xi Architecture

Revision History

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**Table of Contents**

[1 Introduction 4](#_Toc336940571)

[1.1 Purpose 4](#_Toc336940572)

[1.2 Definitions 4](#_Toc336940573)

[2 xi User Interface 5](#_Toc336940574)

[3 xi Web Service Interfaces 5](#_Toc336940575)

[3.1 Executive Summary 5](#_Toc336940576)

[3.2 Entitlements 5](#_Toc336940577)

[3.3 Blue lanes 6](#_Toc336940578)

[3.4 Guests 6](#_Toc336940579)

[3.5 Daily Recruiting Report 6](#_Toc336940580)

[4 xi Data store 6](#_Toc336940581)

# Introduction

Please note that throughout this document page names are highlighted in **bold** while page element names are in *italic*.

## Purpose

This document describes the architecture and the design of the xi user interface, web services, and data store of the xi system. Explicitly, xi consists of the xi.war file deployed in a TCServer instance, and database tables and stored procedures hosted on SQLServer.

## Definitions

|  |  |
| --- | --- |
| **Term** | **Definition** |
| xi | experience intelligence |
| entitlements | selected or booked experiences |
| offersets | a group of entitlements that were booked as a group. all standard entitlements are part of an offerset |
| redemption | the redemption of an entitlement |
| blue lanes | extraordinary attempts to redeem entitlements |
| overrides | a blue lane occurrence that was overridden by a cast member such that a guest was granted access to the experience |

# xi User Interface

The xi user interface provides the following functionality.

Executive Summary

1. Executive Summary is the main page for xi. It provides a high level view of entitlements, queue counts, and offerset redemption distribution. Executive Summary is viewable for today, yesterday, to date or for any specified date.

Entitlements

1. The Entitlements view allows a user to drill down into the entitlements data. Redemptions are broken down by attraction. They can be viewed hourly and information about ridership and individual riders can be viewed as well. Entitlements are viewable for today, yesterday, to date or for any specified date.

Blue lanes

1. Blue lanes are broken down by attraction. Blue lanes are also broken down by reason code. Blue lanes and overrides are viewable for today, yesterday, to date or for any specified date.

Daily Recruiting Report

1. The Daily Recruiting Report is a stand-alone page that displays the total number of DME guests, the recruiting target, and the actual recruited. It displays these values for today, yesterday and to date.

# xi Web Service Interfaces

## Executive Summary

The Executive Summary Web Service Interface allows the xi user interface to request executive summary data via Ajax using the JSONP (JavaScript Object Notation with Padding) protocol. A rest style is used for parameters.

## Entitlements

The Entitlements Web Service Interface allows the xi user interface to request entitlement data via Ajax using the JSONP (JavaScript Object Notation with Padding) protocol. A rest style is used for parameters. Data can be retrieved by facility and by hour.

## Blue lanes

The Blue Lanes Web Service Interface allows the xi user interface to request blue lane data via Ajax using the JSONP (JavaScript Object Notation with Padding) protocol. A rest style is used for parameters.

## Guests

The Guest Web Service Interface allows the xi user interface to request guest data via Ajax using the JSONP (JavaScript Object Notation with Padding) protocol. A rest style is used for parameters.

## Daily Recruiting Report

The Daily Recruiting Report Web Service Interface allows the xi user interface to request daily recruiting data via Ajax using the JSONP (JavaScript Object Notation with Padding) protocol. A rest style is used for parameters.

# xi Data store

xi consumes data from three different databases within the SQLServer database instance. We consume event and guest data from the rdr database which is fed by XBRMS. We also consume data from the GxP database which is fed by the JMS listener. The third database contains only support tables and the stored procedures for xi.

