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Preface

The Informatica Cloud LinkedIn Connector Guide contains information about how to set up and use LinkedIn Connector.

The guide explains how business users can set up the connector and run data synchronization tasks. The guide contains a brief overview of supported objects and task operations that you can perform by using LinkedIn Connector.

Informatica Resources

Informatica Documentation

To get the latest documentation for your product, browse the Informatica Knowledge Base at https://kb.informatica.com/_layouts/ProductDocumentation/Page/ProductDocumentSearch.aspx.

If you have questions, comments, or ideas about this documentation, contact the Informatica Documentation team through email at infa_documentation@informatica.com.

Informatica Cloud Web Site

You can access the Informatica Cloud web site at http://www.informatica.com/cloud. This site contains information about Informatica Cloud editions and applications.

Informatica Cloud Communities

Use the Informatica Cloud Community to discuss and resolve technical issues in Informatica Cloud. You can also find technical tips, documentation updates, and answers to frequently asked questions.

Access the Informatica Cloud Community at:

To find resources on using Cloud Application Integration (the Informatica Cloud Real Time service), access the community at:
https://network.informatica.com/community/informatica-network/products/cloud-integration/cloud-application-integration/content

Developers can learn more and share tips at the Cloud Developer community:
Informatica Cloud Marketplace

Visit the Informatica Marketplace to try and buy Informatica Cloud Connectors, Informatica Cloud integration templates, and Data Quality mapplets:


Informatica Cloud Connector Documentation

You can access documentation for Informatica Cloud Connectors at the Informatica Cloud Community:

https://network.informatica.com/cloud/index.htm

You can also download individual connector guides: https://network.informatica.com/docs/DOC-15333.

Informatica Knowledge Base

Use the Informatica Knowledge Base to search Informatica Network for product resources such as documentation, how-to articles, best practices, and PAMs.

To access the Knowledge Base, visit https://kb.informatica.com. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at KB_Feedback@informatica.com.

Informatica Cloud Trust Site

You can access the Informatica Cloud trust site at http://trust.informaticacloud.com. This site provides real time information about Informatica Cloud system availability, current and historical data about system performance, and details about Informatica Cloud security policies.

Informatica Global Customer Support

You can contact a Customer Support Center by telephone or online.

For online support, click Submit Support Request in the Informatica Cloud application. You can also use Online Support to log a case. Online Support requires a login. You can request a login at https://network.informatica.com/welcome.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at https://www.informatica.com/services-and-training/support-services/contact-us.html.
CHAPTER 1

Introduction to LinkedIn Connector

This chapter includes the following topics:

- LinkedIn Connector Overview, 7
- Introduction to LinkedIn, 7
- LinkedIn Connector Task Operation and Object Types, 8
- Administration of LinkedIn Connector, 8

LinkedIn Connector Overview

You can use LinkedIn Connector to securely read data from LinkedIn. Use LinkedIn Connector to search and extract LinkedIn data such as LinkedIn profiles, connections, and network updates.

Informatica Cloud Connector facilitates data integration to SaaS and on-premise applications. The cloud connectors address common use cases such as moving data into cloud and retrieving data from cloud for individual applications.

After you enable the LinkedIn Cloud Connector for your ICS ORG ID, create a connection on Informatica Cloud to use the connector.

Introduction to LinkedIn

LinkedIn is a directory of professionals and companies. Individuals and companies use LinkedIn for networking, job search, hiring, and research. LinkedIn helps you to connect with affiliates including alumni, industry, and a variety of other business related groups.

You can use Informatica LinkedIn Connector to perform the following tasks:

- Get the names of people from LinkedIn.
- Get education and experience details of people from LinkedIn.
- Get information about various companies and company products from LinkedIn.
LinkedIn Connector Task Operation and Object Types

When you create a LinkedIn connection, you must select the feature that you want to use. Features are different entities of LinkedIn Connector. Each feature contains a set of objects.

The following table provides the list of objects and task operations supported by LinkedIn Connector.

<table>
<thead>
<tr>
<th>Objects</th>
<th>Read</th>
<th>Insert</th>
<th>Update</th>
<th>Upsert</th>
<th>Delete</th>
<th>Lookup</th>
<th>Data Preview</th>
</tr>
</thead>
<tbody>
<tr>
<td>People</td>
<td>Yes</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PeopleEducation</td>
<td>Yes</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PeopleExperience</td>
<td>Yes</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Company</td>
<td>Yes</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>CompanyProduct</td>
<td>Yes</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Note: LinkedIn Connector fetches the first 10 first-level connection details for People, PeopleEducation, and PeopleExperience objects in data preview. The data is retrieved based on the privacy settings set by the user.

Administration of LinkedIn Connector

To enable LinkedIn Connector, contact Informatica Global Customer Support or an Informatica representative. After Informatica support or representative enables the LinkedIn Connector, the connector takes a few minutes to download the secure agent.

Note: For more information about installing the secure agent, see Installing Informatica Secure Agent.
LinkedIn Connections Overview

Create a LinkedIn Connection to preview and extract data from LinkedIn.

Use a LinkedIn connection to extract LinkedIn data such as user profiles, connections, and updates. A LinkedIn connection requires OAuth to access the LinkedIn data. You must create a LinkedIn application before you create a LinkedIn connection. You can configure OAuth in the OAuth Utility or in the Developer tool.

Creating a LinkedIn Application

You create a LinkedIn application to use the LinkedIn connection.

Register the application on LinkedIn to get the API key and secret key.

1. Open a web browser and navigate to the following URL:
   https://www.linkedin.com/secure/developer
2. Log in with your LinkedIn credentials.
3. Click **Add New Application**.

LinkedIn® Developer Network

List of Applications

You have not added any applications yet.

Add New Application

» Back to LinkedIn Developer Network
4. Enter the details and click Add Application.
After you create the application successfully, the Application Details window appears.

Your application was successfully created.

Application Details

**Company:**
Informatica

**Application Name:**
Test API

**API Key:**
di9sn61dbph

**Secret Key:**
p3xElbi6QBdCygz

**OAuth User Token:**
cb732791-8fDb-40c6-9c2b-677e4fc4ff1

**OAuth User Secret:**
5b1c66ef-c7fe-4eb2-b32d-e499bf3a11f

Done

Creating a LinkedIn Connection

Create a connection on Informatica Cloud to use LinkedIn Connector.

1. On the Informatica Cloud home page, click Configure > Connections.

The Connections page appears.

2. Click New.
3. Specify the following details.

<table>
<thead>
<tr>
<th>Connection Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection Name:*</td>
<td>Enter a name for the connection.</td>
</tr>
<tr>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>Type:*</td>
<td>Select LinkedIn from the list.</td>
</tr>
<tr>
<td>Secure Agent*</td>
<td>Select the appropriate secure agent.</td>
</tr>
<tr>
<td>API Key*</td>
<td>Provide the application API key.</td>
</tr>
<tr>
<td>Secret Key*</td>
<td>Provide the application API secret key.</td>
</tr>
<tr>
<td>User Token*</td>
<td>Enter the application OAuth user token.</td>
</tr>
<tr>
<td>User Secret*</td>
<td>Enter the application OAuth user secret key.</td>
</tr>
<tr>
<td>Filter File Path*</td>
<td>Enter the folder path where you want to generate the filter file template.</td>
</tr>
<tr>
<td>Enable Logging</td>
<td>Select this option to enable logging of debug messages.</td>
</tr>
</tbody>
</table>

* When you create a connection, the Filter File template contents are cleared except the header. You can take a copy of the Filter File template, change the file name, and use the template as filter parameter.

4. Click **Test** to verify that the connection is successful.

5. Click **OK** to save the connection.
CHAPTER 3

Data Synchronization Tasks with LinkedIn Connector

This chapter includes the following topics:

- Creating a LinkedIn Data Synchronization Task, 14
- Data Filters, 16
- Troubleshooting Data Synchronization Task, 17

Creating a LinkedIn Data Synchronization Task

When you configure a Data Synchronization task to use a LinkedIn source or target, you can configure the source properties or target properties.

The source properties appear on the Source page and the target properties appear on the Target page of the Data Synchronization Task wizard when you specify a LinkedIn connection.

1. On the Informatica Cloud home page, click Apps > Data Synchronization.

The Data Synchronization page appears.

2. Click New to create a data synchronization task.

The Definition tab appears.

3. Specify the Task Name, provide a Description, and select the Insert task operation.

4. Click Next.

The Source tab appears.

5. Select the object type as Multiple.

<table>
<thead>
<tr>
<th>Parent</th>
<th>Child</th>
</tr>
</thead>
<tbody>
<tr>
<td>People</td>
<td>PeopleEducation, PeopleExperience</td>
</tr>
<tr>
<td>PeopleEducation</td>
<td>NA</td>
</tr>
<tr>
<td>PeopleExperience</td>
<td>NA</td>
</tr>
</tbody>
</table>
6. Select the source Connection, Source Type, and Source Object required for the task.

7. Click Next.

The Target tab appears.

8. Select the Target Connection and Target Object required for the task.

The target connection can be a Flat file, a database, or an application. For more information, see When using LinkedIn as a Target Connection on page 10.

9. Click Next.

On the Data Filters tab, "Process all rows" is chosen by default. To assign filters to Data Synchronization task, see "Data Filters" on page 16.

10. Click Next.

11. On the Field Mapping tab, map the source fields to the target fields.

12. Click Next.

The Schedule tab appears.

13. On the Schedule tab, you can schedule the task as required and save the task.
14. If you do not want to schedule the task, click **Save and Run**.

After you save and run the task, the **Monitor Log** page appears where you can monitor the status of the Data Synchronization tasks.

### Data Filters

You can use data filters to get specific data of a particular object. The Data Synchronization task processes the data based on the filter field assigned to the object.

1. On the Informatica Cloud home page, click **Apps > Data Synchronization**.
   
   The **Data Synchronization** page appears.

2. Click the **Data Filters** tab.

   The **Data Filters** tab appears.

3. Click **New**.

   ![Data Filters Screen Shot](image-url)

   Row Limit

   - Process all rows
   - Process only the first [100] rows

   **Data Filters** [New...]

   **Actions**

   | Company | M_Country Equals 'china' | Filter by |
The Data Filter dialog box appears.

4. Specify the following details.

<table>
<thead>
<tr>
<th>Field Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object</td>
<td>Select Object for which you want to assign filter fields.</td>
</tr>
<tr>
<td>Filter by</td>
<td>Select the Filter Field.</td>
</tr>
<tr>
<td>Operator</td>
<td>Select the supported Operator.</td>
</tr>
<tr>
<td>Filter Value</td>
<td>Enter the relevant Filter Value.</td>
</tr>
</tbody>
</table>

5. Click OK.

Troubleshooting Data Synchronization Task

While creating Data Synchronization task, a NULL error message appears when a connector without a valid configuration is selected. The null error message files are saved in specific location.

For example, `<Secure Agent installation directory>\apps\Data_Integration_Server\<latest version of connector>\ICS\main\tomcat\log`

The log and exception details of a failed Data Synchronization task are captured under the Session Log. You require special permission privileges to run the application in debug mode.
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