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| **Release No.** | **Date** | **Revision Description** |
| 1.0 | 05/10/2011 | Initial Document Creation. |
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**RISK and**

**DEPENDENCY**

**ANALYSIS**

*irac-release-11.5*

**e-Commerce Software Architecture Team**

May, 2011

**RISK ANALYSIS**

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# Executive summary

## 1.1 Purpose

The purpose of the Risk and Dependency Analysis (RDA) document is to help with identifying potential problems before they occur. Therefore, risk mitigation activities can be discussed, planned and executed across the project life cycle to ensure the success of the eCommerce release 11.5

## 1.2 Scope

The scope of this document includes the potential risks and vulnerabilities to stability, availability, and integrity of all customer facing eCommerce applications and development tools that are defined below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Systems** |  | **Applications** |  | **Tools** |  | **Environments** |
| DB2 |  | Irac |  | Source Control (SVN) |  | RMM |
| Seamless |  | HERC |  | Code Coverage / Review |  | Dev |
|  |  | Advantage |  |  |  | Qual |
|  |  | Bespoke |  |  |  | PP |
|  |  | HTV |  |  |  | Production - DC / DC2 / RC |
|  |  | Ryanair |  |  |  |

Table 1.1 contains all the components analyzed for this objective

## 1.3 Overview

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Changes Per Functional Section** | | | |  |
| **RDA Label** | **eMember** | **Reservation** | **IS** | **Herc** | **Total** |
| **Overall Risk Dependency Level (RDL)** |  |  |  |  |  |
| **Interwoven** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| **User Interface** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| **Application Layer** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| **Database** |  |  |  |  |  |
| Risk Dependency Level |  |  |  |  |  |
| **Data Migration** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| **Web Development Refactoring** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |

Table 1.2 RDA Matrix Condensed

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Changes Per Functional Section** | | | |  |
| **RDA Label** | **eMember** | **Reservation** | **IS** | **Herc** | **Total** |
| **Overall Risk Dependency Level (RDL)** |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| Load Test Required |  |  |  |  |  |
| Cross Section Dependencies |  |  |  |  |  |
| Code Changes |  |  |  |  |  |
| *Projects with New Code* |  |  |  |  |  |
| *Projects with Code Enhancements* |  |  |  |  |  |
| **Interwoven** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| DCT Change |  |  |  |  |  |
| TPL Change |  |  |  |  |  |
| Code and Content |  |  |  |  |  |
| Template Workflows |  |  |  |  |  |
| Content Workflows |  |  |  |  |  |
| **User Interface** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| JavaScript (JS) |  |  |  |  |  |
| Cascading Style Sheets (CSS) |  |  |  |  |  |
| Framework |  |  |  |  |  |
| Page Weight % Increase |  |  |  |  |  |
| Core Content |  |  |  |  |  |
| Core Web |  |  |  |  |  |
| **Application Layer** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| Project Count | 1 | 3 | 4 | 0 | 8 |
| Personal Identifiable Information (PII / PID) | 0 | 1 | 0 | 0 | 1 |
| Session Change | 0 | 3 | 0 | 0 | 3 |
| *Percentage Increase (avg. 100K base)* |  |  |  |  |  |
| Framework | 0 | 0 | 0 | 0 | 0 |
| *Base Reservation* |  |  |  |  |  |
| *Data Access* |  |  |  |  |  |
| *Cache* |  |  |  |  |  |
| Seamless Change |  |  |  |  |  |
| *Packet Engine Changes* |  |  |  |  |  |
| LDAP |  |  |  |  |  |
| Properties File |  |  |  |  |  |
| **Database** |  |  |  |  |  |
| Risk Dependency Level |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| Database Changes | 0 | 0 | 0 | 0 | 0 |
| *Structure* |  |  |  |  |  |
| *Data* |  |  |  |  |  |
| Replication |  |  |  |  |  |
| Backup / Purge Process |  |  |  |  |  |
| **Data Migration** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| Code Changes |  |  |  |  |  |
| **Web Development Refactoring** |  |  |  |  |  |
| Risk Dependency Level (RDL) |  |  |  |  |  |
| Project Count |  |  |  |  |  |
| User Interface |  |  |  |  |  |
| Java |  |  |  |  |  |

## 1.4 High Level Project Risk and Dependency Project Assessments

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Team** | **Project** | **Risk** | **Dependency** | **Dependent Projects** | **Rollback Estimate** |
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|  |  |  |  |  |  |

Table 1.2 Risk & Dependency Project Matrix

# Release Dependent Tasks

## 2.1 Business Analysis Tasks

## 2.2 Database Tasks

# Risks

## 3.1 Title

Overview

### 3.1.1 Risk Category

Description

### 3.1.2 Risk Impact

HIGH

## 3.2 Title

Overview

### 3.2.1 Risk Category

Description

### 3.2.2 Risk Impact

LOW