Informatica

Informatica® Cloud Data Integration

Birst Cloud Connect Connector

Informatica Cloud Data Integration Birst Cloud Connect Connector
April 2024

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Preface

The Data Integration Birst Cloud Connect Connector Guide contains information about how to set up and use Birst Cloud Connect Connector. The guide explains how organization administrators and business users can use Birst Cloud Connect Connector to write data to Birst Cloud Connect.

Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

Informatica Network

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As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
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Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at https://network.informatica.com/community/informatica-network/product-availability-matrices.

Informatica Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services and based on real-world experiences from hundreds of data management projects. Informatica Velocity represents the collective knowledge of Informatica consultants who work with organizations around the world to plan, develop, deploy, and maintain successful data management solutions.

You can find Informatica Velocity resources at http://velocity.informatica.com. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

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Informatica Global Customer Support

You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:
https://www.informatica.com/services-and-training/customer-success-services/contact-us.html.

To find online support resources on the Informatica Network, visit https://network.informatica.com and select the eSupport option.

CHAPTER 1

Introduction to Birst Cloud Connect Connector

Use Birst Cloud Connect Connector to securely write data to Birst Cloud Connect.

You can read data from files, databases, and other applications and write data to Birst Cloud Connect. Birst Cloud Connect Connector uses Birst SOAP API to write data into Birst API endpoints.

Example

You are a business analyst in an organization. Your organization uses Concur for expense management and Birst Cloud Connect to analyze the expenses. You need to analyze the expense data in Birst Cloud Connect. Use Birst Cloud Connect Connector to create a synchronization task to read data from Concur and write data to Birst Cloud Connect.

Note: This connector is developed by Informatica partners, third-party system integrators, or customers. You can look up the Product Availability Matrix or Informatica Marketplace for more information.

Birst Cloud Connect Connector assets

The following table lists the Birst Cloud Connect Connector object types that you can include in Data Integration tasks:

Task Type	Source	Target	Lookup
Synchronization	No	Yes	No

The following table lists the objects and task operations that Birst Cloud Connect Connector supports:

Objects	Read	Insert	Update	Upsert	Delete
UploadData	No	Yes	No	No	No

CHAPTER 2

Birst Cloud Connect connections

Create a Birst Cloud Connect connection to securely write data to Birst Cloud Connect.

You can create a Birst Cloud Connect connection on the Connections page or when you create a task. After you create a connection, it becomes available to all users who have access to the organization.

Birst Cloud Connect connection properties

When you set up a Birst Cloud Connect connection, you must configure the connection properties.

The following table describes the Birst Cloud Connect connection properties:

Connection property	Description
Connection Name	Name of Birst Cloud Connect Connector.
Description	Description of Birst Cloud Connect Connector.
Type	Select Birst Cloud Connect connection.
Runtime Environment	The name of the run-time environment where you want to run the tasks.
Username	User name for Birst Cloud Connect application.
Password	Password for Birst Cloud Connect application.
Endpoint URL	Birst Web Services end-point URL.
Space ID	UDID of Birst Space in which you want to upload data.
Enable Debug Logger	Select to enable debug logging.
Configuration Location	Temporary storage for internal configuration.

CHAPTER 3

Synchronization tasks with Birst Cloud Connect Connector

Use a Synchronization task to synchronize data between a source and target.

You can configure a synchronization task using the Synchronization Task wizard.

When you create a task, you can associate it with a schedule to run it at specified times or on regular intervals. Or, you can run it manually. You can monitor tasks that are currently running in the activity monitor and view logs about completed tasks in the activity log.

Birst Cloud Connect targets in Synchronization tasks

You can configure the Birst Cloud Connect target properties on the Target page of the Synchronization Task wizard.

The following table describes the Birst Cloud Connect target properties:

Property	Description
Connection	Name of the active Birst Cloud Connect target connection.
Target Object	You can select an existing object from the list or create a target at run time.
Child Object	Not applicable.
Display target fields in alphabetical order	Displays target fields in alphabetical order. By default, fields appear in the order returned by the target system.

The following table describes the Birst Cloud Connect advanced target properties:

Advanced Property	Description
Data chunk size for upload	Chunk size for the upload operation.
Only recognize Quote at Start and End of Field	Select True or False.
Character Encoding	Select UTF-8.

Synchronization task example

You are a business analyst in an organization. Your organization uses Concur for expense management and Birst Cloud Connect to analyze the expenses. You need to analyze the expense data in Birst Cloud Connect. Use Birst Cloud Connect Connector to create a synchronization task to read data from Concur and write data to Birst Cloud Connect.
Perform the following steps to create a synchronization task in Data Integration

1. Select **Data Integration** from the menu.

   The **Data Integration** Home page appears.
2. Click **New** > **Tasks** > **Synchronization Task**.
3. On the **Definition** tab, configure the following fields:

Field	Description
Task Name	Name of the synchronization task.
Description	Description of the synchronization task. Maximum length is 255 characters.
Task Operation	Select **Insert**. Birst Cloud Connect connector does not support update, upsert, and delete operation.

4. Click **Next**.
5. On the **Source** tab, configure the following fields:

Field	Description
Connection	Select the Concur connection that you have created.
Source Type	Select **Single**.
Source Object	Select **ExpenseEntry** as the source object.

6. Click **Next**.
7. On the **Target** tab, configure the following fields:

Field	Description
Connection	Select a Birst Cloud Connect connection.
Target Object	Select **ExpenseEntry** as the target object.
Child Object	This attribute is not applicable to the Birst Cloud Connect connector.

8. Click **Next**.
9. As the data filter is not supported in this connector, click **Next**.
10. On the **Field Mapping** tab, map the ExpenseEntry source object in Concur with the ExpenseEntry target object in Birst Cloud Connect. To map the source to the target, drag and drop the required fields from the source to the target.

11. Click **Next**.
12. On the **Schedule** tab you can schedule the task for each requirement and save. You can run a synchronization task manually, or you can schedule the task to run at a specific time or at specified time intervals.
13. Click **Finish**. To run the task, click **Run**.

    In **Monitor**, you can monitor the status of the task.

CHAPTER 4

Troubleshooting

Use the following sections to troubleshoot errors in Birst Cloud Connector.

Increasing Secure Agent Memory

To overcome memory issues faced by the Secure Agent perform the following steps:

1. In the Data Integration home page, select the Secure Agent under **Runtime Environments**.

   The Runtime Environments page appears.
2. From the list of available Secure Agents, select the Secure Agent for which you want to increase memory.

   The details of the Secure Agent appear.
3. Click **Edit**.

   The Edit Agent page appears.
4. In **System Configuration** section, select the **Type** as **DTM**.
5. Edit **JVMOption1** as **-Xmx512m**.
6. Again in **System Configuration** section, select the **Type** as **TomCatJRE**.
7. Edit **INFA_memory** to **-Xms256m -Xmx512m**.
8. Restart the Secure Agent.

CHAPTER 5

Data type reference

Data Integration uses the following data types in synchronization tasks with Birst Cloud Connect:

Birst Cloud Connect native data types

Birst Cloud Connect data types appear in the Source and Target transformations when you choose to edit metadata for the fields.

Transformation data types

Set of data types that appear in the transformations. They are internal data types based on ANSI SQL-92 generic data types, which the Secure Agent uses to move data across platforms. Transformation data types appear in all transformations in a mapping.

When Data Integration reads source data, it converts the native data types to the comparable transformation data types before transforming the data. When Data Integration writes to a target, it converts the transformation data types to the comparable native data types.

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