red hat jboss Fuse

architecture, Design and implementation

Prepared for: <CLIENT>

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Prepared By:

Red Hat Consulting

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# Preface

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# Overview

## Red Hat JBoss Fuse Architecture, Design and Implementation

Red Hat Consulting will assist with the architecture, design and implementation of an extensible, scalable, performant, and operationally agile environment to support the use cases defined as part of this proof-of-concept project.

This project is the initiative of <CLIENT> with the objective to implement use cases to demonstrate the capabilities of JBoss Fuse as the preferred Middleware platform.

## About This Document

This document serves as a high level view of the Red Hat Fuse Architecture as designed in collaboration with Red Hat Consulting. It provides an overview of the system landscape and the recommended architecture and implementation approach.

## Audience

This document is provided for confidential use by internal <CLIENT> staff.

## Additional Background and Related Documents

No additional architecture or design documents are available at this stage.

## Methodology

Kanban board : <URL>

# Implementation Goals

Design and implementation of JBoss Fuse on a development or testing environment. Red Hat Consulting will assist <CLIENT> with the implementation of an extensible, scalable, performant, and operationally agile environment to meet the following objectives:

* Provide a core SOA technology backbone that provides the foundational architecture for current and future needs
* Simplify connectivity infrastructure based on open standards, with the flexibility to enable and accommodate new connectivity requirements
* Ability to scale to meet significant growth in data volumes and increased demand for connectivity
* Provide an architecture environment that meets requirements for high-availability, reliability, and security
* Provide experienced consultants and a support organization who has expertise in committing code to JBoss Fuse and to assist Bank Audi with enabling applications to use JBoss Fuse

This environment will allow <CLIENT> to move forward in the continued growth trajectory with an architecture that provides the greatest amount of flexibility and control, that will continue to provide benefits for the long term.

The focus is the implementation of use cases for <CLIENT> to demonstrate the capabilities Red Hat JBoss Fuse as the preferred Middleware platform.

The use cases defined are:

- <UC1>

- <UC2>

- <UC3>

In addition, Red Hat Consulting will also provide advise on release management and continuous integration to the JBoss Fuse environment.

# High level Integration Context

## Overview

## Integration Context Diagram

Illustration 1: High Level Integration Overview

## Integration Routes

The detailed design below documents the JBoss Fuse Camel Routes that were implemented for each use case and covers the details of the components used, motivations, and design considerations where applicable.

The following integration routes are implemented to realize the required use cases:

|  |  |  |  |
| --- | --- | --- | --- |
| **Integration Route** | **Description** | **Front-end** | **Back-end** |
| <route1> |  |  |  |
| <route2> |  |  |  |
| <route3> |  |  |  |

# Infrastructure Design

# Detailed integration design

# Application configuration

# Release management

# RUNTIME PLATFORM INSTALL

# Operations

# Troubleshooting

# Monitoring

# Appendix