



Oracle Public Cloud Blueprint

Oracle Integration Cloud Service – On-Premise E-Business Suite Integration

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September 10, 2015

Introduction

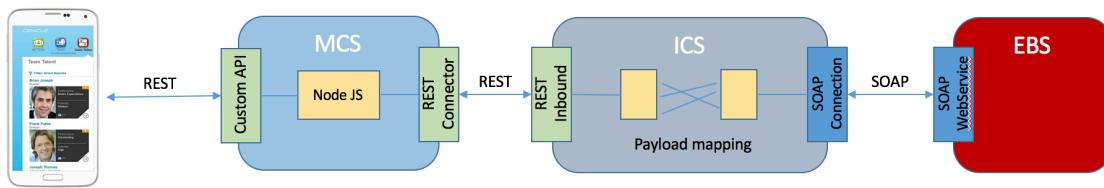
This blueprint document showcases approaches using ICS SOAP adapters to integrate a custom application hosted in the cloud with on premise Oracle E-business Suite. ICS will act as a mediator, connecting to EBS over SOAP web services and exposing an inbound REST service. This is extremely useful when consuming EBS services in mobile applications or Mobile Cloud Service.

The objective is to create an end to end workflow. The scenario described here is to receive an order from a source system on the cloud (such as a mobile app, MCS or any other web application) and integrate it with the Order Management module of the Oracle E-Business suite system.

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Integration Flow

The following diagram describes de integration flow and the components used.



Objectives

- Integrate On-Premise Oracle E-business Suite with mobile applications or web applications hosted in the cloud.
- Show how to use SOAP adaptor for integration
- Expose inbound REST service from ICS
- Consume ICS REST service in MCS and expose it through a custom API

Required Artifacts

- Integration Cloud Service instance
- E-Business Suite instance in the same network with the ICS instance
- Mobile Cloud Service instance
- SOAP web service for on-premises EBS instance Sales Order Module (Integrated SOA Gateway needs to be configured on EBS side)
- REST client to test the exposed ICS REST service.

Outline

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Oracle Integration Service – E-business Suite integration SOAP adapter

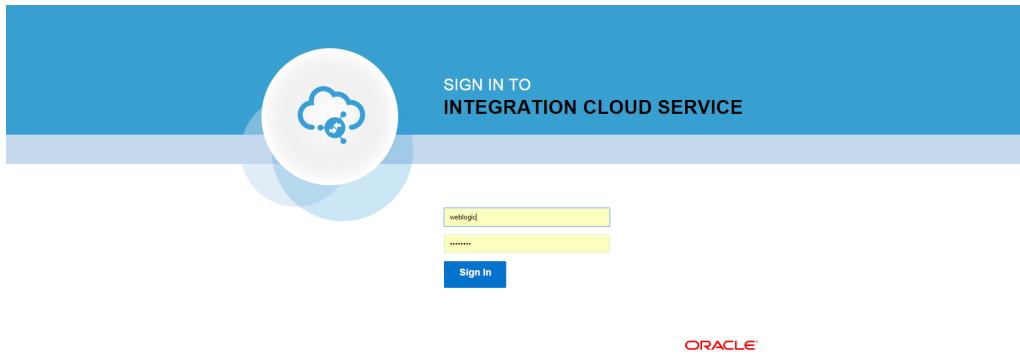
Scenario: You have a B2C custom application (Either Web or Mobile application) which allows retail customers to place orders for various products. The B2C application allows customers to submit orders and track their status. Once the order is submitted, the order fulfillment lifecycle is handled by your on premise E-business suite application. You need to integrate the hosted B2C application in the cloud with your On-premise E-business suite application using Integration Cloud Service.

Oracle Integration Cloud Service is a complete, secure, but lightweight integration solution that enables you to connect your applications in the cloud. It simplifies connectivity between your applications, and can connect your applications in the cloud to your applications that are on premises. Integration Cloud Service provides secure, enterprise-grade connectivity regardless of the applications you are connecting or where they reside.

Create Connections to EBS using SOAP adapter

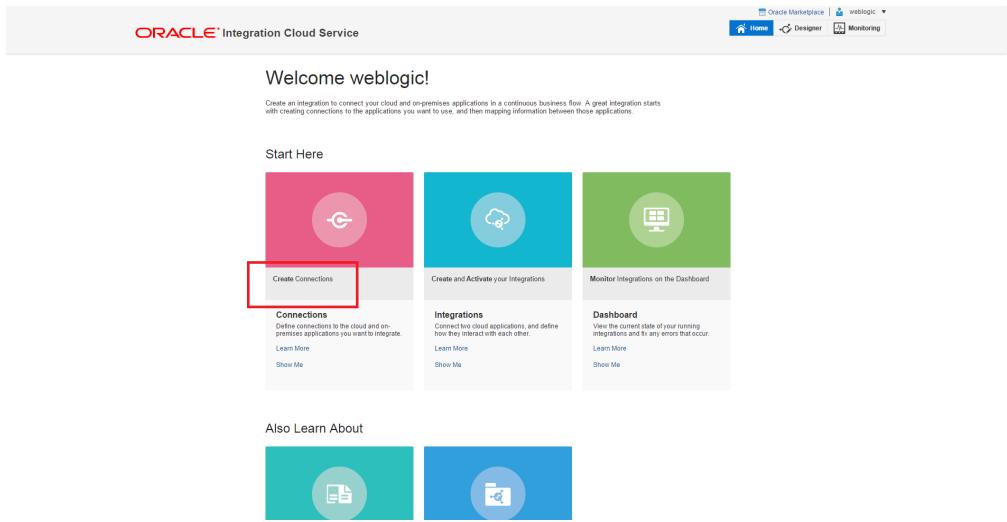
STEP 1: Sign in to your Integration Cloud Service (ICS Instance)

- Sign in to your ICS instance using your credentials



STEP 2: Create an Oracle E-Business Suite Connection using SOAP adapter

- Click on the Create Connections icon



- Click on the Create New Connection button

The screenshot shows the Oracle Integration Cloud Service interface. On the left, there's a sidebar with 'Connections' selected. The main area displays a list of existing connections:

- TechcoEBSCConnection | 1.0 | Oracle E-Business Suite
- Acme RightNow Instance 1 | 1.0 | Oracle RightNow
- Acme SOAP Quote Connection | 1.0 | Web Service (Soap) Adapter
- Acme Sales Cloud Instance 1 | 1.0 | Oracle Sales Cloud

Each connection entry includes a status icon (green checkmark for CONFIGURED), the connection name, version, provider, and a brief description. A 'Create New Connection' button is located at the top right of the list area.

- The Create Connection – Select Connector dialog is displayed
- Select the Oracle SOAP Adapter

The screenshot shows the 'Create Connection - Select Adapter' dialog. It has four categories: REST, SOAP, Eloqua, and Oracle Messaging Cloud Service. Each category has a cloud icon and a 'Select' button. The 'SOAP' category is highlighted with a red box around its 'Select' button.

Below the categories is a horizontal navigation bar with arrows and a central search field. At the bottom right is a 'Cancel' button.

- Enter the information to describe the connection.
- Click on the Create button.

New Connection - Information

Enter information that describes the connection. Use a meaningful name and description to help others find your connection when they create their own integrations. The ID must be unique, and it cannot be changed after you click Create.

* Connection Name	EBSSoapCreateOrder
* Identifier	EBSSOAPCREATEORDER
* Version	01.00.0000
Description	Enter a brief description...

Create **Cancel**

- Connection is created and you are now ready to configure connection details, such as email contact, connection properties, and connection login credentials.
- Click on the Configure Connectivity button.

Connection Properties

Enter information so we can connect to your application and process requests.

Property Name	Upload File	Property Value
WSDL URL	<input type="file"/>	http://[REDACTED]/soa-infra/services/default/EBSSRV_PLSQL_OE_INBOUND_INT/OE

↑
Provide EBS wsdl url for Sales Order service

OK **Cancel**

- Click on the OK button
- Click on the Configure Credentials button
- Enter your login credentials and click OK. Make sure “Username Password Token” is selected as Security Policy and that the EBS SOAP web service is configured with the same policy type.

Credentials

You can customise the Security Policy for this connection. Please select the Security Policy.

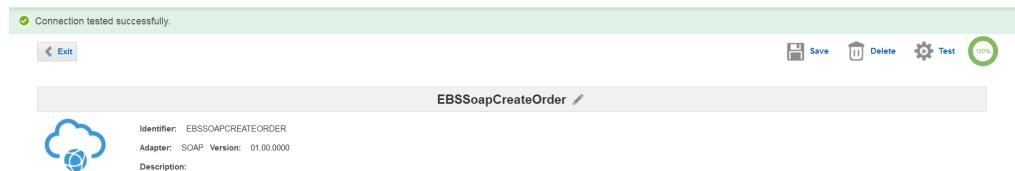
Security Policy Username Password Token ▾

Your application requires that users and services provide security credentials for access. Specify the login credentials below.

Property Name	Property Value
Username	operations
Password	*****
Confirm Password	*****

OK **Cancel**

- Click on the Test button to test the connection, a success message should be displayed on the screen.



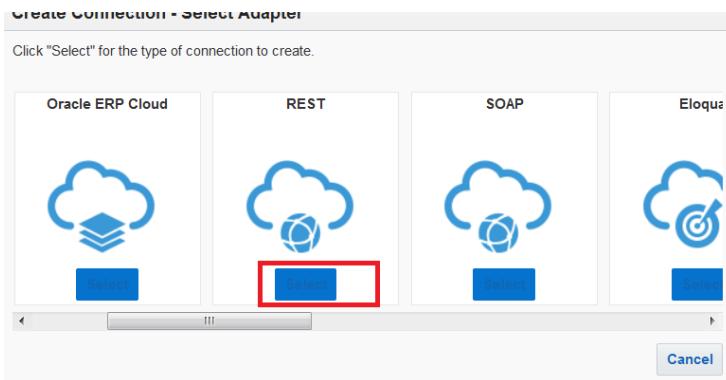
- Click on the Save button to save the connection.
- You have now configured SOAP connector pointing to your on-premise E-Business suite instance on the Integration Cloud Service.

Create Connections for ICS inbound REST Service

STEP 3: Create an ICS inbound REST adapter

This connection will be used by the integration flow to expose an inbound REST service which can be used by external clients to call the integration. This step is needed only in the current ICS version, the next releases will enable users to add a Generic Rest Adapter directly from the integration design page.

- Click on the Create New Connection button
- The Create Connection – Select Connector dialog is displayed
- Select the Oracle REST Adapter



- Enter the information to describe the connection and click on the Create button

Enter information that describes the connection. Use a meaningful name and description to help others find your connection when they create their own integrations. The ID must be unique, and it cannot be changed after you click Create.	
* Connection Name	InboundICSRESTservice
* Identifier	INBOUNDICSRESTSERVICE
* Version	01.00.0000
Description	Enter a brief description...
Create Cancel	

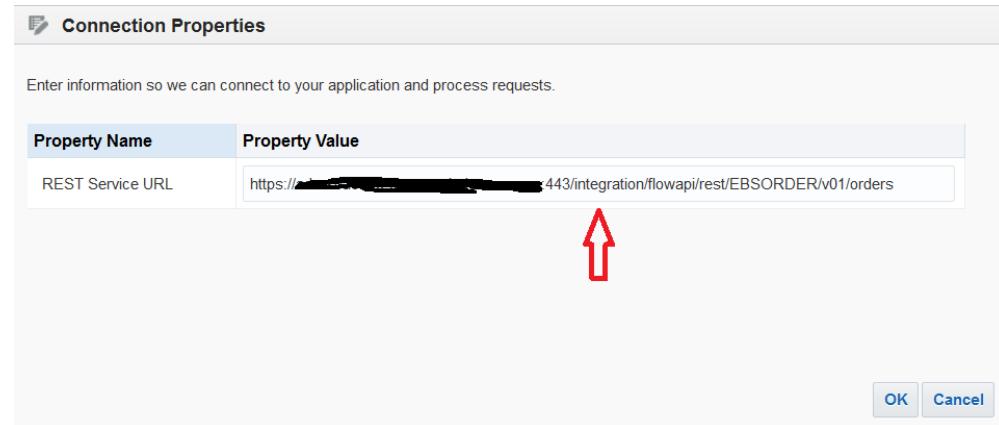
- Connection is created and you are now ready to configure connection details, such as email contact, connection properties, and connection login credentials. **These details however will not be used because we will use the connector for the inbound REST service definition. In the current ICS release this details are mandatory fields and have to be added in order to activate a connection.**
- Click on the Configure Connectivity button and provide REST service URL in following format:

```
http://host:port/integrations/flowapi/rest/INTEGRATION_NAME/v01/orders
```

where:

INTEGRATION_NAME: will be the name given at the time of source integration creation (EBSOORDER) in this case

Order: end point of relative resource URI which you will provide during integration source creation.



- Click on the OK button
- Select “No Security Policy” in Configure Credentials section



- Click on the Test button to test the connection, a success message will be displayed on the screen.



- Click on the Save button to save the connection.
- You have now configured REST Adapter which will be used to expose ICS as REST service and can be used by external applications.

Create Integration using connections

STEP 4: Create an ICS Integration using the adapters created above.

Creating an integration includes defining the source and target application connections, and defining how data is mapped between the two payloads. The procedure below describes the steps for creating the integration. As you perform each step, the progress indicator will let you know how close you are to completing the integration.

- In the Integration Cloud Service toolbar, click Designer.



- Above the Integrations list, click on Create New Integration

The screenshot shows the 'Integrations' list page. On the left, there are navigation links for 'Integrations' (selected), 'Connections', 'Lookups', and 'Packages'. The main area displays a list of existing integrations:

- TechcoOrderINTService | 2.0**: ACTIVE, TRACE ENABLED, Updated 04/21/15 12:56 AM GMT-07:00 by weblogic. Status: Active. Adapter: MAP DATA.
- TechcoOrderINTService | 1.0**: ACTIVE, TRACE ENABLED, Updated 04/20/15 6:43 AM GMT-07:00 by weblogic. Status: Active. Adapter: MAP DATA.
- Acme Subscribing to ICS MSG SVC For RN | 1.0**: BUILT BY ORACLE, Updated 04/20/15 3:52 AM GMT-07:00 by weblogic. Status: Active. Adapter: SUBSCRIBE. Description: This integration demonstrates how to subscribe to ICS Messaging Service and send the received message to Rightnow.
- Acme Stock Service | 1.0**: BUILT BY ORACLE, Updated 04/13/15 11:50 AM GMT-07:00 by icsmarketplace. Status: Active. Adapter: MAP DATA. Description: A demo integration to retrieve stock price.
- Acme Publishing to ICS Messaging Service | 1.0**: BUILT BY ORACLE, Updated 04/13/15 11:50 AM GMT-07:00 by icsmarketplace. Status: Active. Adapter: PUBLISH. Description: This integration shows how to receive a notification from external system like Sales Cloud and publish to ICS Messaging Service.
- Acme SOAP Get Weather Demo | 1.0**: BUILT BY ORACLE, Updated 04/13/15 11:50 AM GMT-07:00 by icsmarketplace. Status: Active. Adapter: MAP DATA.

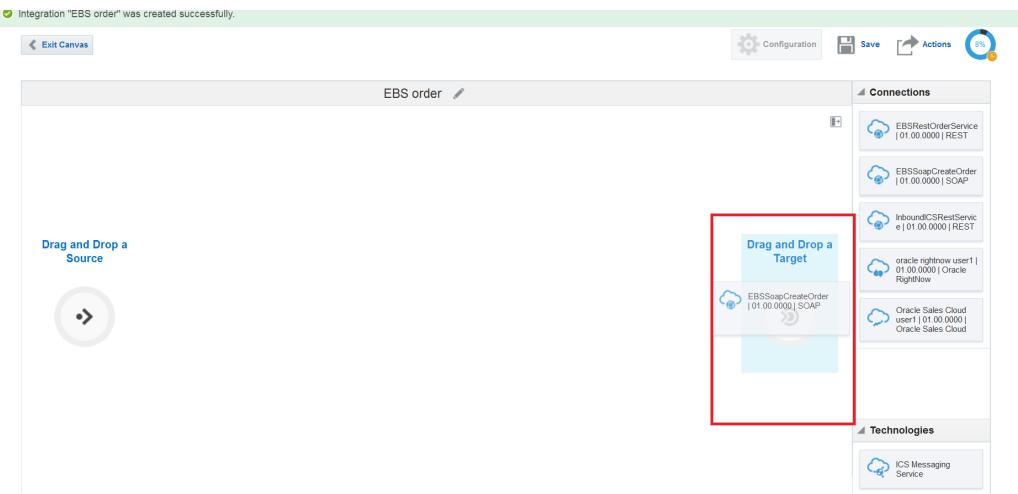
- Enter the integration description details and click on create. Since we are building an Integration service to Interface orders with E-Business suite, we are naming it EBSorder.

The screenshot shows the 'New Integration - Information' dialog box. It contains the following fields:

- * Integration Name:** EBSorder
- * Identifier:** EBSORDER
- * Version:** 01.00.0000
- Package Name:** Enter Package Name
- Description:** Enter a brief description...

At the bottom right are 'Create' and 'Cancel' buttons.

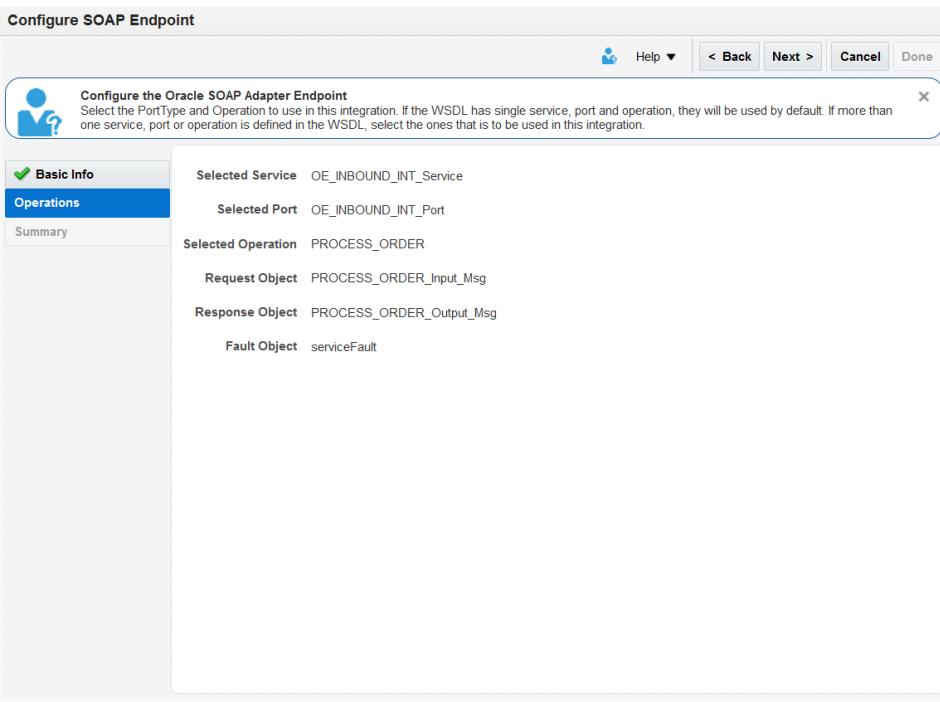
- Click on the EBSSoapCreateOrder adapter which you have created in Step# 1 and drop in Target panel on the right side of your screen. In this case target will be EBS system.



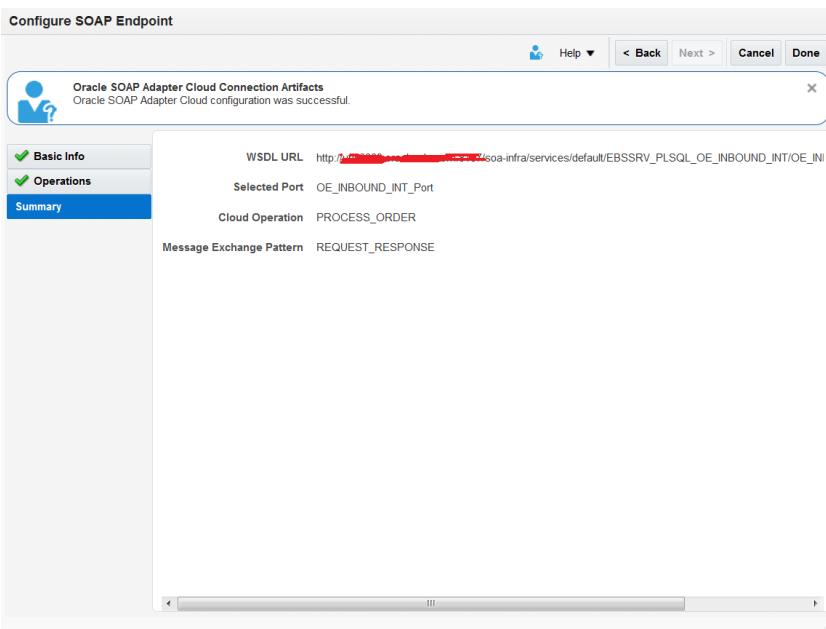
- Provide required information in “Basic Info” tab. Enter “CreateEBSOrder” as Name and click next.

The screenshot shows the "Configure SOAP Endpoint" wizard. The title bar says "Configure SOAP Endpoint". The top right has buttons for Help, Back, Next >, Cancel, and Done. The left sidebar has tabs: Basic Info (selected), Operations, and Summary. The main area has a welcome message: "Welcome to the Oracle SOAP Adapter Endpoint Configuration Wizard. This wizard helps you create a service using the Oracle SOAP Adapter." Below it, a form asks "What do you want to call your endpoint?" with an input field containing "CreateEBSOrder". A tooltip provides instructions: "Provide a meaningful name so that others can understand the endpoint. You can include English alphabetic characters, numbers, underscores, and dashes. You cannot include blank spaces, special characters, and multibyte characters." The "What does this endpoint do?" section below has a placeholder: "Describe the endpoint's purpose and detail".

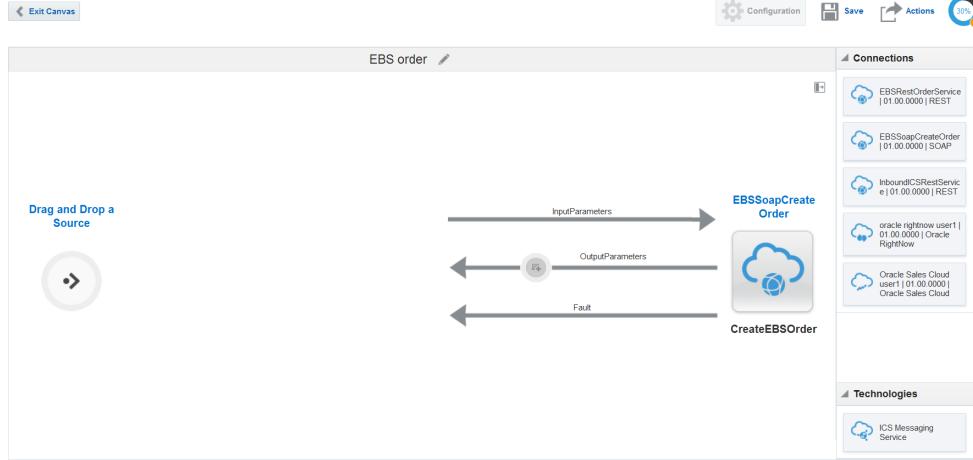
- Once you click on next, it will retrieve the WSDL information and display as below:



- Click next and then on summary page click done.



- Now your integration will look as below:



- Now we have to configure Source section. For that drag and drop InBoundICSREST service adapter to Source section and provide details as below

- Endpoint name: InboundCreateOrder
- Endpoint Relative URI: /orders
- Action to be performed: POST
- Select check boxes for “Configure a request payload for this endpoint” and “configure this endpoint to receive the response” (if you want to receive the response as well). Click on next.

- Wizard to configure Request option will appear

Provide following details:

- Select sample payload and browse file.
- Select payload type as JSON. For sample JSON payload, please check the end of the document.

Configure Oracle REST Endpoint connection

Configure the Request Payload
Configure the request payload details for this endpoint.

Basic Info

Request Parameters

Request

Response

Summary

Select the request payload file

Schema Sample

Sample Location No file selected.

* Element

Select the type of payload you want the endpoint to reply

None
 XML
 JSON
 URL-encoded
 Other Media Type

Media Type For example, application/oracle.cloud+json

- Click Next.
- Add the sample payload for the Response. Please check end of document for a sample response payload.

Configure Oracle REST Endpoint connection

Configure the Response Payload
Configure the response payload details for this endpoint.

Basic Info

Request Parameters

Request

Response

Summary

Select the response payload file

Schema Sample

Schema Location No file selected.

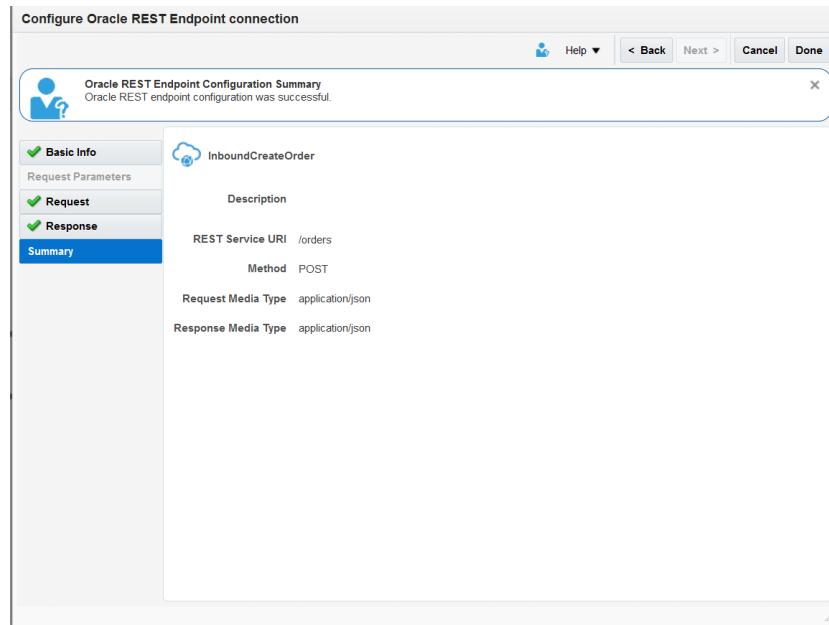
* Element

Select the type of payload you want the endpoint to receive

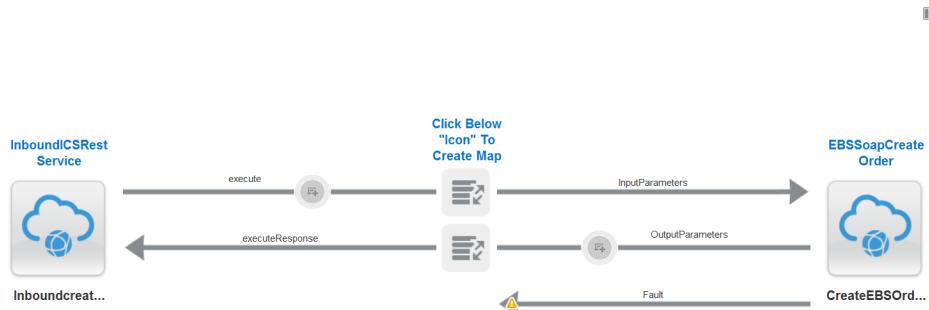
None
 XML
 JSON
 Other Media Type

Media Type For example, application/oracle.cloud+json

- o Go to Summary page and click "Done".

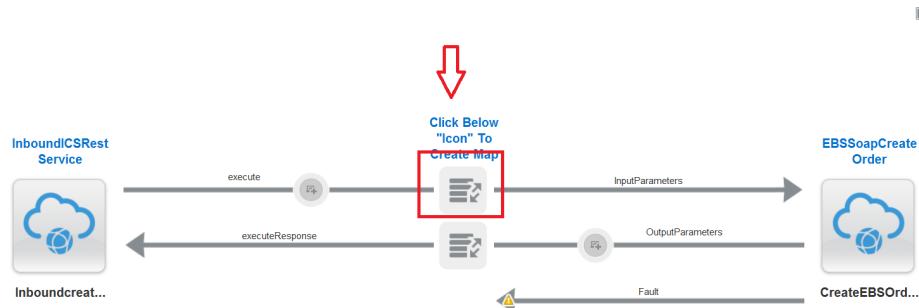


- o Canvas will look as below:



STEP 5: Define the payload mapping

- Click on the Mapper icon to map the inputs from the source (ICS interface) to the Target (EBS Connector interface).
- You will map the order input document you are receiving from your E-Commerce application to the EBS Payload.



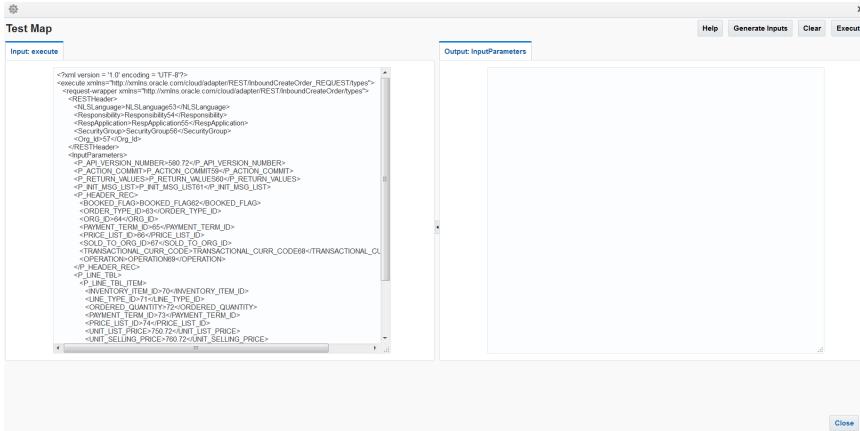
- Map the required elements from source to Target by drag and drop as shown below.

This screenshot shows the Oracle Integration Cloud Service (OIC) Mapper interface. The left pane, titled 'Source', lists the input parameters for the 'execute' operation, including 'P_API_VERSION_NUMBER', 'P_ACTION_COMMIT', 'P_RETURN_VALUES', 'P_INIT_MSG_LIST', 'P_HEADER_REC', 'P_LINE_TBL', and 'P_RTRIM_DATA'. The right pane, titled 'Target', lists the corresponding target parameters, such as 'P_API_VERSION_NUMBER', 'P_INIT_MSG_LIST', 'P_RETURN_VALUES', 'P_ACTION_COMMIT', 'P_HEADER_REC', and various 'ATTRIBUTE' fields (ATTRIBUTE1 through ATTRIBUTE20). A green line highlights a specific mapping between 'P_API_VERSION_NUMBER' in the Source and 'P_API_VERSION_NUMBER' in the Target.

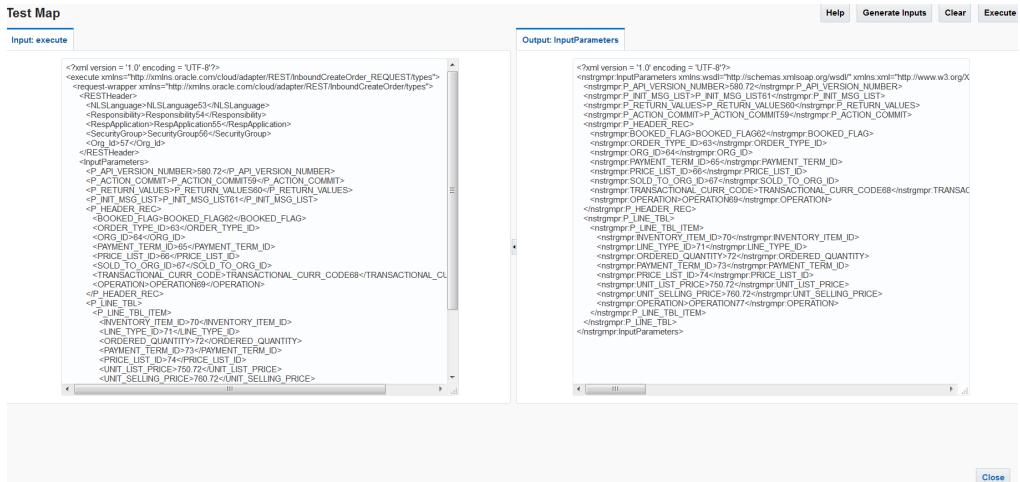
- Before exiting the mapper, you may want to test it. Click on "Test". Below screen will appear, Put the payload in JSON format as below.

This screenshot shows the 'Test Map' dialog box. The 'Input: execute' tab displays a JSON payload for creating an order. The payload includes headers like 'RESTHeader' and 'P_HEADER_REC', and body parameters such as 'P_API_VERSION_NUMBER', 'P_ACTION_COMMIT', 'P_RETURN_VALUES', 'P_INIT_MSG_LIST', 'P_HEADER_REC', 'P_LINE_TBL', and 'P_RTRIM_DATA'. The 'Output: InputParameters' tab is currently empty, indicating no output parameters have been mapped yet.

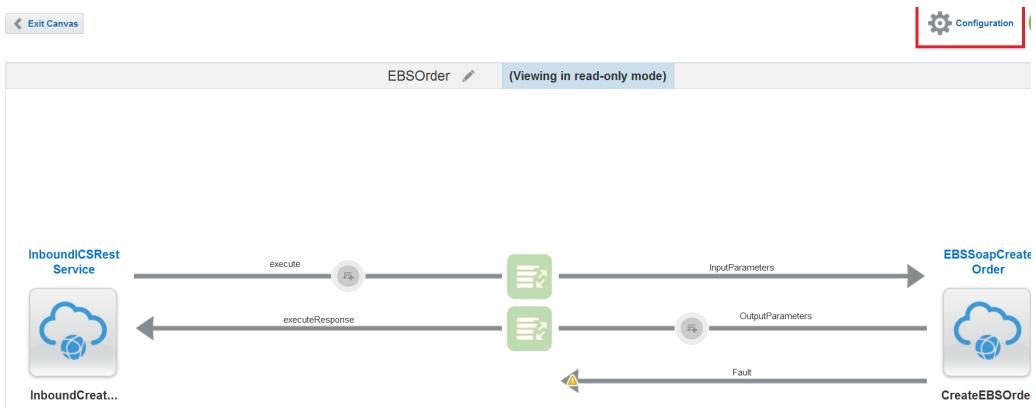
- Click on Generate input to convert to XML format



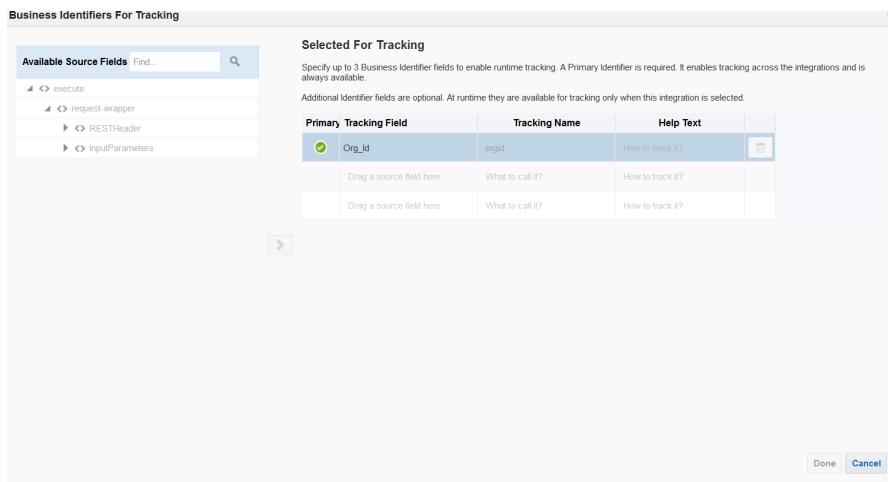
- Click on Execute and you will see order input parameters as below:



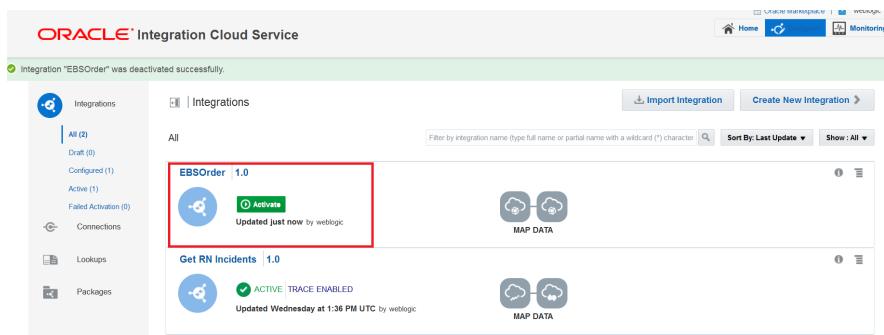
- Click on Close and then Exit Mapper icon to return to Canvas section.
- Click on Configuration icon to complete the configuration



- Drag “Org_id” in Tracking Field and click done.



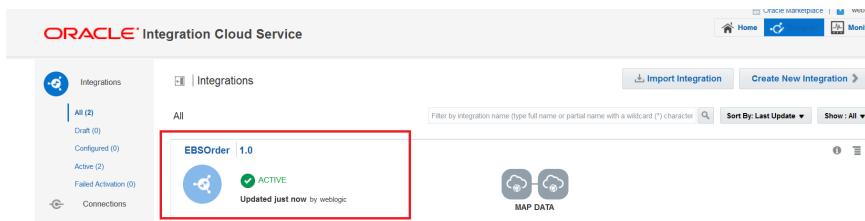
- The ICS Integration flow is now 100% complete.
- Click on Save and Exit Canvas.
- Locate the newly created Integration
- Click Activate to activate the flow.



- Click Activate to confirm the activation.



- The ICS integration service is now active and ready to process requests



Test and Monitor Integration

STEP 6: Test the ICS Integration

- We are using SOAP UI 5.2.0 to POST the payload through REST. To check the endpoint URL, first call the following REST service using GET:

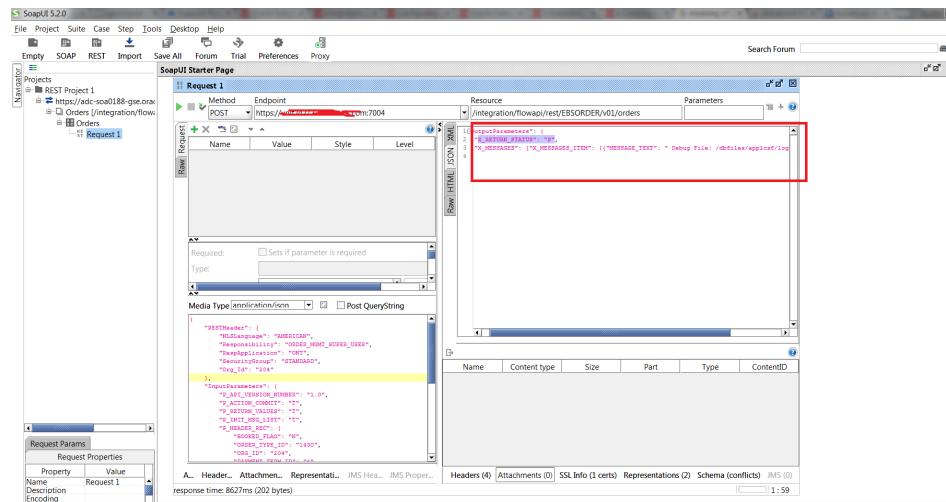
```
https://{{host}}:{{port}}/icsapis/v1/integrations
```

Where:

host and *port* match your ICS instance.

- This will give you back all the integration details, including the endpoint for your REST inbound service
- Call the REST endpoint using the POST method

```
https:// {{host}}:{{port}}/integration/flowapi/rest/EBSORDER/v01/orders
```

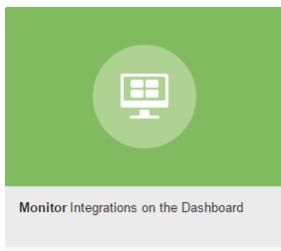


- You can see in the response the X_RETURN_STATUS": "S" which indicates all the operations got completed.

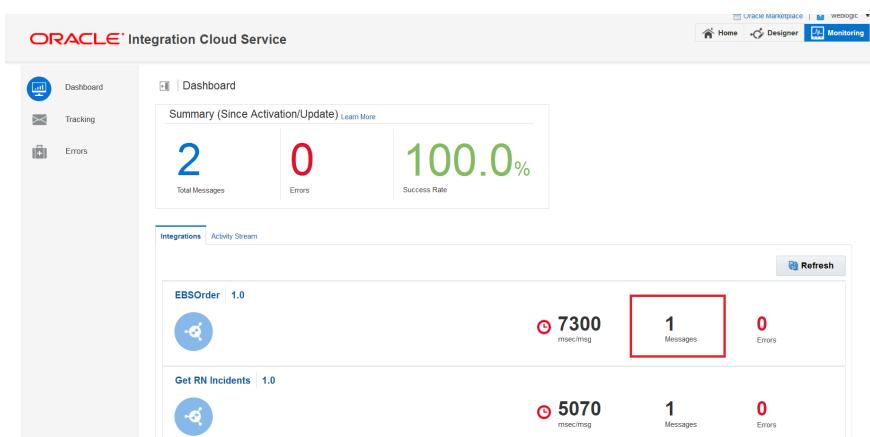
Note:

- Sample payload is in the reference section in JSON format.

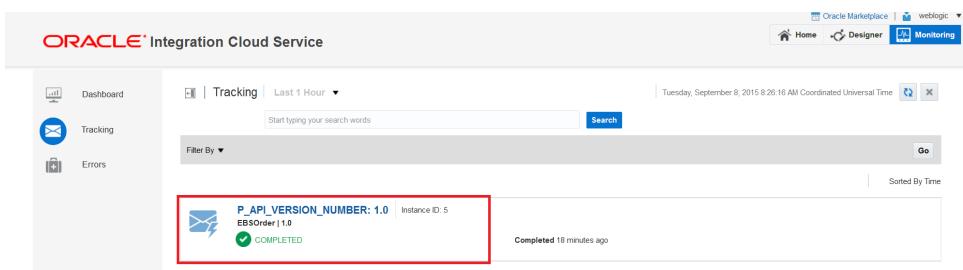
- Navigate back to the ICS home page and click on the Monitor Integrations icon



- You will see the message under EBSorder



- Click on the training tab on left side and you can see the message with Business identifier:



- Click on the messages and you will see the message flow path in green.

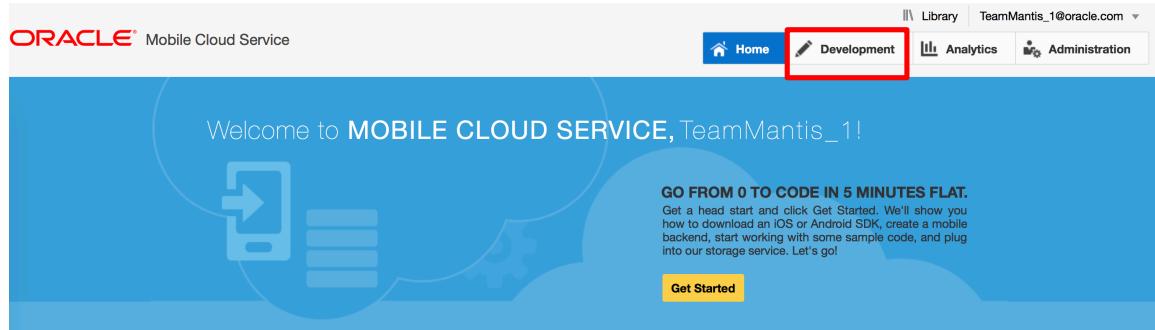


Integrating the inbound ICS REST Service in Mobile Cloud Service

This section will describe how to create a MCS connection to the inbound ICS REST service defined in the steps above. We will first create a REST connector in MCS and then define a custom API which will use the connector.

STEP 7: Create a MCS REST connector

- o Log in into your MCS account
- o Go to Development

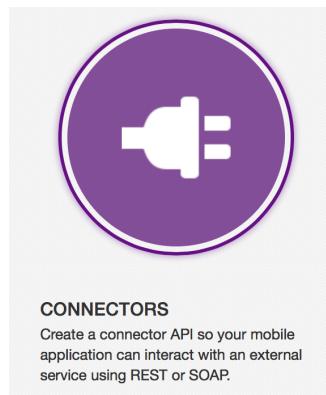


The screenshot shows the Oracle Mobile Cloud Service dashboard. At the top, there are navigation links: Home, Development (which is highlighted with a red box), Analytics, and Administration. Below the navigation bar, a banner says "Welcome to MOBILE CLOUD SERVICE, TeamMantis_1!" with a "Get Started" button. To the left, there's a "Discover" section with a video thumbnail titled "Keeping Tabs on Your Mobile Applications". To the right, there's a "Learn" section with profiles for "Mobile App Developer" and "Service Developer".

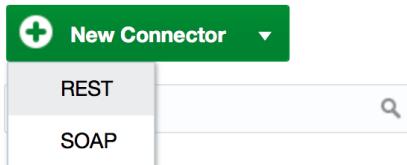
Discover

Learn

- o Click on Connectors



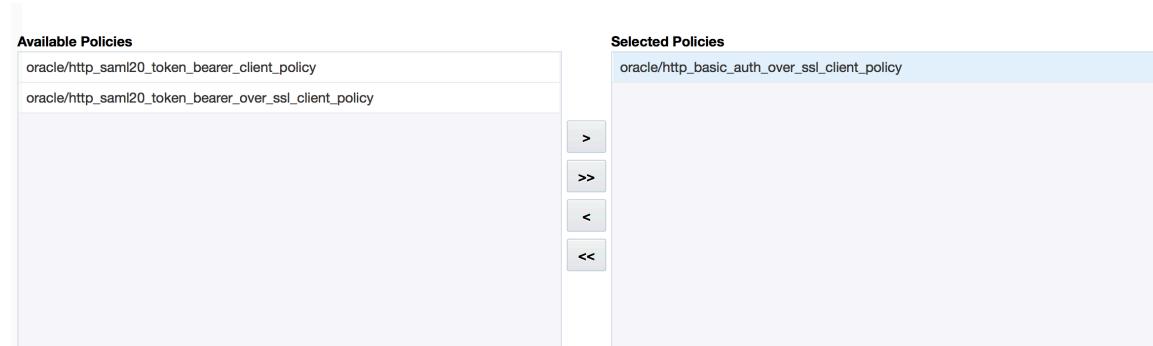
- o New REST connector



- Enter the Display API name, API Name and Remote URL, click Create

This dialog box is titled 'New REST Connector API'. It contains fields for 'Display API Name' (ICSEBSREST), 'API Name' (ICSEBSREST), 'Remote URL' (https://[REDACTED]/integration/flowapi/rest/EBSORDER/v01), and 'Short Description' (Connector to EBS over ICS). A note at the top says 'Provide a name and description for your new REST Connector API, and the path to the remote service it will expose.' There is a character count indicator '75 characters left' and a 'Create' button at the bottom right.

- Go to Security
- Select oracle/ http_basic_auth_over_ssl_client_policy as Security Policy



- Click on the csf-key and create a new key containing the username and password for connecting to your ICS instance



- Go to Test step
- Select method POST
- Enter the Local URI /orders
- Add new HTTP Header
 - Name: Content-Type
 - Value: application/json
- Click Test Endpoint, without any payload

- o You should receive a 200 response

◀ Response Status: 200

Request | Response

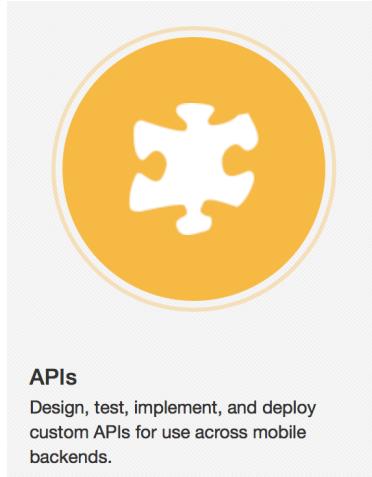
```
HTTP/1.1 200 OK
X-ORACLE-DMS-ECID: 5a67a51e479fa73b:43dd1c99:14f4a5d80d0:-8000-0000000001a806d
Date: Thu, 10 Sep 2015 08:51:41 GMT
Content-Length: 202
Set-Cookie: JSESSIONID=mZQnVxGdHLSR22LMypq21nbgn2TthpvSnT8GnLBLCLfrb1JBFMwp!-920535662; path=/; HttpOnly
oracle-mobile-runtime-version: 15.3.3-201507070814
Content-Type: application/json; charset=UTF-8
X-Powered-By: Servlet/2.5 JSP/2.1
```

```
{
    "OutputParameters" : {
        "X_RETURN_STATUS" : "E",
        "X_MESSAGES" : {
            "X_MESSAGES_ITEM" : [ {
                "MESSAGE_TEXT" : " Debug File: /dbfiles/applicsf/log/10047536.debug"
            } ]
        }
    }
}
```

- o Click Save

STEP 8: Create a MCS custom API

- o Go to Development
- o Click on APIs



- o Click New API
- o Enter API Display Name, API Name and Description

New API

Either upload a valid RAML document to jumpstart your API creation, or enter the information below to get started.

* API Display Name ICSEBS 1.0

* API Name ICSEBS http://unit23585.oracleleads.com:7201/mobile/custom/ICSEBS/

* Short Description API for connecting to EBS through ICS
63 characters left

OR

Upload a RAML document or drag it here.

Create

- Click Create
- Go to Endpoints
- Click New Resource
- Enter /orders as resource and resource name
- Click on Methods

General | Endpoints | Security | Schema | Types | Traits | Documentation

Compact Mode **ON OFF**

New Resource

/orders

Resource Description

orders

Resource Type

Methods >

- Add new POST method
- For Request
 - Add Media Type application/json
 - Add an Example payload (see Appendix 1)
- Click on Responses

Endpoints /orders

POST orders
http://unit23585.oracleleads.com:7201/mobile/custom/ICSEBS/orders

Click to add a method description

RAML Traits

Request **Responses**

Parameters (0) Add Parameter

Body Add Media Type

Media Type application/json

Example Schema

```
{
  "RESTHeader": {
    "NLSLanguage": "AMERICAN",
    "Responsibility": "ORDER_MGMT_SUPER_USER",
    "RespApplication": "ONT",
    "SecurityGroup": "STANDARD",
    "Org_Id": "204"
  }
}
```

- Add following response types
 - 200 OK
 - 404 NOT FOUND
 - 401 UNAUTHORIZED
 - 500 INTERNAL SERVER ERROR
- Click Save
- Go to API Implementations

All APIs ICSEBS 1.0

Endpoints /orders

POST orders
http://unit23585.oracleleads.com:7201/mobile/custom/ICSEBS/orders

Click to add a method description

RAML Traits

Request **Responses**

Parameters (0)

Body

Media Type application/json

Example Schema

```
{
  "RESTHeader": {
    "NLSLanguage": "AMERICAN",
    "Responsibility": "ORDER_MGMT_SUPER_USER",
    "RespApplication": "ONT",
    "SecurityGroup": "STANDARD",
    "Org_Id": "204"
  }
}
```

- Click on JavaScript Scaffold, this will download a zip file
- Extract the zip file, open the package.json file

- Add the new connector reference - "/mobile/connector/ICSEBSREST":"1.0"

```
{
  "name" : "icsebs",
  "version" : "1.0.0",
  "description" : "API for connecting to EBS through ICS",
  "main" : "icsebs.js",
  "oracleMobile" : {
    "dependencies" : {
      "apis" : { },
      "connectors" : {
        "/mobile/connector/ICSEBSREST":"1.0"
      }
    }
  }
}
```

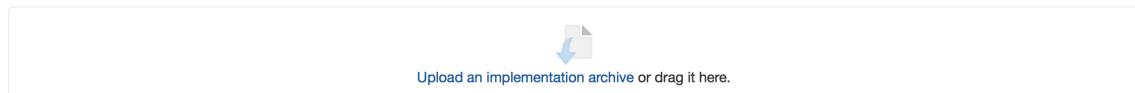
- Open the icsebs.js file
- Modify the POST method implementation

```
service.post('/mobile/custom/ICSEBS/orders', function(req,res) {
  var handler = function(error, response, body) {
    var responseMessage = body;
    if (error) {
      responseMessage = error.message;
    }
    res.status(response.statusCode).send(responseMessage);
    res.end();
  };

  var optionsList = {};
  optionsList.uri = '/mobile/connector/ICSEBSREST/orders';
  optionsList.headers={ 'content-type' :
  'application/json; charset=UTF-8'};

  optionsList.body=JSON.stringify(req.body);
  req.oracleMobile.rest.post(optionsList,handler);
});
```

- Save file
- Zip the icebs folder back
- Upload the new scaffold to MCS by dropping it to the designated area. There should be no error.



- Click Save
- Click Test
- Click Use Example

Parameters	Description	Test Console
BODY	<p>body</p> <p>string Parameter "body" for call "/orders"</p> <p>Example Schema</p> <pre>{ "RESTHeader": { "NLSLanguage": "AMERICAN", "Responsibility": "ORDER_MGMT_SUPER_USER", "RespApplication": "ONT", "SecurityGroup": "STANDARD", "Org_Id": "204" }, "InputParameters": { "P_API_VERSION_NUMBER": "1.0", "P_ACTION_COMMIT": "T", "P_RETURN_VALUES": "T", "P_INIT_MSG_LIST": "T", "P_HEADER_REC": { "BOOKED_FLAG": "N", "ORDER_TYPE_ID": "1430", "ORG_ID": "204", "PAYMENT_TERM_ID": "4", "PRICE_LIST_ID": "1000", "SOLD_TO_ORG_ID": "1002", "TRANSACTIONAL_CURR_CODE": "USD", "OPERATION": "CREATE" } } }</pre>	<p>Use Example</p> <pre>{ "RESTHeader": { "NLSLanguage": "AMERICAN", "Responsibility": "ORDER_MGMT_SUPER_USER", "RespApplication": "ONT", "SecurityGroup": "STANDARD", "Org_Id": "204" }, "InputParameters": { "P_API_VERSION_NUMBER": "1.0", "P_ACTION_COMMIT": "T", "P_RETURN_VALUES": "T", "P_INIT_MSG_LIST": "T", "P_HEADER_REC": { "BOOKED_FLAG": "N", "ORDER_TYPE_ID": "1430", "ORG_ID": "204", "PAYMENT_TERM_ID": "4", "PRICE_LIST_ID": "1000", "SOLD_TO_ORG_ID": "1002", "TRANSACTIONAL_CURR_CODE": "USD", "OPERATION": "CREATE" } } }</pre>
<ul style="list-style-type: none"> o Click Test Endpoint o You should receive a 200 OK response 		<p>Test Endpoint</p>
<p>Response Status: 200</p> <p>Request Response</p> <pre>HTTP/1.1 200 OK X-ORACLE-DMS-ECID: 5a67a51e479fa73b:43dd1c99:14f4a5d80d0:-8000-0000000001a85c9 Date: Thu, 10 Sep 2015 09:12:28 GMT Vary: X-HTTP-Method-Override Content-Length: 202 Set-Cookie: JSESSIONID=MJWTVxJc1mf0wTJ1bBTrBn0LLsBDkPrV3j553HSQy1RcDgpcR7Hn!-920535662; path=/; HttpOnly oracle-mobile-runtime-version: 15.3.3-201507070814 Connection: keep-alive Content-Type: text/html; charset=utf-8 X-Powered-By: Express X-Powered-By: Servlet/2.5 JSP/2.1</pre> <pre>{ "OutputParameters" : { "X_RETURN_STATUS" : "S", "X_MESSAGES" : ["X_MESSAGES_ITEM" : [{ "MESSAGE_TEXT" : " Debug File: /dbfiles/applicsf/log/10047536.dbg" }] } } }</pre>		

Appendix 1 – Sample JSON Request Payload

```
{  
    "RESTHeader": {  
        "NLSLanguage": "AMERICAN",  
        "Responsibility": "ORDER_MGMT_SUPER_USER",  
        "RespApplication": "ONT",  
        "SecurityGroup": "STANDARD",  
        "Org_Id": "204"  
    },  
    "InputParameters": {  
        "P_API_VERSION_NUMBER": "1.0",  
        "P_ACTION_COMMIT": "T",  
        "P_RETURN_VALUES": "T",  
        "P_INIT_MSG_LIST": "T",  
        "P_HEADER_REC": {  
            "BOOKED_FLAG": "N",  
            "ORDER_TYPE_ID": "1430",  
            "ORG_ID": "204",  
            "PAYMENT_TERM_ID": "4",  
            "PRICE_LIST_ID": "1000",  
            "SOLD_TO_ORG_ID": "1002",  
            "TRANSACTIONAL_CURR_CODE": "USD",  
            "OPERATION": "CREATE"  
        },  
        "P_LINE_TBL": {  
            "P_LINE_TBL_ITEM": {  
                "INVENTORY_ITEM_ID": "149",  
                "LINE_TYPE_ID": "1427",  
                "ORDERED_QUANTITY": "1",  
                "PAYMENT_TERM_ID": "4",  
                "PRICE_LIST_ID": "1000",  
                "UNIT_LIST_PRICE": "12.55",  
                "UNIT_SELLING_PRICE": "12.55",  
                "OPERATION": "CREATE"  
            }  
        },  
        "P_RTRIM_DATA": "n"  
    }  
}
```

Appendix 2 – Sample JSON Response Payload

```
{  
  "OutputParameters": {  
    "@xmlns:xsi": "http://www.w3.org/2001/XMLSchema-instance",  
    "@xmlns":  
      "http://xmlns.oracle.com/apps/ont/rest/GseSalesOrder01/process_order/",  
    "X_RETURN_STATUS": "E",  
    "X_MESSAGES": {  
      "X_MESSAGES_ITEM": [{  
        "MESSAGE_TEXT": "Header ID does not exist on this record or does not  
match ID specified on header record. You require a valid header ID if the operation is  
Create."  
      }, {  
        "MESSAGE_TEXT": "Debug File: /dbfiles/applicsf/log/l0047537.dbg"  
      }]  
    }  
  }  
}
```