



Informatica® Data Integration - Free & PayGo

Cvent Connector

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Publication Date: 2023-04-04

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 Cvent Connector.....	6
Supported features objects and task operations.	6
Cvent Connector assets.	9
 Chapter 2: Cvent connections.....	10
Cvent connection properties.	10
Creating a Cvent connection.	11
Configuring the proxy settings on Windows.	12
 Chapter 3: Mappings for Cvent.....	14
Cvent sources in mappings.	14
 Chapter 4: Configuration files.....	15
Configuring the schema.ini file.	15
Configuring the relationship.ini for custom fields.	15
Custom fields addition example.	16
 Chapter 5: Troubleshooting.....	17
Troubleshooting.	17
Increasing the secure agent memory.	17
 Index.....	19

Preface

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

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CHAPTER 1

Introduction to Cvent Connector

You can use Cvent Connector to connect Data Integration and Cvent. Use Cvent Connector to read data from Cvent.

Cvent offers software solutions to event planners for online event registration, venue selection, event management, mobile application, email marketing, and web surveys.

Cvent Connector supports querying on any column that is supported by Cvent objects. You can use AND and OR conditional operators and logical operators to filter fields.

Supported features objects and task operations

The following table shows the list of features and objects supported by Cvent Connector:

Features	Source	Query	Lookup
Budget	Yes	Yes	Yes
BudgetItem	Yes	Yes	Yes
BudgetItem_AllocationCategoryDetail	Yes	Yes	Yes
BudgetItem_AssociatedRegistrants	Yes	Yes	Yes
BudgetItem_BudgetPaymentDetail	Yes	Yes	Yes
BudgetItem_CostDetail	Yes	Yes	Yes
BudgetItem_SavingsDetail	Yes	Yes	Yes
BudgetItem_CategoryDetail	Yes	Yes	Yes
BudgetItem_DefaultTaxDetail	Yes	Yes	Yes
Contact	Yes	Yes	Yes
Contact_ContactGroupDetail	Yes	Yes	Yes
Contact_DistributionListDetail	Yes	Yes	Yes
Contact_NationalProviderIdentifier	Yes	Yes	Yes

Features	Source	Query	Lookup
ContactSnapshot	Yes	NA	NA
ConversionRate	Yes	Yes	Yes
Event	Yes	Yes	Yes
EventCalendarLinkText	Yes	Yes	Yes
EventCalendarAlternateURL	Yes	Yes	Yes
EventCalendarCompletedURL	Yes	Yes	Yes
EventDetails	Yes	Yes	Yes
EventDetails_EventRoleDetail	Yes	Yes	Yes
EventDetails_FAQDetail	Yes	Yes	Yes
EventDetails_Fees	Yes	Yes	Yes
EventDetails_PlanningStatusHistory	Yes	Yes	Yes
EventDetails_ProcessFromDetail	Yes	Yes	Yes
EventDetails_StaffDetail	Yes	Yes	Yes
EventQuestion	Yes	Yes	Yes
EventQuestion_AnswerDetail	Yes	Yes	Yes
EventQuestion_RowDetail	Yes	Yes	Yes
Event_DocumentDetail	Yes	Yes	Yes
Event_ProductDetail	Yes	Yes	Yes
Event_TargetListDetail	Yes	Yes	Yes
Event_WeblinkDetail	Yes	Yes	Yes
Invitee	Yes	Yes	Yes
Invitee_InternalInfoDetail	Yes	Yes	Yes
Invitee_RegretSurveyDetail	Yes	Yes	Yes
Invitee_WeblinkDetail	Yes	Yes	Yes
MeetingRequest	Yes	Yes	Yes
MeetingRequest_DocumentDetail	Yes	Yes	Yes
DocumentDetail_UploadedBy	Yes	Yes	Yes

Features	Source	Query	Lookup
DocumentDetail_Description	Yes	Yes	Yes
DocumentDetail_Category	Yes	Yes	Yes
MeetingRequest_EventRequestInfo	Yes	Yes	Yes
MeetingRequest_EventSurveyDetail	Yes	Yes	Yes
MeetingRequest_RFPRequestInfo	Yes	Yes	Yes
MeetingRequestUser	Yes	Yes	Yes
Registration	Yes	Yes	Yes
Registration_EventSurveyDetail	Yes	Yes	Yes
Registration_GuestDetail	Yes	Yes	Yes
Registration_OrderDetail	Yes	Yes	Yes
Registration_PaymentDetail	Yes	Yes	Yes
Respondent	Yes	Yes	Yes
Respondent_WeblinkDetail	Yes	Yes	Yes
Response	Yes	Yes	Yes
Response_SurveyDetail	Yes	Yes	Yes
Survey	Yes	Yes	Yes
Survey_TargetListDetail	Yes	Yes	Yes
Survey_WeblinkDetail	Yes	Yes	Yes
Survey_AssociatedEvents	Yes	Yes	Yes
SurveyQuestion	Yes	Yes	Yes
SurveyQuestion_AnswerDetail	Yes	Yes	Yes
SurveyQuestion_RowDetail	Yes	Yes	Yes
Transaction	Yes	Yes	Yes
Transaction_DistributionDetail	Yes	Yes	Yes
Travel	Yes	Yes	Yes
Travel_AirActual	Yes	Yes	Yes
Travel_AirRequest	Yes	Yes	Yes

Features	Source	Query	Lookup
Travel_CarRequest	Yes	Yes	Yes
Travel_HotelRequest	Yes	Yes	Yes
User	Yes	Yes	Yes

You can specify proxy server details to connect to Cvent.

Note:

- You cannot preview data when you read data from the **ContactSnapshot** object.
- You can read data from the following child objects when the **ContactSnapshot** object is selected as a parent.
 - **ContactGroupDetail**
 - **DistributionListDetail**
 - **CustomFieldDetail**
- You can select a child object only when the source type is selected as multiple objects.
- You can access the **CutsomFieldDetail** child object only when `relationship.ini` and `schema.ini` are configured accordingly.

Cvent Connector assets

Create assets in Data Integration to integrate data using Cvent Connector.

When you use Cvent Connector, you can include the following Data Integration assets:

- Mapping
- Mapping task

For more information about configuring assets and transformations, see *Mappings*, *Transformations*, and *Tasks* in the Data Integration documentation.

CHAPTER 2

Cvent connections

You can create a Cvent connection to securely read data from Cvent.

Use Cvent connections to specify sources in mapping tasks. Create a connection and associate it with mappings or mapping tasks.

Cvent connection properties

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

The following table describes the Cvent 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 Cvent 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.
Account Number	Specify the account number.
User Name	User name of the Cvent API.
Password	Password for the Cvent API.
Endpoint Url	The endpoint URL of the Cvent application.
Batch Size	Number of records to be retrieved at a time. Maximum is 200.

Property	Description
UTC Time Zone	Cvent 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 Cvent connection

Before you create a Cvent connection in Data Integration, you need to enable Cvent 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.

Perform the following steps to create a Cvent connection in Data Integration:

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.
Description	Provide a description.
Type	Select the Cvent connection.
Runtime Environment	Select the required Secure Agent.
Account Number	Specify the account number.
User Name	User name of Cvent API.
Password	Password for Cvent API.
Endpoint Url	Enter the Endpoint URL to connect to the Cvent application. For example, <i>https://sandbox-api.cvent.com/soap/V200611.ASMX</i>
Batch Size	Number of records to retrieve at a time. Default is 100.
UTC Time Zone	Cvent UTC Time Zone. Appends the time zone with the filter values for the fields of date and time data types.
Enable Logging	Enables logging for the task.

Note: The connection is validated by invoking login method of Cvent API.

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.

Configuring the proxy settings on Windows

If your organization uses an outgoing proxy server to connect to the Internet, the Secure Agent connects to Data Integration through the proxy server. You must enable the proxy server through the **ProxySettings.ini** file and the Secure Agent Manager.

Perform the following steps to enable proxy server through the Secure Agent Manager:

1. Click **Start > All Program > Informatica Cloud Secure Agent > Informatica Cloud Secure Agent** to launch the Secure Agent Manager.

You can also click the Data Integration icon in the Windows taskbar notification area to open the Secure Agent Manager.

The Secure Agent Manager displays the Secure Agent status.

2. Click **Proxy** in the Secure Agent Manager page.
3. Click **Use a Proxy Server** to enter proxy server settings.
4. Configure the following proxy server details:

Field	Description
Proxy Host	Required. Host name of the outgoing proxy server that the Secure Agent uses.
Proxy Port	Required. Port number of the outgoing proxy server.
User Name	User name to connect to the outgoing proxy server.
Password	Password to connect to the outgoing proxy server.

5. Click **OK**.

The Secure Agent Manager restarts the Secure Agent to apply the settings.

6. Perform the following steps to enable the proxy server flag in the `ProxySettings.ini` file:

Note: The Secure Agent creates the `ProxySettings.ini` file when you test the connection.

- a. Copy the `ProxySettings.ini` file from `<Secure Agent installation directory>\downloads\<latest connector package>\package\rdtm\javalib\<pluginId>` to `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\Cvent\`

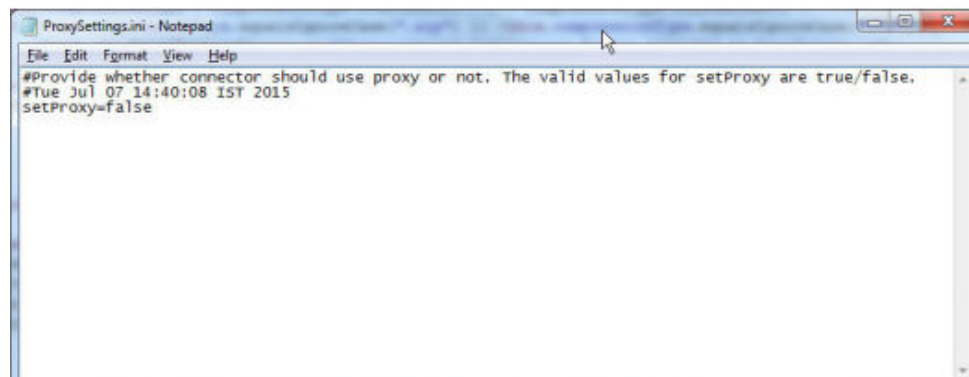
Note: If the `deploy_to_main\bin\rdtm-extra\Cvent\` directory does not already exist, create the directory.

Note: The folder name is case sensitive on Linux.

- b. Restart the Secure Agent.

- c. Set the value of the **setProxy** field to true to enable the proxy. By default, the value is false.

The following image shows an example of ProxySettings.ini file:



CHAPTER 3

Mappings for Cvent

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

Cvent sources in mappings

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

Specify the name and description of the Cvent source.

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

Property	Description
Connection	Name of the Cvent 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 Cvent 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 advanced source property that you can configure in a Source transformation:

Property	Description
Tracing Level	Sets the amount of detail that appears in the log file. Select one of the following options: <ul style="list-style-type: none">- terse- normal- verbose initialization- verbose data Default is normal.

CHAPTER 4

Configuration files

You must configure the schema and relationship.ini files to add custom fields in Cvent object.

Configuring the schema.ini file

To add and capture the values of custom fields supported by Cvent API in the `schema.ini`, follow the syntax format. You can change an object with `schema.ini` file.

Use the following syntax format to configure a `schema.ini` file:

```
Contact_CustomFieldDetail="FieldName,String,250,false,false";"FieldValue,String,250,false,false";"FieldId,String,250,false,false"
```

The following image shows a sample schema file:

A screenshot of a text editor window titled 'schema.ini [2]'. The editor shows a single line of text: `1 "Contact_CustomFieldDetail="FieldName,String,250,false,false";"FieldValue,String,250,false,false";"FieldId,String,250,false,false" "`

If you want to use the `schema.ini` file, perform the following steps:

1. Copy the `schema.ini` file from `<Secure Agent installation directory>\downloads\<latest connector package>\package\rdtm\javalib\<pluginId>` to `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\Cvent\`
Note: If the `deploy_to_main\bin\rdtm-extra\Cvent\` directory does not already exist, create the directory.
Note: The folder name is case sensitive on Linux.
2. Restart the Secure Agent.

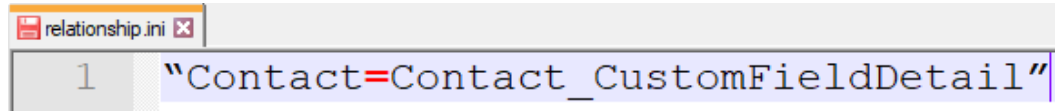
Configuring the relationship.ini for custom fields

The `relationship.ini` file is used to edit, change the parent or child relationship, and create custom fields. You can create another child object with the help of `relationship.ini` file.

To add and capture the values of custom fields supported by Cvent API in the `relationship.ini`, use the following syntax format:

```
Contact=Contact_CustomFieldDetail
```

The following image shows a sample of `relationship.ini` file:



If you want to use the `relationship.ini` file, perform the following steps:

1. Copy the `relationship.ini` file from `<Secure Agent installation directory>\downloads\<latest connector package>\package\rdtm\javalib\<pluginId>\` to `<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main\bin\rdtm-extra\Cvent\`

Note: If the `deploy_to_main\bin\rdtm-extra\Cvent\` directory does not already exist, create the directory.

Note: The folder name is case sensitive on Linux.

2. Restart the Secure Agent.

Custom fields addition example

To fetch the field values, you must configure the schema and `relationship.ini` files to add custom fields in Cvent object.

For example, add the following configurations to fetch data from a custom field `customfield1_c` for Event object:

- Add the following configuration to the `schema.ini` file:

```
Event_CustomFieldDetail="FieldName,String,250,false,false";"FieldValue,String,250,fals  
e,false";"FieldId,String,250,false,false";
```

- Add the following configuration to the `relationship.ini` file:

```
Event=Event_WeblinkDetail,Event_DocumentDetail,Event_CustomFieldDetail
```


CHAPTER 5

Troubleshooting

Use the following sections to troubleshoot errors in Cvent Connector.

Troubleshooting

The Secure Agent generates a log file to capture the messages generated during task configuration. The messages are saved in the following location:

```
<Secure Agent installation directory>\apps\Data_Integration_Server\logs
```

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	'jmserversdk.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
 - Cvent [10](#)
- Cvent
 - connection properties [10](#)
 - supported assets [9](#)
- Cvent Connector [6](#)
- Cvent Operators [6](#)

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
 - Cvent sources [14](#)
- mapping tasks
 - overview [14](#)

P

- proxy settings
 - configuring on Windows [12](#)

S

- Secure Agent
 - increasing memory [17](#)
- status
 - Informatica Intelligent Cloud Services [5](#)
- system status [5](#)

T

- trust site
 - description [5](#)

U

- upgrade notifications [5](#)

W

- web site [4](#)
- Windows
 - configuring proxy settings [12](#)