**Integration Technical Design Document (Reservation Jobs)**

|  |  |
| --- | --- |
| **Project Name** | **(ST3)** |
| **Release** | **Release 1A** |

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# Document Version

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Purpose** |
| 2.1 |  | 10/12/2024 | * Updated Mapping |

# Reviewer

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Reviewer** | **Date** | **Comments** |
| 1.0 |  | 30/09/2024 | First Draft Review for cx to Salesforce Integration Process. Updated Integration Flow, Technical design. |

# References

These additional documents are used or related with this design document

|  |  |  |  |
| --- | --- | --- | --- |
| **Application Name** | **Document Description** | **Link to the Document** | **Ver** |
| Salesforce | Developer Portal | [Developer Portal | Salesforce Developers](https://developer.salesforce.com/) | 1.0 |

# Introduction

The Reservation Integration Job provides the required integrations in the rp to facilitate the Reservation and Customer data periodically transfer between to the respective Park Management Systems (PMS) and Salesforce.

# Design

## Flow Diagram

|  |
| --- |
|  |

# 

# Process Overview

Higher level description on the Integration Processes that needs to be developed for Reservation functionality, as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Int ID** | **Process Name** | **Integration Type** | **Description** | **Notes** | **Ver** |
| 12 | Maxxton Reservation to Salesforce | Scheduled (Job) | Sync Reservation from RP Maxxton to Salesforce, along with the customer data. |  | 1.0 |
|  |  |  |  |  |  |

## Boomi API / WebService

The details of all APIs hosted within the Boomi integration layer (with the Post and Get calls) exist in the documents attached below.

| **API Name** | **Resource** | **HTTP Method** | **Boomi End Point** | **Message Format** | **Boomi Process Name (main)** | **Note** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| NA |  |  |  |  |  |  | 1.0 |
|  |  |  |  |  |  |  |  |

## Boomi Schedule Job Details

| **Integration Flow Name** | **Boomi Process Name (Scheduled) / Job Name** | **Frequency** | **Note** | **Ver** |
| --- | --- | --- | --- | --- |
|  |  | 5 Minutes | This is main process | 1.2 |

# Process Details

## Maxxton Reservation to Salesforce

As a guest service agent operating in SF, they require easy access to customer bookings. This integration Job is expected to bring relevant information for all reservations from PMS (RP – Maxxton & LD- Maxxton) into SF Service Cloud and maintain that across all stages of the booking i.e. subsequent changes to the booking that might be made.

Boomi process will be exposed as REST/SOAP end-point API for application to invoke them.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Process Name (Main)** | **Process Type** | **Process Description** | **Atomsphere Folder Location** | **Track Filed (Process Reporting)** | **Notes** | **Ver** |
| TBD |  | Sync Reservation from Maxxton to Salesforce, along with the customer |  | TBD |  | 1.0 |

### Sequence Diagram

|  |
| --- |
|  |

### 

### Connection Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **API / WS Name** | **HTTP Method / Operation** | **End-Point / Objects** | **Notes** | **Ver** |
| **[RMX] Landal Maxxton API HTTP** | | | | |
| Authentication | POST |  |  | 1.0 |
| Event | GET |  |  | 1.0 |
| Reservation | GET |  | Get reservation details.  Maximum page size for this endpoint is 10. | 1.0 |
| **[SFDC] Salesforce** | | | | |
| Query | GET |  | GET RecordTypeId | 1.0 |

### Orchestration Rules

| **#** | **Detail** | **Ver** |
| --- | --- | --- |
| **Publisher Integration Process Maxxton RP** | | |
| 1 | Event Data needs be read from the Maxxton RP instance  Get List of Reservation IDs from Maxxton (RESERVATION\_EVENT)  Call Maxxton API:  IF HTTP response code of Maxxton API call = 200 AND Maxxton Response errorcode = NULL  THEN   * Create & SET value for a Custom attribute/DPP (Dynamic Process Property) PMSIdentifier to RP * Continue to next steps   ELSE  Notification be raised via the Error Handler :  errormsg= The list of Maxxton RP EntityIds for Reservations could not be received from Maxxton with entityID %entityID% entityAction %entityAction% | 1.0 |
| **Publisher Integration Process Maxxton LD** | | |
| 1 | Event Data needs be read from the Maxxton LD instance  Get List of Reservation IDs from Maxxton (RESERVATION\_EVENT)  Call Maxxton API:  IF HTTP response code of Maxxton API call = 200 AND Maxxton Response errorcode = NULL  THEN   * Create & SET value for a Custom attribute/DPP (Dynamic Process Property) PMSIdentifier to LD * Continue to next steps   ELSE  Notification be raised via the Error Handler :  errormsg= The list of Maxxton RP EntityIds for Reservations could not be received from Maxxton with entityID %entityID% entityAction %entityAction% | 2.0 |

### Data Mapping

The Mapping sheet for the identified target application, it needs to be implemented in the respective integration processes mentioned as follows:

#### Business Account Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| From the Orchestration Steps |  | M | ID |  | O |  | 2.0 |
| mailAddress.country.code | string | M | BillingCountryCode |  | O |  | 1.0 |
| mailAddress.country.code | string | O | ShippingCountryCode |  | O |  | 1.0 |

#### Business Account Response Message

When the Response of the API is successful then it will return the accountId, and it will be used in the subsequent call for the Contact, Address API.

#### Person Account Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| From Orchestration Step | String | M | ID | String | O |  | 2.0 |
| lastName | String | O | LastName | String(80) | O |  | 1.0 |
| mailAddress.privatePhone | String | O | Phone | String | O |  | 1.0 |

#### Person Account Response Message

When the Response of the API is successful then it will return the accountId, and it will be used in the subsequent call for the Address API.

#### Contact Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sourceId + '\_' + customerId | String | M | Account.Maxxton\_Id\_\_c |  | M |  | 1.0 |
|  |  |  |  |  |  |  |  |

#### Contact Response Message

Only Check for Success / Error Response. No Response mapping is defined.

#### Addresses Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sourceId + '\_' + customerId | String | M | External\_Id\_\_c | Lookup | M |  | 1.0 |

#### Address Response Message

Only Check for Success / Error Response. No Response mapping is defined.

#### Invoice Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fetched based Orchestration Step mentioned above | String | M | ID | ID | O |  | 2.0 |

#### Invoice Response Message

Only Check for Success / Error Response. No Response mapping is defined.

#### Booking Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sourceId+ '\_' +reservationId | String | R | MaxxtonBookingID\_\_c | String |  |  | 1.6 |

#### Booking Response Message

When the Response of the API is successful then it will return the Id, and it will be used in the subsequent call for the upserting the ReservationObject.

#### ReservationOjbect Request Message

| **Source Field (Maxxton)** | **Datatype** | **Opt** | **Target Field (Salesforce)** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| orderNumber+ '\_' +unit.unitId + '\_' +reservedResourceId | String | M | Maxxton\_Id\_\_c |  | M | orderNumber is always 0 | 1.0 |

#### ReservationOjbect Response Message

When the Response of the API is successful then it will return the Id, and it will be used in the subsequent call for the upserting the ReservationObject.

#### ReservationSubject Request Message

| **Source Field** | **Datatype** | **Opt** | **Target Field** | **Datatype** | **Opt** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| orderNumber + '\_' + subject.subjectId | String | M | Category\_Name\_\_r | String(Lookup) | O |  | 1.0 |

### 

## Error & Exception Handling

|  |  |  |  |
| --- | --- | --- | --- |
| **HTTP / Custom Code** | **Error Code** | **Error Message** | **Ver** |
| Http | 401 | Unauthorised | 1.0 |
| Http | 412 | Pre-condition Failed | 1.0 |
| Http | 400 | Bad Request | 1.0 |
| Http | 200 | Connected Successfully | 1.0 |
| Http | 404 | File Not Found | 1.0 |
| Custom | 8100 | Service is Failed to Process the Message | 1.0 |

## Unit Test Cases

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case ID** | **Use Case Name** | **Use Case Description** | **Ver** |
| UC 1 |  |  | 1.0 |
| UC 2 |  |  | 1.0 |
| UC 3 |  |  | 1.0 |

# Deployment

## Deployable Process Name

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Component Name** | **Component Type** | **Version** | **Scheduling Required** | **Note** | **Ver** |
|  | Process | 1.2 | Yes | This main process pushes the info in Event Streams |  |

## Event Stream

| **Event Stream Name** | **Type** | **Subscriber Name** | **Note** | **Ver** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

**Event Streams Usage limits**: Environments: A maximum of 200 Environments are allowed per account. Topics:

Each Environment can have up to 1000 topics.

**Backlog**: Topics can store a maximum of 5GB of backlog data.

## Cross Reference Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table Name** | **Description** | **Is Extended?** | **Is Data Loaded specific to Boomi Environment ?** | **Ver** |
| Language |  | Yes |  | 01.00 |
| Country |  | Yes |  | 01.00 |
|  |  |  |  | 01.00 |
|  |  |  |  | 01.00 |
|  |  |  |  | 01.00 |

### Language

| **Key** | **Value** |
| --- | --- |
| en | ENG |

### Country Code

| SF Code | Maxxton Id | **Maxxton Code** |
| --- | --- | --- |
| GB | 5 | GB |

## Process Property Extensions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Process Property Name** | **Extension Name** | **Environment Name** | **Process Property Value** | **Ver** |
| NA |  |  |  |  |

## Connector Name

| **Connection Name** | **Connector Type** | **Auth** | **Notes** | **Ver** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Connection Extensions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Connection Name** | **Extension Name** | **Environment Name** | **Process Property Value** | **Ver** |
| Maxxton RP | Base URL | DEV |  | 1.0 |

# Appendix

|  |  |  |  |
| --- | --- | --- | --- |
| **Application** | **Document / Sample Name** | **Link / Attachment** | **Ver** |
| Boomi | Deployment Plan |  | 2.1 |