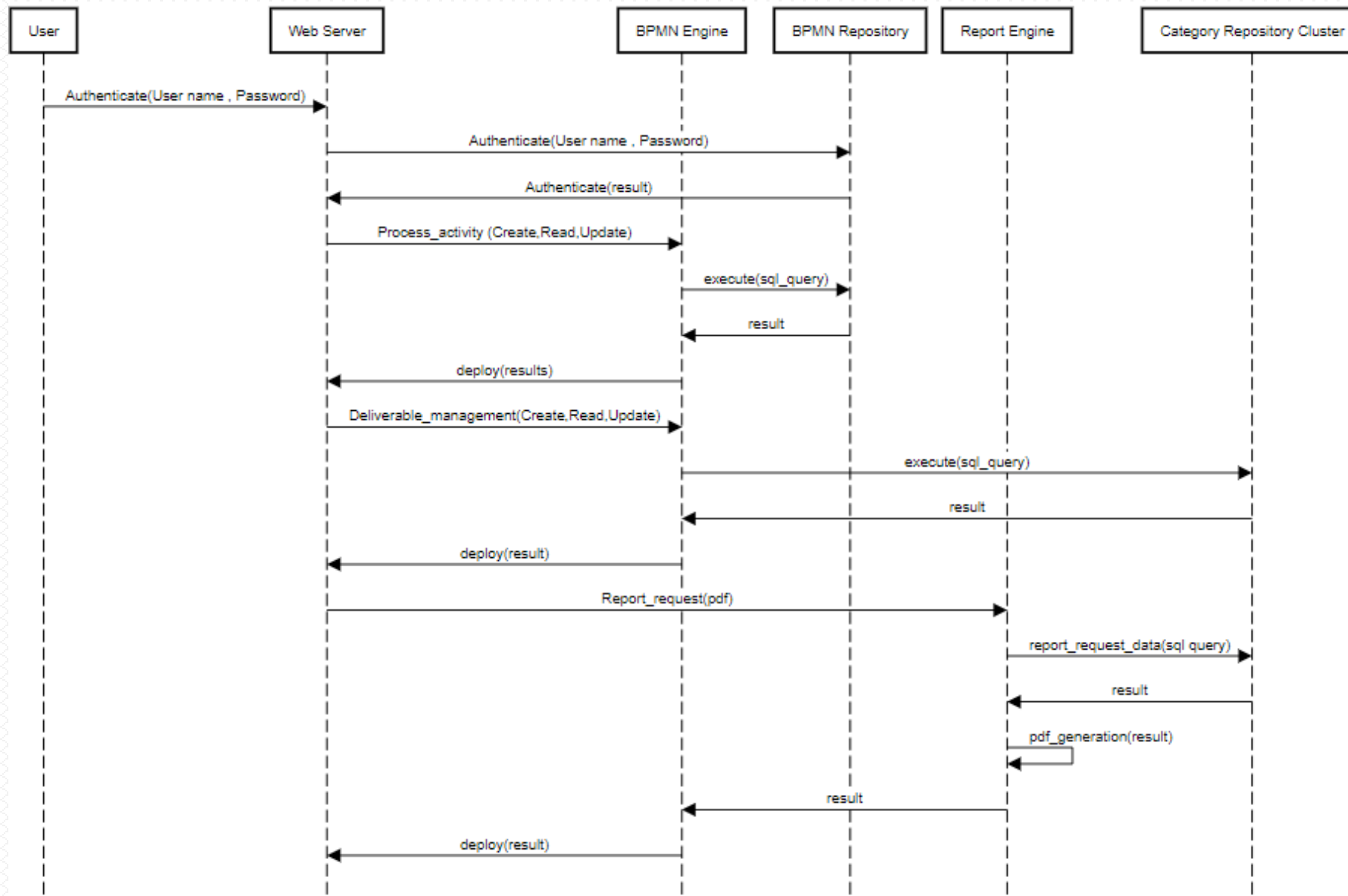
This component will be able to create reports in pdf .

Web Server that contains the main applications: Task List and Bunny Work Manager

ARCHTECTURE
Sequence Diagram

Architecture Insights

- BPMN component provides a complete solution for process automation. With this component different roles can be crated with different permissions, tasks can be assigned and activities durations can be tracked and measured.

- BPMN component ensures that data are accessible only to those authorized to have access

  .

- A dedicated report server enables performance efficiency and the possibility of using specialized components for generating pdfs or any other format.

- A cluster of repositories dedicated for the deliverables enables performance efficiency and increase the Replaceability attribute considering that in a near future another scheme of repository can be used without impacting in the general solution.

- The solution is scalable .

THANK YOU