



Infor OS[®]

OneWay IMS Setup

With Postman Configuration

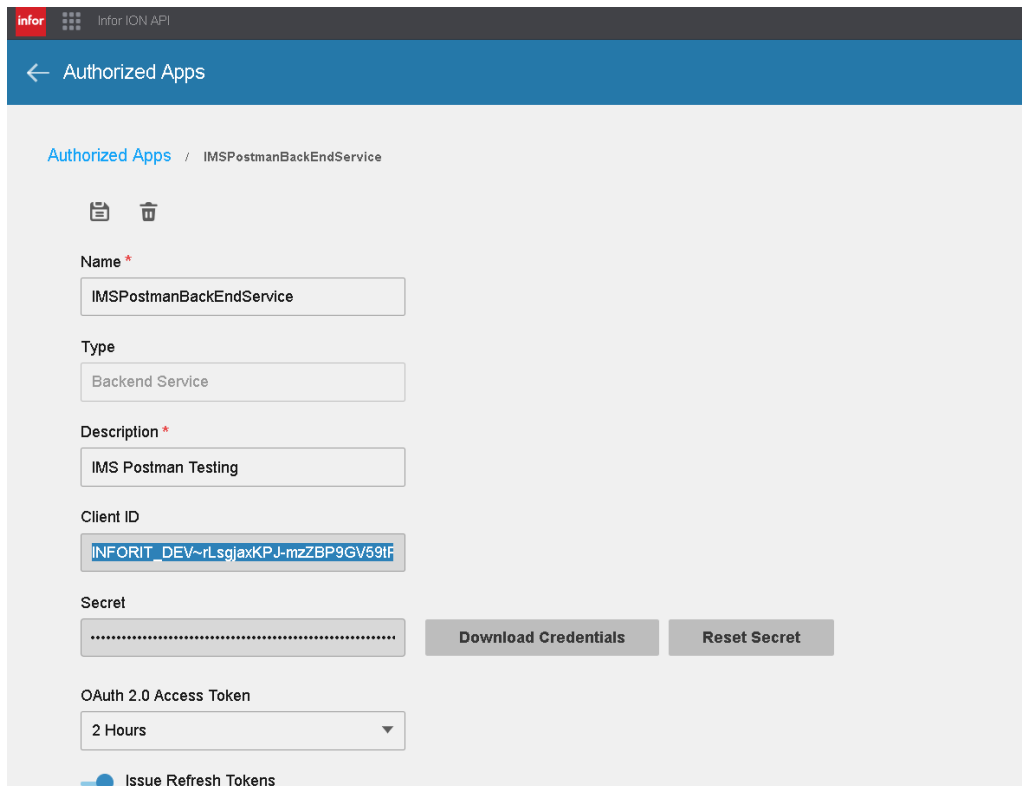
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ION API Authorized Apps – BackEnd Service

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



The screenshot shows the 'Authorized Apps' configuration page in the ION API interface. The page title is 'Authorized Apps' with a back arrow. Below the title, the breadcrumb path is 'Authorized Apps / IMSPostmanBackEndService'. There are two icons: a document icon and a trash icon. The form fields are as follows:

- Name ***: IMSPostmanBackEndService
- Type**: Backend Service
- Description ***: IMS Postman Testing
- Client ID**: INFORIT_DEV~rLsgJaxKP J-mzZBP9GV59lf
- Secret**: A field containing a series of dots, with 'Download Credentials' and 'Reset Secret' buttons to its right.
- OAuth 2.0 Access Token**: A dropdown menu set to '2 Hours'.
- Issue Refresh Tokens**: A radio button that is currently selected.

- 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

 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/Integ02-IONAPI/22B004C04DD7E00A3706M1-D14",
  "cs": "2V17uxAP7HCngrbiHCXxM1JeJJ8nC4SeEsl1HDN7VJH27bqTgiBoKmXhXu8UUZeSdQCdyzsw06kxgWStZCwEg",
  "iu": "https://mingle-integ02-ionapi.mingle.awsdev.infor.com",
  "pu": "https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/api",
  "oa": "authorization.oauth2",
  "ot": "token.oauth2",
  "or": "revoke_token.oauth2",
  "ax": "A1503330585",
  "v": "1.0",
  "saak": "INFORIT_DEV/p1q2PvYt001Q21CnGly20T41v1EDp1MqBvB42FFD9WtP11pp201CgJK-R0BMT-2K54h4k0B13-2M1q0MFS",
  "sask": "INFORIT_DEV/p1q2PvYt001Q21CnGly20T41v1EDp1MqBvB42FFD9WtP11pp201CgJK-R0BMT-2K54h4k0B13-2M1q0MFS"
}
```

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.)

Infor Application Connection Point (IMS via ION API) TestIMS

USAGE

Name: TestIMS

Description:

Logical ID Type*: ims

Logical ID: infor.ims.testims

Active

Last Updated by: Raghavender.Hariharan@infor.com
Last Updated on: May 16, 2018, 11:18:27 PM
Last Activated on: May 17, 2018, 9:20:26 AM

Connection Documents

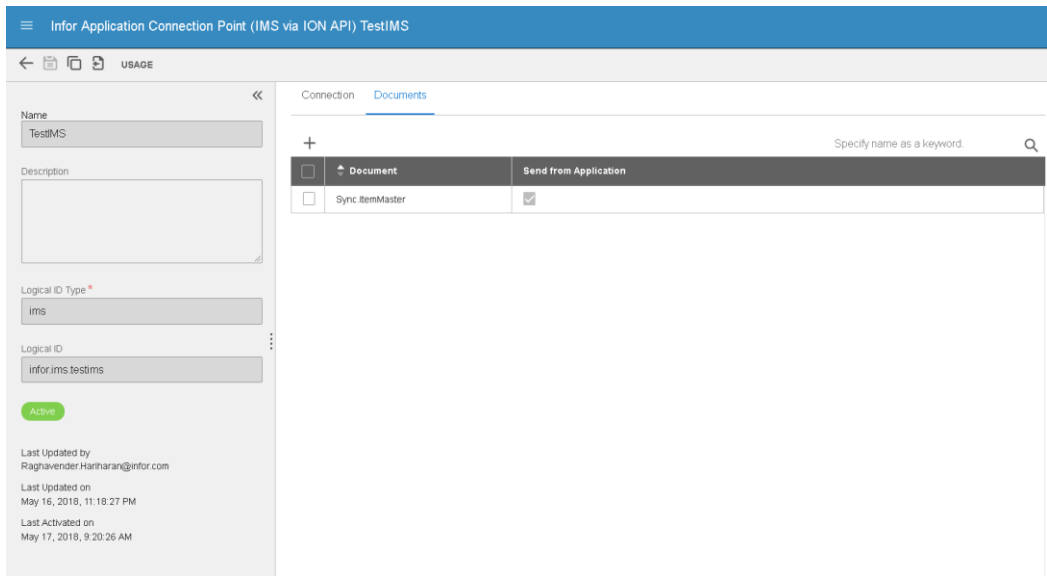
Application has IMS End Point

Authorization

ION API Client Id*: INFORIT_DEV~rLsgjaxkPJ-mzZBP9GV59tPPXpCr99xGc7CZMicyDh4

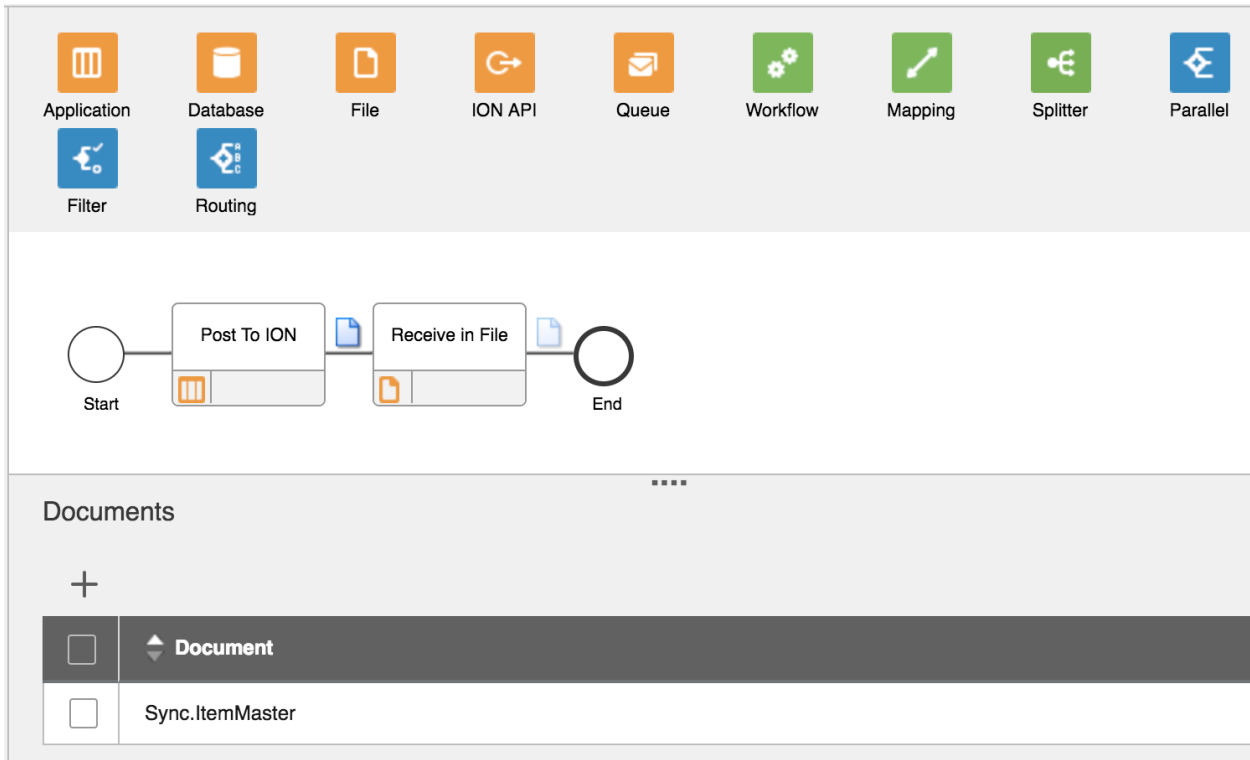
Step 3: Add Documents

- 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.

The screenshot shows the Postman interface for configuring an Oauth 2.0 authorization. The top bar displays 'PostMan - BackEnd S' and 'PostMan - WebApp S' tabs, along with a 'No Environment' dropdown. The main area shows a 'POST' request to 'https://mingle-integ02-portal.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/api/ion/messaging/service/v2/message'. The 'Authorization' tab is selected, showing 'OAuth 2.0' as the type. A warning message states: 'Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables'. The 'Access Token' field contains 'RcbiQwgDcqjB1YeWBBZuK2Myv0nQ'. Below it is a 'Get New Access Token' button. The left sidebar shows 'TYPE' set to 'OAuth 2.0', a note about automatic generation, and 'Add authorization data to' set to 'Request Headers'. A 'Preview Request' button is at the bottom left.

- 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

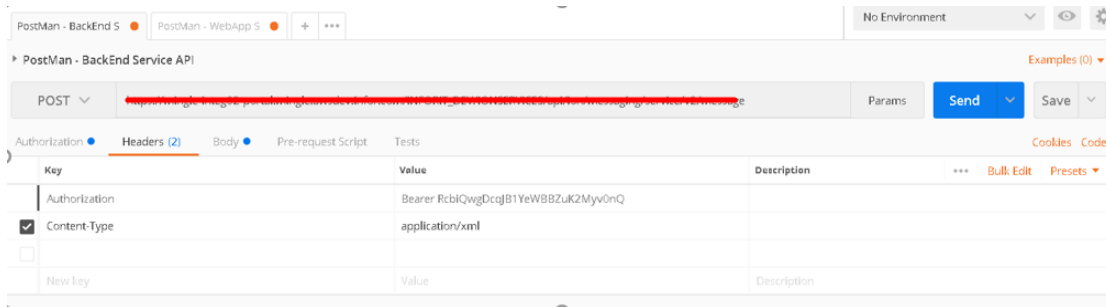
GET NEW ACCESS TOKEN ✕

Token Name	<input type="text" value="Prague_Token"/>
Grant Type	<input type="text" value="Password Credentials"/>
Access Token URL i	<input type="text" value="https://mingle-integ02-sso.mingle.awsdev.infor.com:443/DEVTRAINING_TST/as/token.oauth2"/>
Username	<input type="text" value="DEVTRAINING_TST#AeRcAtCxsbmCqqI2GaMVRhb6UAetkEg0pH0YO..."/>
Password	<input type="text" value="jjhWrndim-uwH7MBBh2wHtlSnlviXZ-dI9_6BC09MC7qEtF_vQTGs9QI..."/> <input checked="" type="checkbox"/> Show Password
Client ID i	<input type="text" value="DEVTRAINING_TST~Rf93_-O7MIPY04XoGhXmVOJJaZ5JOvECnuSA_3_..."/>
Client Secret i	<input type="text" value="S5IIQ6I4eFtWsDH2I-uaRjgV7AxidfB1enV1Do7cT6KKlyVkyCJvqqMQe..."/>
Scope i	<input type="text" value="e.g. read:org"/>
Client Authentication	<input type="text" value="Send as Basic Auth header"/>

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

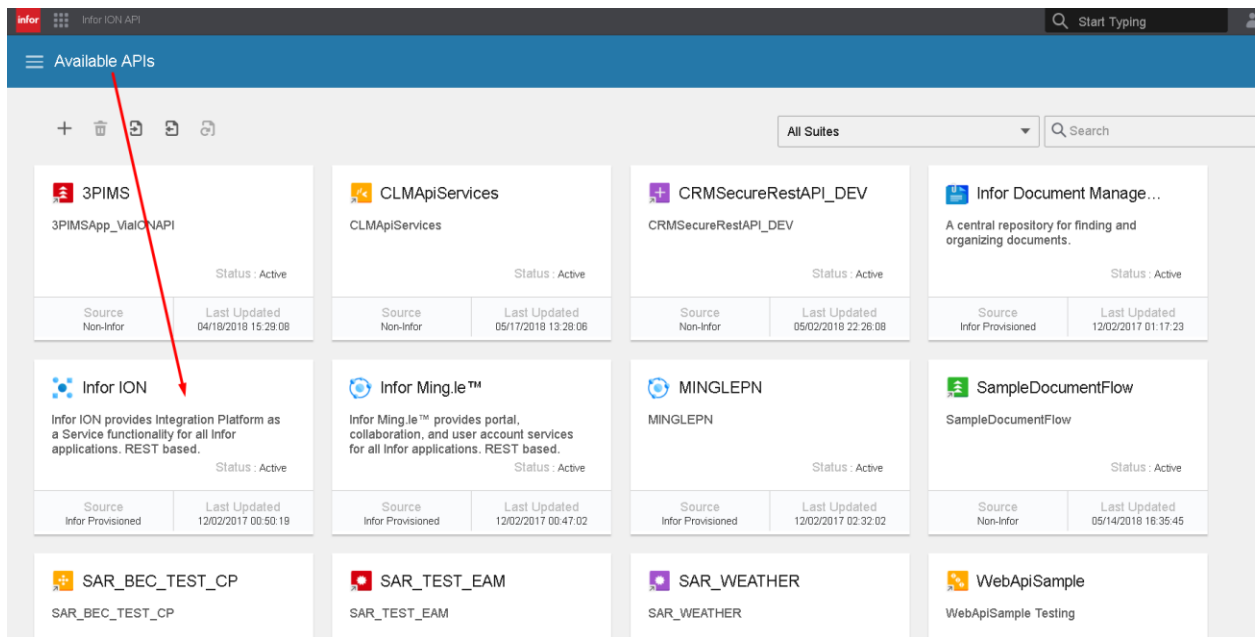
Step 2: Add a Content Type under Headers

- 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.

Infor ION API

Available APIs / Infor ION

Infor ION provides Integration Platform as a Service functionality for all Infor applicat...

Endpoints

Search

Endpoint	Description	Documentation	Details
https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/oneviewapi	ION OneView API	📄	→
https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/alarmservice	Using the ION Alarm Service API you can define, start and stop Alarms	📄	→
https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/datalakeapi	Using the DataLake API Service you can discover and stream out objects from your DataLake	📄	→
https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/api/ion/messaging/service	The ION Messaging Service can be used to send documents into ION	📄	→
https://mingle-integ02-ionapi.mingle.awsdev.infor.com/INFORIT_DEV/IONSERVICES/process/application	Using the ION Process Application API you can access the Process Application functionality	📄	→

- 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
 - Tip: Refer to the documentation to know the path of each individual operation.
- Hit the "Send" button. You should get a OK response.

Prague_PingMessage

GET https://mingle-integ02-ionapi.mingle.awsdev.infor.com/DEVTRAINING_TST/IONSERVICES/api/ion/messaging/service/ping Params Send

Authorization Headers (2) Body Pre-request Script Tests

Key	Value	Description
Authorization	Bearer ULZpsh19wBDgzNIZZf7mtC2APZt1	
<input checked="" type="checkbox"/> Content-Type	application/xml	
New key	Value	Description

Body Cookies (2) Headers (13) Test Results Status: 200 OK Time: 261 ms

Pretty Raw Preview XML

```

1 <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2 <pingResponse>
3   <status>OK</status>
4   <code>200</code>
5   <errors/>
6 </pingResponse>

```

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
 - CharSet – UTF-8
 - Additional Properties – Optional, can be give as needed

XML Prototype

```
<?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>niregtest3</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.

The screenshot shows a Postman interface for a POST request to `https://mingle-integ02-ionapi.mingle.awsdev.infor.com/DEVTRAINING_TST/IONSERVICES/api/ion/messaging/service/v2/m...`. The request body is XML, and the response is also XML.

Request XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<messageRequest>
  <documentName>Sync.ItemMaster</documentName>
  <messageId>msg#1234555</messageId>
  <fromLogicalId>lid://infor.ims.vs_ionclient</fromLogicalId>
  <toLogicalId>lid://default</toLogicalId>
  <document>
    <value>PD94bWwgdMvyc2lvcj0iMS4wIj8
    +DQo8U3luY0l0ZW1NYXN0ZXINCgl4bWxuc20iaHR0cDovL3NjaGVTYS5pbmZvcj5jb20vSW5mb3JlPQudJlY8yIgc0KCXhtbG5z0nhzaT0iaHR0cDovL3d3dy53My5vcmc
    vMjAwMS9YUxTYzhlbWEtaW5zdGFuY2UiDQoJeHNpOnNjaGVtYUxvY2F0aW9uPSJodHRwOi8vc2NoZW1hLmLuZm9yLmNvbS9JbmZvcj9BR01TLzIgaHR0cDovL3NjaGV
    tYS5pbmZvcj5jb20vMi43LjAvSW5mb3JlPQudJlY9CT0RzL0RldmVsb3Blci9TeW5jSXRlbU1hc3R1ci54c2QiDQoJeG1sbnMGeHNKPSJodHRwOi8vd3d3LnczLm9yZy8
    yMDAxL1hNTFNjaGVtYSINCglzWw1YXNlSUQ9IjkuMiINCgl12ZXJzaW9uSUQ9IjIuNy4wIj4NCgk8QXBwG1jYXRpb25BcmVhPg0KCk8U2VvZGVyPg0KCkJPExvZ2Zl
    jYXwzRD5saWQ6Ly9pbmZvcj5sbi5ubGJhdWR2MTE4MDVvTG9naWNBbE1EPg0KCkJPENvbnVudE1EPmVycDwvQ29tcG9uZW50SUQ
    +DQoJQk8Q29uZmlybWV0aW9uQ29kZT5PbkVycm9yPC9Db25maXJtYXRpb25Db2RlPg0KCk81N1lbnRlcj4NCgkJPENyZWV0aW9uRGF0ZVRpbWU
    +MjAxMi0wNS0wM1QwMDozNzozOFo8L0NyZWV0aW9uRGF0ZVRpbWU
    +DQoJCTxt0RJRd5pbmZvcj5uaWQ6aW5mb3JlPQudJlY8yIgc0KCXhtbG5z0nhzaT0iaHR0cDovL3d3dy53My5vcmc
    +DQoJPC9BcmVhbnRlcj5ubGJhdWR2MTE4MDVvTG9naWNBbE1EPg0KCk8U3luYz4NCgkJPENvbnVudE1EPmVycDwvQ29tcG9uZW50SUQ
    +DQoJQk8QWVudG1vbkFyZWE+DQoJPERhdGF8cmVhPg0KCk8U3luYz4NCgkJPENvbnVudE1EPmVycDwvQ29tcG9uZW50SUQ
    +DQoJQk8QWVudG1vbkFyZWE+DQoJPERhdGF8cmVhPg0KCk8U3luYz4NCgkJPENvbnVudE1EPmVycDwvQ29tcG9uZW50SUQ
    pYT4NCakJC0k8OWN0aW9uRXhwcmVzc2lvcj0iMS4wIj8
  </document>
</messageRequest>
```

Response XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<messageResponse>
  <status>OK</status>
  <code>201</code>
  <errors/>
  <message>Published successfully</message>
</messageResponse>
```

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