

2020

Craft Soft

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[Customer Management Service: CMSAPI- Service Contract]

Final project for Mulesoft class Batch 14

Customer Management API: CMSAPI- Service Contract

Craft Soft Integration Service

Version 1.0.0

April 2020



Document History and Version Control

Version	Date	Revision Notes
1.0.0	April 2020	First version



Contents

1. Introduction

1.1 User

1.2 Purpose

2. CraftSoft Enterprise Service Bus

2.1 Environmnets

2.2 Securty Requirments

2.3 Http Status Code Definition

3. Customer Management API function Summary

3.1 Request

3.2 Create/customers

3.3 Retrieve/customers

3.3 Delete/customers

3.4 Update/customers

3.5 REST/JSON

4. Non-functional Requirements

5. Appendix

1. Introcutioin

Craft Soft Integration Service sways an Enterprise Service Bus (ESB) to integrate different systems using the principle of Mulesoft API Led connectivity architecture. The Customer Management API is accessed using this platform.

Customer Management API is a service with multiple operations designed to manage customers of Craft Soft.

1.1 User

This document is intended for prospect of Craft Soft's MuleSoft Batch-14 trainee, Mulesoft developer.

1.2 Purpose

The purpose of this document is to provide details information of Customer Management service contract. Customer Management API has been developed to manage customer of CraftSoft.

2 Craft Soft Enterprise Service Bus

Craft Soft Integration Service (ESB) platform uses the following environments.

2.1 Environments

Craft Soft ESB provides environments to assist in development and testing activities.

- ❖ Development
- ❖ QA
- ❖ Production

2.2 Authentication

Craft Soft ESB currently uses BASIC user authentication

2.3 Security Requirements

2.3.1 Authentication

Craft Soft ESB uses BASIC authentication, Rate limiting and client ID enforcement

2.4 Status Code Definition

Status Code	Status Name	Status Cause	Action
200	Successful Message		
400	Client Exception	Bad request	Make correction
401	Client Exception	Unauthorized	
500	System Exception	Internal server error	Server unavailable

3 Customer Management API function Summary

Craft Soft Customer Management is a service with multiple operations designed for Customer Management system layer to create/retrieve/update/delete customer information of Craft Soft customers.

3.1 Create Customer

Create Customer and capture customer information for Process layers.

3.2 Find/retrieve Customer

Retrieve Customer find a list of Craft Soft Customers based on the search criteria provided, customerId.

3.3 Delete Customer

Deletes Customer of Craft Soft Customers based on the provided customerId.

3.4 Update Customer

Updates Customer of Craft Soft based on Customers the provided customerId.

3.5 Data type(REST/JSON)

Craft Soft Customer Management API is implemented using **Representational State Transfer (REST)** architecture style, so the request and the response are in JSON format.

Content-Type=application/json

4 Non-functional Requirements

Follow the below NFR:

Craft Soft C4E defines the following guidelines for defining API policies on System APIs:

- 4.1** SLA-based Rate Limiting API policy must enforce the QoS of the chosen SLA tier.
- 4.2** All integration points must comply with security requirements defined in this document

customerinfo14

- New
- customers
 - Columns
 - New
 - customerAddress (varchar)
 - customerID (varchar)
 - fName (varchar)
 - lName (varchar)
 - phoneNumber (varchar)
 - SSN (varchar)
- information_schema

Current selection does not contain a unique column. One edit, undo/redo, Edit, Copy and Delete features are not available.

Showing rows 0 - 0 (1 total, Query took 0.0005 seconds.)

```
SELECT * FROM `customers`
```

Show all | Number of rows: 25 | Filter rows: Search this table

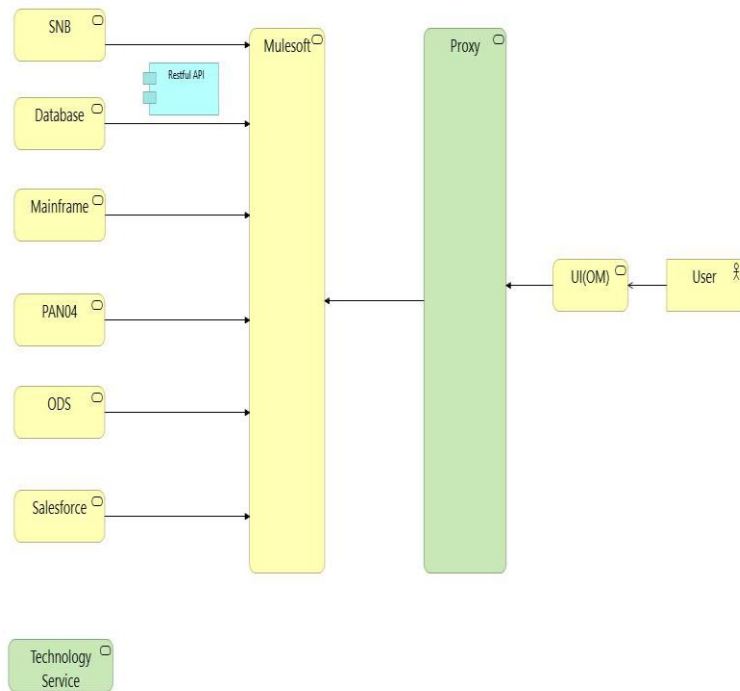
+ Options

customerID	fName	lName	phoneNumber	SSN	customerAddress
1	Lee	Max	202-111-1111	11-111-1111	1919 9th St NW Washington, D.C. 20001

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view



Prepared by Firew A for Mulesoft B-14

Customer Management Service API

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