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## Introduction

This document describes the REST web service interfaces and other critical integration touch points with ESB. The eCommerce system and/or the other end system platform integrate with the backend ERP systems and any other internal or external systems through the ESB (i.e., Apache Camel). This document also includes the requirement for the API calls, description and input/output parameters for all the interfaces that the front end system would need to integrate with the backend ERP and other systems.

## 

## Application Programmer Interfaces

## createCustomer:

This API is used for creating the customer. It takes customer details, storeId and webuserId ,which is used to represent the customer Id inside ecommerce.

**URL**: <server name>/rest/customer/createCustomer

**Assumption:**

The WebUserID is just passed for informational purposes to ERP system; there is no plan to keep the relationship between ERP customer ID and the Web User ID in sync between eCommerce and ERP.

**Method :** POST

**Request Type :** XML or JSON

**Request Parameters**:

“createCustomerRequest”

{

“storeId”, – String , Required , 30 Characters

“webuserId” – String , Required , 30 Characters

“soldToAddress” – Address[], Required, Please refer the ‘Address’ structure}

**Response Type :** XML or JSON

**Response Parameters**:

“soldToCustomerId”, – String

**Or**

error []

{

“errorCategory”, – String

“errorCode”, – String

“errorMessage”, – String

“itemKey”, – String

“targetSystemError” – String

}

**Example request**:

{

“createCustomerRequest”:{

“storeId”:” 500000”,

“webuserId”:”1234”

“soldToAddress”: Address[]

}

}

**Example response :**

“soldToCustomerId”:”12345”

**Or**

"error":

{

"errorCategory": "ERROR\_CATEGORY\_BUSINESS",

"errorCode": "M3351",

"errorMessage": "Material 111826 not maintained in plant 0400",

"itemKey": "3",

"targetSystemError": "SAP\_code: M3351, SAP\_msg: Material 111826 not maintained in plant }

## updateCustomer:

This API is to update a customer in SAP. The update customer request would be expecting customer details and customerId as input paramets. SAP will send back the customerId which got updated.

**URL**: <server name>/rest/customer/updateCustomer

**Method** : POST

**Request Type** : XML or JSON

**Request Parameters**:

“updateCustomerRequest”

{

“customerId”, – String , Required , 25 Characters

“soldToAddress” – Address[], Required, please refer the Address Structure

}

**Response Type :** XML or JSON

**Response Parameters**:

“soldToCustomerId”, – String

**Or**

error []

{

“errorCategory”, – String

“errorCode”, – String

“errorMessage”, – String

“itemKey”, – String

“targetSystemError” – String

}

}

**Example request**:

{

“updateCustomerRequest”:{

“soldToCustomerId”:”12345”,

“soldToAddress”: Address[]

}

}

**Example response :**

“soldToCustomerId”:”12345”

**Or**

"error":

{

"errorCategory": "ERROR\_CATEGORY\_BUSINESS",

"errorCode": "M3351",

"errorMessage": "Material 111826 not maintained in plant 0400",

"itemKey": "3",

"targetSystemError": "SAP\_code: M3351, SAP\_msg: Material 111826 not maintained in plant }

**Address Structure :**

“address”

{

“addressLine1” – String, Optional,40 Characters

“addressLine2” – String, Optional,40 Characters

“addressLine3” – String, Optional,40 Characters

“city” – String, Required,40 Characters

“countryCode” – String, Required, 5 Characters

“customerName” – String, Required, 40 Characters

“emailAddress” – String, Required, 241 Characters

“phone” – String, Optional, 16 Characters

“poBox” – String, Optional, 10 Characters

“state” – String, Required, 3 Characters

“zipcode” – String, Required, 10 Characters

}