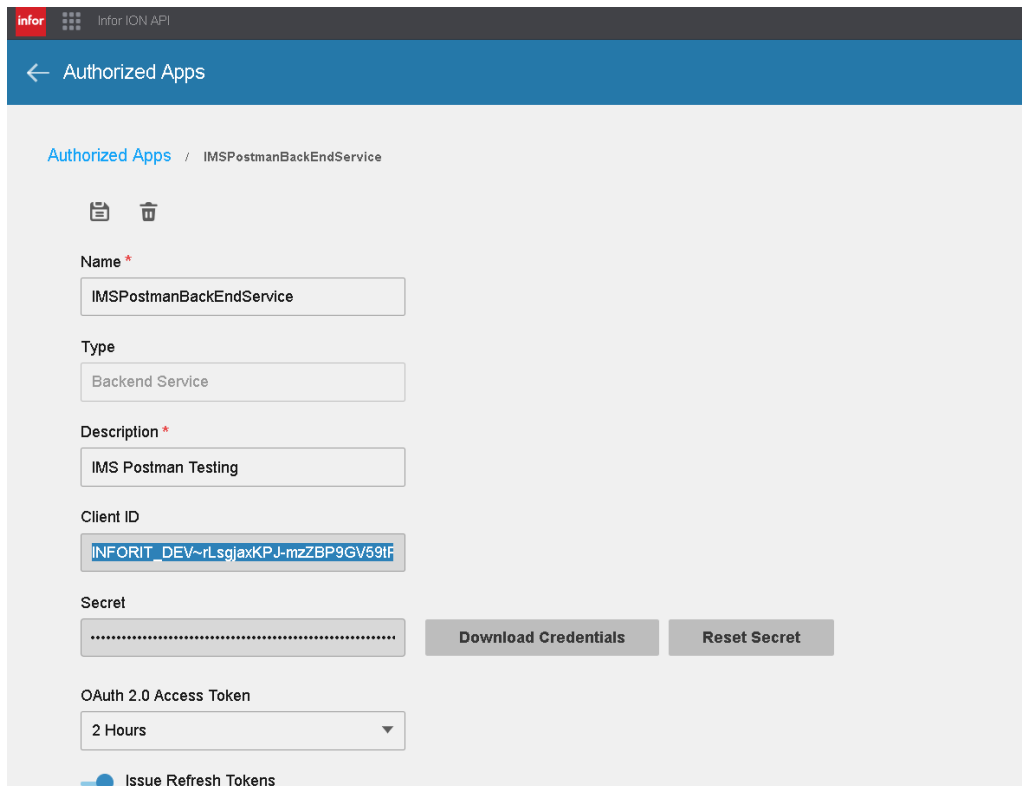# OneWay IMS Setup

With Postman Configuration

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Contents

ION API Authorized Apps – BackEnd Service

Step 1: Create an authorized App under ION API as a BackEnd Service

- Provide Name , Type, Description and click on Save. Client ID, Secret will be automatically populated.

Step 2: Download the Credentials

- Click on download credentials and provide a Service Account to be downloaded with.

Download Credentials

Service account credentials will only be included if Create Service Account is enabled

🔵 Create Service Account

Associate a user to this service account if the request needs to be made with user context.

User Name

| Vignesh Subramanian   x |

This will be your only opportunity to download these credentials. You are responsible for storing these credentials securely.

| DOWNLOAD | CANCEL |

A JSON file IMSPostmanBackEndService.ionapi similar to below will be generated.

```
{
  "ti": "INFORIT_DEV",
  "cn": "IMSPostmanBackEndService",
  "ci": "INFORIT_DEV~Legj1anKPI_wnEPP0GV59tPPXpG~20~Sa7GFMlqyBk4",
  "cs": "2Vl7uxAP7HCngrbiHCXxMlJeJJ8nC4SeEsl1HDN7VJH27bqtgiBoKmXhxu8UUZeSdQCdyxzswo6kxgWStZCwEg",
  "iu": "https://mingle-integ02-ionapi.mingle.awsdev.infor.com",
  "pu": "https://mingle-integ02-sso.mingle.awsdev.infor.com:443/INFORIT_DEV/as/",
  "oa": "authorization.oauth2",
  "ot": "token.oauth2",
  "or": "revoke_token.oauth2",
  "ev": "A1503330585",
  "v": "1.0",
  "saak": "INFORIT_DEV#pXcQPtVit08VQ1OmG1y3GT4kcvkEBphMqEVEM2fPP0WytE1app3GW6gjK_RGFMTiK5uhakuEkAcnBMqScMT0g",
  "sask": "s1Re0ryoIpNc9WW2_41FWiNp7o11Gh1Nb0H30UGV6LMVftWcR0nZ_9mmfmFtc4JWIcqEb_6510r_GNTRoV-b5Q"
}
```

IMS (ION Messaging Service) Connection point for the BackEnd Service

Step 1: Client ID
- After creating a Backend service under the Authorized Apps, copy the Client ID from the created Backend service.

Step 2: One way IMS connection Point
- Go to ION Desk → connect → Connection points
- Click on ADD + and select IMS via ION API
- Uncheck the Application has IMS End point. (If you check this, the connection point has to expose IMS APIs.)


Step 3: Add Documents
- Click on documents tab and add documents either custom or Standard whichever 3P is trying to send to ION.
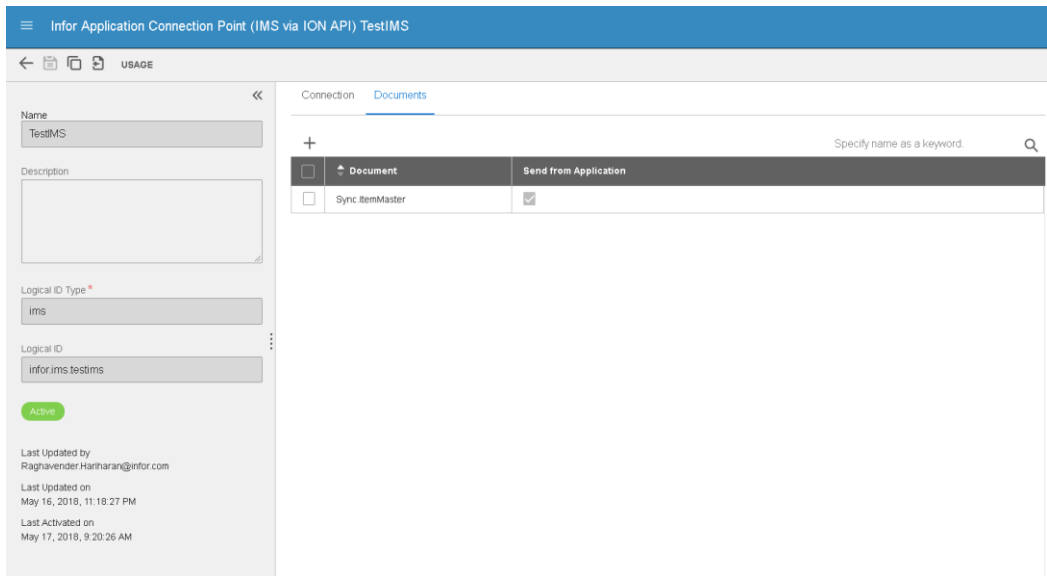
Step 4: Make your document flow.

- Create a File Connection point that can receive a Sync.ItemMaster BOD
- Make a Document flow where the first step is the Oneway IMS CP created above and the second step is the File Connection point.
- Select the document between the steps as Sync.ItemMaster
- Activate the flow
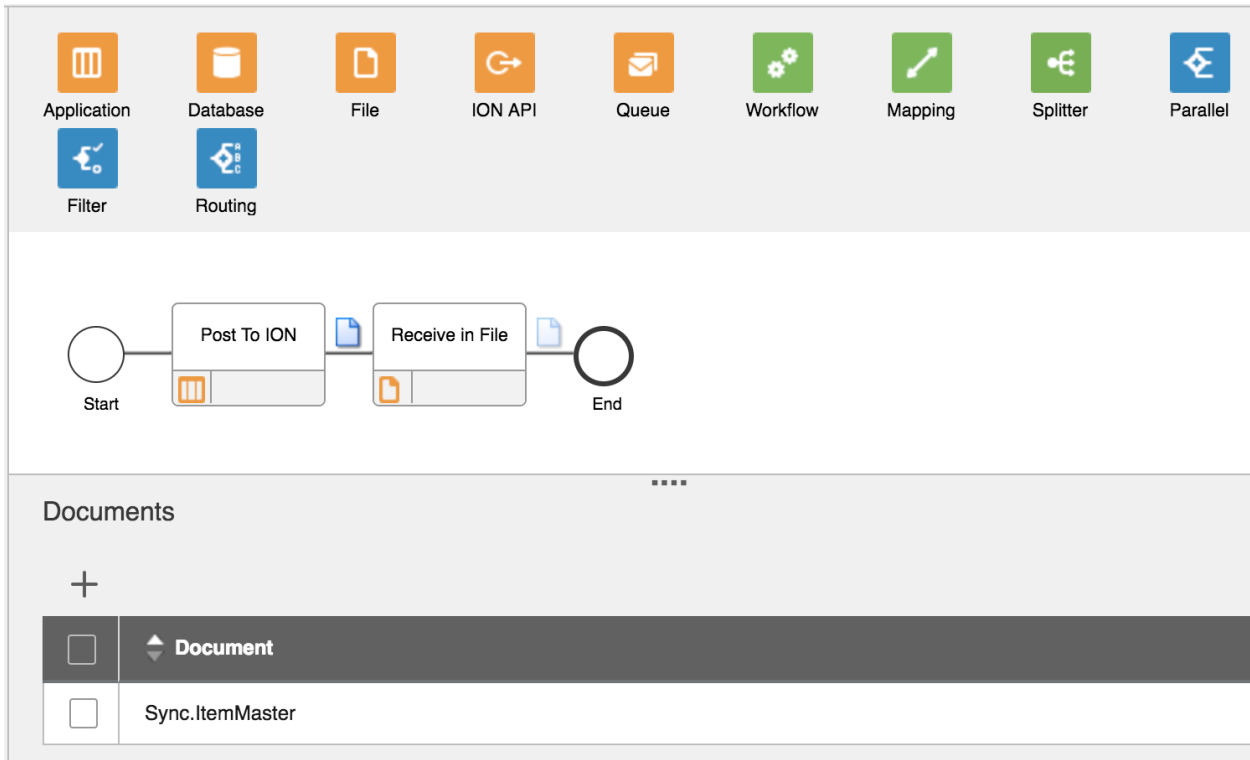
Postman configuration for BackEnd Service

Step1: Create a Authorization and access token

- Select the Type as Oauth 2.0 under the Authorization tab.

- Click on Get New Access token and enter the below information as needed.
  - Token Name – Readable Name
  - Grant Type – Password Credentials
  - Access token URL – Mix of PU and OT values from IMSPostmanBackEndService.ionapi
  - Username – saak from IMSPostmanBackEndService.ionapi
  - Password – sask from IMSPostmanBackEndService.ionapi
  - Client ID – ci from IMSPostmanBackEndService.ionapi
  - Client Secret – cs from IMSPostmanBackEndService.ionapi
 - Client Authentication – Send as Basic Auth Header

GET NEW ACCESS TOKEN   ✕

Token Name	Prague_Token
Grant Type	Password Credentials ▾
Access Token URL ⓘ	https://mingle-integ02-sso.mingle.awsdev.infor.com:443/DEVTRAINING_TST/as/token.oauth2
Username	DEVTRAINING_TST#AeRcAtCxsbmCqql2GaMVRhb6UAetkEg0pH0YO...
Password	jjhWrndim-uwH7MBBh2wHtlSnlviXZ-dl9_6BC09MC7qEtF_vQTGs9Ql...
	☑ Show Password
Client ID ⓘ	DEVTRAINING_TST~Rf93_-O7MlPY04XoGhXmVOJJaZ5JOvECnuSA_3_...
Client Secret ⓘ	S5llQ6I4eFtWsDH2l-uaRJgV7AxidfB1enV1Do7cT6KKlyVkYCJvqqMQe...
Scope ⓘ	e.g. read:org
Client Authentication	Send as Basic Auth header ▾

<div align="center">

Request Token

</div>

- Click on Request Token and click on Use Token.
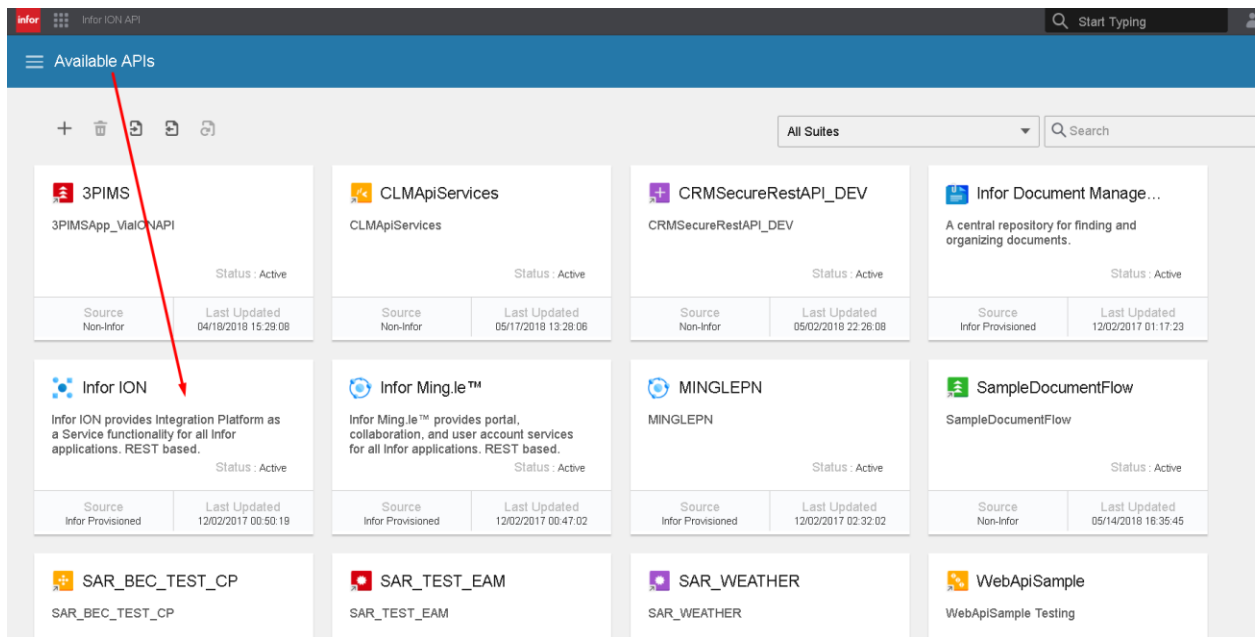- Click on Preview Request under Authorization tab.

Step 2: Add a Content Type under Headers
- Move to the Headers tab
- Add a new Key-Value pair with the following details (as you type, you can select the entry from the drop down)
  - Key= content-type
  - Value= application/xml
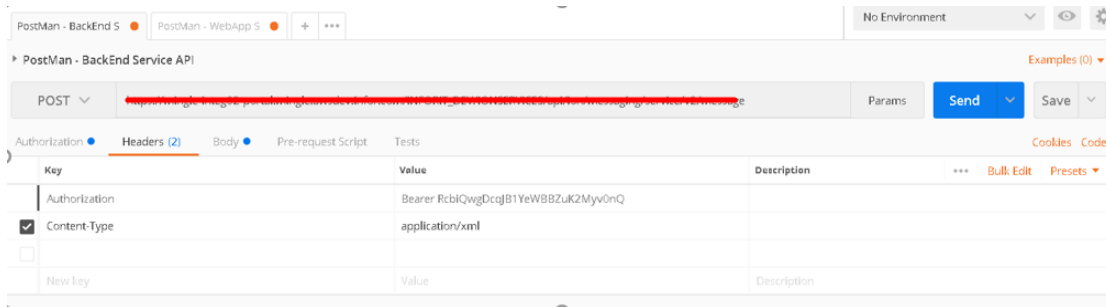
Step 3: Test the Connection:

- Lets test the connection by doing a Ping.
- Method for posting the content would be **GET**
- URL will be the ION messaging service URL which is already configured in ION API.
- To check this: Go to Infor ION API → Available APIs → Infor ION

- Under Infor ION click on appropriate details for End point which receives the document into ION.

- Copy the Endpoint URL and paste under the Postman URL section. For calling the PING method of ION's IMS interface, you have to add '/ping' to the end of the Endpoint URL.
- Click "Preview Request" button on the middle left side of the oage
  - o Tip: Refer to the documentation to know the path of each individual operation.
- Hit the "Send" button. You should get a OK response.

Step4: Configure the Post message

- Method for posting the content would be **POST**
- The Base URL will be the same ION messaging service end point URL which is noted in ION API.
- For posting a message, you have to add the suffix '/v2/message' to the Postman URL section.

Body Section

- Move to the Body tab.
- Select 'raw' radio button.
- Provide the XML needed under the body section. The XML is predefined and has some mandatory elements to be provided as part of XML. Here is a handy explanation. Check the Swagger documentation for details.
  - DocumentName – Name of the document to be sent to ION
  - messageId – Unique ID
  - from Logical ID – From where we are sending this. This is the LID of the oneway IMS Connection point defined in desk.
  - to Logical Id – normally 'lid://default'
  - document
    - value – Actual XML encoded64
    - encoding- NONE
    - CharacterSet – UTF-8
  - Additional Properties – Optional, can be give as needed

XML Prototype

```xml
<?xml version="1.0" encoding="UTF-8"?>
<messageRequest>
        <documentName>Sync.ItemMaster</documentName>
        <messageId>msg#1234555</messageId>
        <fromLogicalId>lid://infor.ims.testims</fromLogicalId>
        <toLogicalId>lid://default</toLogicalId>
        <document>
                <value>Encoded XML Value</value>
                <encoding>NONE</encoding>
                <characterSet>UTF-8</characterSet>
        </document>
        <additionalProperties>
                <accountingEntity>infor12344</accountingEntity>
                <location>nlregtest3</location>
                <documentId>doc1234587</documentId>
                 <variationId>1</variationId>
                 <revisionId>6784</revisionId>
                <batchId>infor.SSJE:1</batchId>
                <batchSequence>2</batchSequence>
                <batchSize>1</batchSize>
                <batchRevision>1</batchRevision>
                <batchAbortIndicator>true</batchAbortIndicator>
        </additionalProperties>
</messageRequest>
```

Step 5: Send the XML

- Click 'Send' to post the XML from Postman into ION API.

- Check if the Sync.ItemMaster BOD is written to the destination. Also check the message status in one view.