Title Svc Doc

Architecture and Critical Design Review Document

Version 1.2

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Revision Number | Revision Date | Summary of changes | Owner |
| 1.0 |  |  |  |
| 1.1 |  |  |  |
| 1.2 |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

1. Service Overview 3

1.1 Business Partners/Vendors 3

1.2 WSDL 3

1.3 Service Security 3

1.4 Service End Point URLs 3

1.5 Discrete Business Operations 3

1.5.1 OPERATION I 3

1.5.1.1 Request Message Description 4

1.5.1.2 Response Message Description 4

1.5.1.3 Fault Message Description 5

1.5.2 OPERATION 2 5

1.5.2.1 Request Message Description 6

1.5.2.2 Response Message Description 6

1.5.2.3 Fault Message Description 6

1.6 Service Implementation Details 6

1.6.1.1 Mediation Modules 6

1.6.1.2 Rules (iLog) 6

1.6.1.3 Class Diagram 7

1.6.1.4 Service Logical/Physical Data Models 8

1.6.1.5 Deployment Diagram 8

1.7 Unit Test Cases 9

1.7.1 WESB 9



1.7.2 EJB 9



1.7.3 DAO 9

 9

2. Solution Design and Architectural Validation 9

2.1 Third Party Evaluations 9

2.1.1 Third Party Component/System Inventory 9

2.1.2 Third Party Evaluation Score Sheet 9

2.2 Architectural Prototypes 9

2.2.1 Prototype Candidate Inventory 9

2.2.2 Prototype Effort Conclusions 9

Critical Design Review Document

# Service Overview

DESCRIPTION ABOUT SERVICE as follows:

|  |  |
| --- | --- |
| * *OPERATION 1* | OPERATION DESC |
| * *OPERATION 1* | OPERATION DESC |

## Business Partners/Vendors

None

## WSDL

<Attach/Link WSDL>

## Service Security

<Describe security schema>

## Service End Point URLs

<Provide Service End Point internal/external URLs for each environment>

|  |  |
| --- | --- |
| **Environment** | **Service URL** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Discrete Business Operations

### OPERATION 1

|  |  |
| --- | --- |
| **Operation:** | |
| Description |  |
| Batch Scripts | None |
| Batch / Real-time | Real Time |
| Synch / Asynch | Synch |
| Protocol(s) | SOAP/HTTP, RMI |
| Input/Output XML/Schema Definitions | request & response XML |

|  |  |
| --- | --- |
| **Non-functional Requirements** | |
| Production Server/Container Service Deployed on |  |
| Technology | J2EE Service |
| Business Logic | Stateless Session Bean |
| Third Party Software Used | None |
| Application Specific Data Store(s) |  |
| Technology | myBatis |
| Schema | DB SCHEMA.TABLENAME(Oracle) – many tables |
| Lookup Data |  |
| Technology |  |
| Schema |  |
| Properties/Configuration File(s) |  |
| Internal Test Client | http://<server>:<port>/ |
| Testing Consideration or Constraints | It can be tested standalone or posting requests through WebService test client or through WID. |
| Average Daily Volume Service Handles | Initially ~2000 requests, future ~5000+ requests |
| Average Response Time | ~0.1 seconds |
| SLA | 0.2 seconds |

#### Request Message Description

XSD: location:

PASTE XML OF WESB

#### Response Message Description

XSD: location:

PASTE XML OF WESB

#### Fault Message Description

|  |  |  |
| --- | --- | --- |
| **Component** | **Fault Code** | **Fault Message** |
| WESB |  |  |
| EJB |  | Application Name: xxxx not defined in property file |
| EJB |  |  |
| EJB |  |  |
| iLog |  |  |
| DAO |  |  |

### OPERANTION2

|  |  |
| --- | --- |
| **Operation:** | |
| Description |  |
| Batch Scripts | None |
| Batch / Real-time | Real Time |
| Synch / Asynch | Synch |
| Protocol(s) | SOAP/HTTP, RMI |
| Input/Output XML/Schema Definitions | XXXX.xsd  XXX.xsd |

|  |  |
| --- | --- |
| **Non-functional Requirements** | |
| Production Server/Container Service Deployed on |  |
| Technology | J2EE Service |
| Business Logic | Stateless Session Bean |
| Third Party Software Used | None |
| Application Specific Data Store(s) |  |
| Technology | myBatis |
| Schema | SCHEMA.TABLENAME |
| Lookup Data |  |
| Technology |  |
| Schema |  |
| Properties/Configuration File(s) |  |
| Internal Test Client | http://<server>:<port>/ |
| Testing Consideration or Constraints | It can be tested standalone or posting requests through WebService test client or through WID. |
| Average Daily Volume Service Handles | Initially ~2000 requests, future ~5000+ requests |
| Average Response Time | ~0.1 seconds |
| SLA | 0.2 seconds |

#### Request Message Description

XSD: location:

PASTE XML HERE

#### Response Message Description

XSD: location:

PASTE XML HERE

#### Fault Message Description

|  |  |  |
| --- | --- | --- |
| Component | Fault Code | Fault Message |
| WESB |  |  |
| EJB |  |  |
| EJB |  |  |
| iLog |  |  |
| DAO |  |  |

## Service Implementation Details

#### Mediation Modules

<Attach Reports Generated from WID>

#### Rules (iLog)

N/A

#### Class Diagram

#### Service Logical/Physical Data Models

#### Deployment Diagram

## Unit Test Cases

### WESB

### EJB

### DAO

# Solution Design and Architectural Validation

## Third Party Evaluations

### Third Party Component/System Inventory

### Third Party Evaluation Score Sheet

## Architectural Prototypes

### Prototype Candidate Inventory

This service will be used as a prototype for the new architecture to prove the connectivity to the Oracle.

### Prototype Effort Conclusions