



Informatica® Data Integration - Free & PayGo

Coupa Connector

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Table of Contents

Preface	4
Informatica Resources.	4
Informatica Documentation.	4
Informatica Intelligent Cloud Services web site.	4
Informatica Intelligent Cloud Services Communities.	4
Informatica Intelligent Cloud Services Marketplace.	4
Data Integration connector documentation.	5
Informatica Knowledge Base.	5
Informatica Intelligent Cloud Services Trust Center.	5
Informatica Global Customer Support.	5
 Chapter 1: Introduction to Coupa Connector.....	 6
Coupa objects.	6
Supported Objects: When Coupa Connector Is Used as Source.	7
 Chapter 2: Coupa Connections.....	 11
Coupa connection properties.	11
Creating a Coupa Connection.	12
 Chapter 3: Mappings and tasks for Coupa.....	 13
Coupa sources in mappings.	13
 Chapter 4: Troubleshooting Coupa Connector.....	 15
Increasing the secure agent memory.	15
 Index.....	 17

Preface

Use *Coupa Connector* to learn how to read from Coupa by using Data Integration. Learn to create a Coupa connection and perform mappings and mapping tasks in Data Integration.

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CHAPTER 1

Introduction to Coupa Connector

You can use Coupa Connector to connect to Coupa from Data Integration. Use Coupa Connector to read data from Coupa or other applications and transform the data using Coupa Connector.

Coupa objects

You can use Coupa objects as sources in mappings and mapping tasks. You can also read records from custom objects in the Coupa Connector.

- Support the following operators for filters when you retrieve feeds from Coupa:
 - Equals
 - Not Equals
 - Less Than
 - Less than or Equals
 - Greater Than
 - Greater Than or Equals
 - Starts With
 - Ends With
 - Contains
- Support querying on any column that is supported on Coupa objects by using the following operators:
 - Contains
 - Starts with
 - Ends with
 - Greater than
 - Less than
 - Greater than equals to
 - Less than equals to
- Support the AND conjunction between filters.

Supported Objects: When Coupa Connector Is Used as Source

The objects available in Coupa Connector at source level are taken from the XSD file provided by the Coupa API. You can use a Coupa object as a single source in a mapping or a mapping task.

The following table lists the Coupa objects that you can use in a mapping or a mapping task:

Objects	Read	Data Preview	Lookup
Suppliers	Yes	Yes	Yes
invoice_headers_invoice_header	Yes	Yes	Yes
attachments_attachment	Yes	Yes	Yes
contract_content_groups_content_group	Yes	Yes	Yes
contract_contract_terms_contract_term	Yes	Yes	Yes
contract_contract_terms_contract_term	Yes	Yes	Yes
invoice_lines_invoice_line_account_allocations_account_allocation	Yes	Yes	Yes
invoice_lines_invoice_line_contract_content_groups_content_group	Yes	Yes	Yes
invoice_lines_invoice_line_contract_contract_terms_contract_term	Yes	Yes	Yes
invoice_lines_invoice_line_tax_lines_tax_line	Yes	Yes	Yes
payments_payment	Yes	Yes	Yes
tax_lines_tax_line	Yes	Yes	Yes
inventory_transactions_inventory_transaction	Yes	Yes	Yes
account_allocations_account_allocation	Yes	Yes	Yes
asset_tags_asset_tag	Yes	Yes	Yes
attachments_attachment	Yes	Yes	Yes

Objects	Read	Data Preview	Lookup
order_line_account_allocations_account_allocation	Yes	Yes	Yes
order_line_asset_tags_asset_tag	Yes	Yes	Yes
order_line_attachments_attachment	Yes	Yes	Yes
order_line_contract_content_groups_content_group	Yes	Yes	Yes
order_line_contract_contract_terms_contract_term	Yes	Yes	Yes
currencies_currency	Yes	Yes	Yes
approvals_approval	Yes	Yes	Yes
users_user	Yes	Yes	Yes
account_groups_account_group	Yes	Yes	Yes
approval_groups_approval_group	Yes	Yes	Yes
content_groups_content_group	Yes	Yes	Yes
roles_role	Yes	Yes	Yes
requisition_line_requisition_lines_requisition_line	Yes	Yes	Yes
account_allocation_account_allocations_account_allocation	Yes	Yes	Yes
asset_tag_asset_tags_asset_tag	Yes	Yes	Yes
requisition_line_attachments_attachment	Yes	Yes	Yes
content_group_contract_content_groups_content_group	Yes	Yes	Yes
contract_term_contract_contract_terms_contract_term	Yes	Yes	Yes
addresses_address	Yes	Yes	Yes

Objects	Read	Data Preview	Lookup
order_headers_order_header	Yes	Yes	Yes
order_header_attachments_attachment	Yes	Yes	Yes
order_lines_order_line	Yes	Yes	Yes
order_lines_order_line_account_allocations_account_allocation	Yes	Yes	Yes
order_lines_order_line_asset_tags_asset_tag	Yes	Yes	Yes
order_lines_order_line_attachments_attachment	Yes	Yes	Yes
order_lines_order_line_contract_content_groups_content_group	Yes	Yes	Yes
order_lines_order_line_contract_contract_terms_contract_term	Yes	Yes	Yes
requisition_headers_requisition_header	Yes	Yes	Yes
requisition_header_approvals_approval	Yes	Yes	Yes
requisition_header_attachments_attachment	Yes	Yes	Yes
requisition_lines_requisition_line	Yes	Yes	Yes
req_lines_requisition_line_account_allocations_account_allocation	Yes	Yes	Yes
req_lines_requisition_line_contract_content_groups_content_group	Yes	Yes	Yes
req_lines_requisition_line_contract_contract_terms_contract_term	Yes	Yes	Yes
lookup_values_lookup_value	Yes	Yes	Yes
receipts_receipt	Yes	Yes	Yes

Objects	Read	Data Preview	Lookup
inventory_transaction_account_allocations_account_allocation	Yes	Yes	Yes
inventory_transaction_asset_tags_asset_tag	Yes	Yes	Yes
inventory_transaction_attachments_attachment	Yes	Yes	Yes
inv_tra_cur_int_hist_records_current_integration_history_record	Yes	Yes	Yes
inv_tra_cur_int_hist_rec_cur_int_hist_rec_int_run_int_err_int_error	Yes	Yes	Yes
_cur_int_hist_rec_cur_int_hist_rec_int_run_int_err_int_err_res_res	Yes	Yes	Yes
inv_tra_cur_int_hist_rec_cur_int_hist_history_record_responses_response	Yes	Yes	Yes
inv_transaction_order_line_account_allocations_account_allocation	Yes	Yes	Yes
inventory_transaction_order_line_asset_tags_asset_tag	Yes	Yes	Yes
inventory_transaction_order_line_attachments_attachment	Yes	Yes	Yes
inv_transaction_order_line_contract_content_groups_content_group	Yes	Yes	Yes

Note: The objects, which support filterable fields, support lookup operation. To learn more about the filterable fields, see the Coupa documentation.

CHAPTER 2

Coupa Connections

Create a Coupa connection to securely read data from Coupa. You can use Coupa connections to specify sources in mappings and mapping tasks. You create a Coupa connection on the Connections page. The connection becomes available to the entire organization. Use the Coupa connection in the Task wizard when you create a mapping or a mapping task.

Coupa connection properties

When you set up a Coupa connection, configure the connection properties.

The following table describes the Coupa connection properties:

Property	Description
Connection Name	Name of the connection. Each connection name must be unique within the organization. Connection names can contain alphanumeric characters, spaces, and the following special characters: _ . + -, Maximum length is 255 characters.
Description	Description of the connection. Maximum length is 4000 characters.
Type	The Coupa connection type.
Runtime Environment	The name of the runtime environment where you want to run the tasks. You can specify a Secure Agent or a Hosted Agent.
Domain Name	Coupa domain name.
Coupa API Key	Coupa unique API key.
UTC Time Zone	Coupa UTC time zone. Enter the timezone in the date and time fields. The time zone is appended to the filter values for the date and time fields.
Enable Logging	Enables logging for the task. When you enable logging, you can view the session log for the log details.

Creating a Coupa Connection

To use Coupa Connector in a mapping task, create a connection in Data Integration.

Before creating a Coupa connection in Data Integration, you need to enable Coupa Connector to use their API to access data.

You can configure a connection on the Connections page or in a wizard as you configure a task.

1. On the **Connections** page, click **New Connection** to create a connection.
The **New Connection** page appears.
2. Configure the following connection properties on the New Connection page:

Connection Property	Description
Connection Name	Name of the connection.
Type	Type of connection. Select Coupa.
Secure Agent	Secure Agent where you have installed the Coupa Connector.
Domain Name	Coupa Domain Name. For example, <code>https://servicemaster-test.coupahost.com</code> .
Coupa API Key	Coupa unique API key.
UTC Time Zone	Coupa UTC Time Zone (This time zone is appended with the filter values for the fields of data type date and time.)
Enable Logging	Check the box to enable logging.

3. Click **Save** to save the connection.
You should test the connection before you save the connection details. You can click **Test Connection** to verify if the connection is successful.

CHAPTER 3

Mappings and tasks for Coupa

Use the Data Integration Mapping Designer to create a mapping. When you create a mapping, you configure a source to represent a Coupa object.

Coupa sources in mappings

To read data from Coupa, configure a Coupa object as the Source transformation in a mapping.

Specify the name and description of the Coupa source. Configure the source, query options, and advanced properties for the source object.

The following table describes the source properties that you can configure for a Coupa source:

Property	Description
Connection	Name of the Coupa source connection. You can select an existing connection or create a new connection. You can also click New Parameter to define a parameter for the source connection.
Source Type	Type of the source object. Select Single Object, Multiple Objects, or Parameter.
Object	Name of the Coupa source object based on the source type selected. Select the source object for a single source. When you select the multiple source option, you can add source objects and configure a relationship between them.

The following table describes the query options that you can configure for a Coupa source:

Property	Description
Filter	<p>Filter value in a read operation. Click Configure to add conditions to filter records and reduce the number of rows that the Secure Agent reads from the source.</p> <p>Specify one of the following filter conditions:</p> <ul style="list-style-type: none"> - Not parameterized. Use a basic filter to specify the object, field, operator, and value to select specific records. - Completely parameterized. Use a parameter to represent the field mapping. - Advanced. Use an advanced filter to define a more complex filter condition on an object. <p>Default is Not parameterized.</p>
Sort	Not applicable for Coupa Connector.

The following table describes the advanced source properties that you can configure in a source transformation:

Property	Description
Source Filter	Filter value for the source data.
Sorted Ports	Ports used to sort source data.
Maximum Page Size	<p>The maximum number of records to read from a Coupa source page.</p> <p>Default is 50.</p>
Tracing Level	<p>Sets the amount of detail that appears in the log file.</p> <p>Select one of the following options:</p> <ul style="list-style-type: none"> - Terse - Normal - Verbose initialization - Verbose data <p>Default is Normal.</p>

CHAPTER 4

Troubleshooting Coupa Connector

You can refer to this section to understand how to troubleshoot various issues in Coupa Connector.

The log and exception messages thrown during the configuration are captured in the log files. The log files are saved in specific location. For example, <Secure Agent installation directory>\apps\Data_Integration_Server\logs. For troubleshooting purpose, always set the Enable Logging connection property to true. But for normal task execution, set this field as false as it may affect the task performance.

Increasing the secure agent memory

To increase performance and avoid runtime environment memory issues, perform the following steps:

1. In Administrator, select **Runtime Environments**.
2. Select the Secure Agent for which you want to increase memory from the list of available Secure Agents.
3. In the upper-right corner, click **Edit**.
4. In the **System Configuration Details** section, select the **Type** as **DTM** for the Data Integration Service.
5. Edit **JVMOption1** as **-Xms4056m** and **JVMOption2** as **-Xmx4056m**.

The following image shows the **Details** page:

Type	Name	Value
DTM	JVMClassPath	'pmservendic.jar'
DTM	JVMOption1	
DTM	JVMOption2	

6. In the **System Configuration Details** section, select the **Type** as **TomCatJRE**
7. Edit **INFA_memory** as **-Xms256m -Xmx512m**.

The following image shows the **Agent Details** page:

Details

Audit Log

Agent Name: *

INW1PC07L0KK

Platform:

Windows64

Host Name:

INW1PC07L0KK

Status:

☒ Up and Running

Last Status Change:

Not Available

Created On:

Sep 4, 2017 2:35:10 AM

Updated On:

Sep 28, 2017 1:26:42 AM

Created By:

kkushi

Updated By:

admin

Version:

32.8

Upgrade Status:

Up-to-date

Last Upgraded:

Sep 4, 2017 2:35:11 AM

Agent Service Details

Service Name	Status	Version	Last Update Time
Data Integration Server	<input checked="" type="checkbox"/> Up and Running	26.0.2	Sep 27, 2017 9:44:54 PM

Agent Package Details

System Configuration Details

Service:

Data Integration Server

Type:

Tomcat JRE

Type	Name	Value
Tomcat JRE	INFA_SSL	
Tomcat JRE	INFA_MEMORY	-Xms256m -Xmx512m -XX:MaxPermSize=128m

Note: The minimum and maximum values for the Java heap size are given as an example. Specify the size according to your requirements.

- Restart the Secure Agent.

INDEX

C

Cloud Application Integration community
URL [4](#)
Cloud Developer community
URL [4](#)
connections
Coupa [11](#)
Coupa
connection properties [11](#)

D

Data Integration community
URL [4](#)

I

Informatica Global Customer Support
contact information [5](#)
Informatica Intelligent Cloud Services
web site [4](#)

M

maintenance outages [5](#)

mapping
Coupa sources [13](#)
mapping tasks
overview [13](#)

S

Secure Agent
increasing memory [15](#)
status
Informatica Intelligent Cloud Services [5](#)
system status [5](#)

T

trust site
description [5](#)

U

upgrade notifications [5](#)

W

web site [4](#)