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**Grape**

**Software Architecture**

**Document**

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1. **Introduction**

## 1.1. Purpose

This document provides a comprehensive architectural overview of Grape, using a number of different architectural views to depict different aspects of the system. It intends to capture and convey the significant architectural decisions, which have been made on the system.

## 1.2. Scope

This document should be an overview of the whole architecture and the way it should be modeled. Decisions made in this document affect how the system is modeled.

## 1.3. Reference

1. **Architectural Representation**
2. **Architectural Goals and Constraints**
3. **Use-Case View**

## 4.1 Overview

## 4.2 Architecturally Significant use cases

1. **Logical View**

## 5.1. Overview

## 5.2. Front-end Interaction Mechanisms

### 5.2.1. Front Controller

### 5.2.2. Command Delegator

### 5.2.3. Service Locator

### 5.2.4. Security Handler

## 5.3. Data Operation Mechanisms

### 5.3.1. Persistency

### 5.3.2. Session Facade

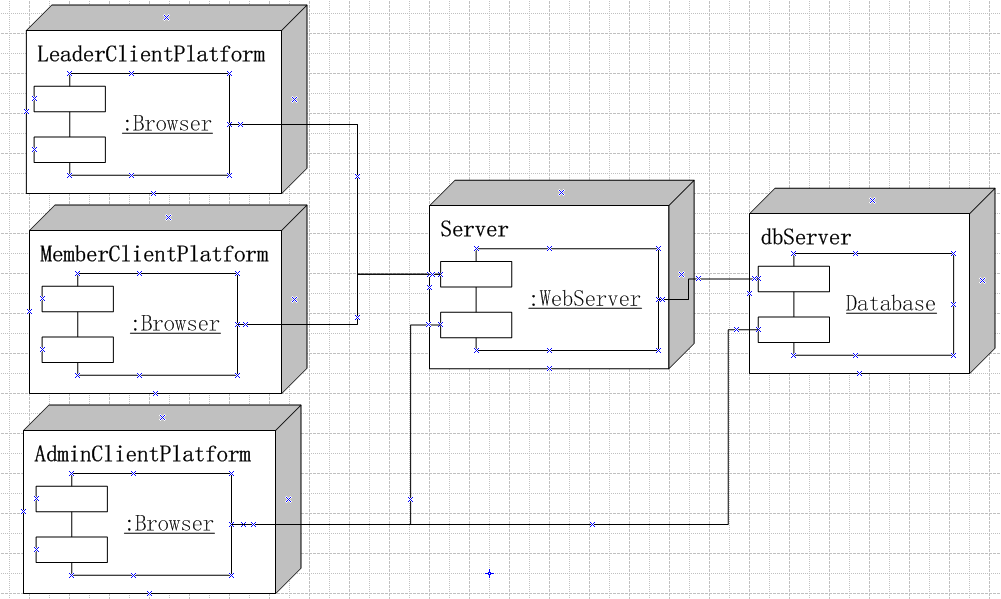
## 5.4. Architecturally Significant Use Case Realization

## 5.5. Architecturally Significant Model Elements

## 5.6. Architecturally Significant Classes

1. **Process View**
2. **Deployment View**

The deployment view of a system shows the physical links between different nodes when the system works. Grape basically runs on a web server, with an dbServer providing access to data of users. Users can access to grape with a browser, while an admin can have access directly to the database.



1. **Implementation View**
2. **Size and Performance**
3. **System Size**