Infor LN Configuration Guide for Infor ION API

Infor LN 10.5
Xi Platform 12.x
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About this guide

This guide provides information for the configuration of Infor LN with Infor ION API in single tenant scenario.

Use this guide when Infor LN and Infor Xi Platform are installed in the single tenant cloud.

Note: In case of Multitenant, all the configuration is done by Cloud Suite Provisioning team automatically. See Chapter 3: Verifying the configuration for testing the configuration.

Intended audience

This guide is intended for the Cloud Tenant Administrator who configures Infor LN for use with Xi Platform, specifically with ION API.

Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal at www.infor.com/inforxtreme.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.
Chapter 1  Requirements

Ensure that all the requirements are met.

Required products

Install and configure these products:

- Infor Xi Platform release 12.0.8 and later
  The installation of Xi Platform includes these products:
  1. Infor Ming.le
  2. Infor ION
  3. Infor Document Management
  4. ION Grid
  The server on which the Infor XI is installed must connect to the servers on which Infor LN and Infor Enterprise Server connector for Web services are installed.
  SAML session provider is installed with Xi Platform and must be configured correctly for your application.
  See the Infor Xi Platform Installation Guide.
- Infor LN 10.5 and later
- Infor Enterprise Server connector for Web services (C4WS)
  The latest solution from KB 22881149 must be installed.
  See the Enterprise Server Connector for Web Services Administration and User guide.
Required information

During the planning phase, you must provide this information:

- An administrator account for Infor Ming.le and ION API.
- Name of the Infor LN instance or logical ID that is used to connect with Infor ION.
- Tenant ID that is used to connect the product to Xi Platform in Infor ION.

**Note:** See Integrating Infor Ming.le – LN Application (Platform Xi version) section of the *Infor LN UI Administration Guide*.

- LN Connections configured during installation of Infor Enterprise Server Connector for Web Services. See ERP server configuration section of the *Infor Enterprise Server Connector for Web Services Administration and User guide*.
Chapter 2  Setting up ION APIs for LN

This chapter explains the configuration of ION API for Infor LN.

The ION API acts as an intermediary between API consumers (such as web, mobile, and fat client applications) and backend providers (API servers). In this case, C4WS is the API server for Infor LN.

Configuring an API suite for LN

To configure the LN API Suite:

1  Log on to the Infor Ming.le portal.

   These security roles are required:
   •  Infor-SystemAdministrator
   •  IFSApplicationAdmin
   •  ION API Administrator

2  Click on the Application Switcher ( ) and select Infor ION API.

3  On the ION API Application screen, click + to add a new API Suite.

4  Specify this information:
   
   **Suite Type**
   
   Set Suite type to Infor Non-Provisioned.

   **Application Name**
   
   Set Application Name to LN.

   **Version**
   
   Specify the required LN version. Ensure that this LN version is the same as the LN backend to which the C4WS’s ERP server points to.

   **Suite Name**
   
   Specify the Suite Name.

   **API Context**
   
   The default value is LN. Do not modify this value.
Setting up ION APIs for LN

**Description**
The default value is LN. This is a display field.

**Suite Icon**
Select an appropriate icon.

**Use HTTPS**
Enable this feature.

**Ignore Certificate Errors**
Disable this feature.

**Host Name**
Specify the fully qualified C4WS web server name.

**Port**
Specify the port number of C4WS server.

**Context**
This value must be empty in Cloud setup.

**Default Tenant ID**
The default Tenant ID. If there is a {TenantID} placeholder in the Target endpoint URL definition, the {TenantID} is replaced by this value.

**Target Endpoint Security**
The allowed authentication value is:

- **OAuth 1.0a**
  Specify this information for this authentication type:
  
  - **Target Endpoint Access Key**: This value must match the value of the Consumer key in the C4WS OAuth 1.0a settings.
  - **Target Endpoint Secret Key**: This value must match the value of the Consumer Secret in the C4WS OAuth 1.0a settings.

  **Note**: Consumer Key and Consumer Secret are specified on the C4WS Advanced Settings page. For the OAuth 1.0a type, the Activation type of the ERP Server in C4WS is baanlogin_ssl.

5. **Click Save**.

Double click on the created LN Suite. You can view all the endpoints on the Endpoints tab. When C4WS is configured as MT Cloud Enabled, deploying BDEs in C4WS is not required.
Chapter 3  Verifying the configuration

You must verify the ION API configuration.

After the configuration, the endpoints are tested either by using the Postman or the SoapUI tool.

Use the POST method for testing. Specify the URL; the endpoints of the newly created LN ION API Suite. You can consider any simple end point to test the data flow from ION API.

Note: Ensure that you use the OAuth1.0a Authentication Type.

The authorization token accepted by the ION API, is obtained from https://<<domain>>:<<port number>>/grid/rest/security/sessions/oauth.

The token obtained from this url must be passed as one of the headers. This token is active for 2 hours. When expired, you can fetch a new token from the URL.

Headers:
Authorization: Bearer <<token>>
Content-Type: text/xml
identity2: <<GUID>>
tenant: <<tenant>>

Payload:
Currently, LN APIs are SOAP based. Therefore, to test the API, the SOAP request must be added as request body.

Sample payload for Purchase Order:

Note: Replace the Company and Purchase Order number values.

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:pur="http://www.infor.com/businessinterface/PurchaseOrder_v2" >
  <soapenv:Header>
    <pur:Activation>
      <company>XXXX</company>
    </pur:Activation>
  </soapenv:Header>
  <soapenv:Body>
    <pur:Show>
      <ShowRequest>
```
Verifying the configuration

```xml
<DataArea>
  <PurchaseOrder_v2>
    <PurchaseOrderID>XXXXXXXXX</PurchaseOrderID>
  </PurchaseOrder_v2>
</DataArea>
</ShowRequest>
</pur:Show>
</soapenv:Body>
</soapenv:Envelope>
```

Now try to test the API call.
## Appendix A Documents

This table lists the guides referred in this document.

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