Informatica®

Informatica® Cloud Data Integration

Microsoft Access Connector

Informatica Cloud Data Integration Microsoft Access Connector
July 2024

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Preface

Use *Microsoft Access Connector* to learn how to read from or write to Microsoft Access by using Cloud Data Integration. Learn to create a connection and run synchronization tasks in Cloud Data Integration.

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CHAPTER 1

Introduction to Microsoft Access

This chapter includes the following topics:

- Microsoft Access Connector Overview, 7
- Microsoft Access Connector Example, 7
- Administration of Microsoft Access Connector, 7

Microsoft Access Connector Overview

You can use Microsoft Access Connector to connect to Microsoft Access database from Data Integration. Use Microsoft Access Connector to read and write data to Microsoft Access database.

You can use Microsoft Access objects as sources and targets in synchronization tasks.

You can create, update, or delete records when you use Microsoft Access Connector to write to Microsoft Access database.

Microsoft Access Connector Example

You work for an organization that stores purchase order details, such as customer ID, item codes, and item quantity in an on-premise Microsoft Access database. You need to analyze purchase order details and move data from the on-premise Microsoft Access database to an affordable cloud-based environment. Create a mapping to read all the purchase records from the Microsoft Access database and write them to an Amazon Redshift target for data analysis.

Administration of Microsoft Access Connector

You can use Microsoft Access Connector after you perform the following tasks:

1. Download the 64-bit Microsoft Access ODBC driver from the Microsoft website.
2. Install the Microsoft Access ODBC driver on the Secure Agent machine and configure the data source for Microsoft Access.

CHAPTER 2

Microsoft Access Connections

This chapter includes the following topics:

- Microsoft Access Connections Overview, 8
- Microsoft Access connection properties, 9
- Microsoft Access Connection Rules and Guidelines, 9

Microsoft Access Connections Overview

Create a Microsoft Access connection to connect to Microsoft Access so that the Secure Agent can read data from and write data to Microsoft Access. You can specify the Microsoft Access source and target in synchronization tasks, mappings, and mapping tasks.
You create a Microsoft Access connection on the **Connections** page. Use the connection when you create a synchronization task or a mapping task.

Microsoft Access connection properties

When you set up a Microsoft Access connection, you must configure the connection properties.

The following table describes the connection properties:

Connection property	Description
Runtime Environment	The name of the run-time environment where you want to run the tasks.
Data Source Name	System DSN name.
Code Page	The code page compatible with the Microsoft Access source. Select one of the following code pages: - MS Windows Latin 1. Select for ISO 8859-1 Western European data. - UTF-8. Select for Unicode and non-Unicode data. - Shift-JIS. Select for double-byte character data. - ISO 8859-15 Latin 9 (Western European). - ISO 8859-2 Eastern European. - ISO 8859-3 Southeast European. - ISO 8859-5 Cyrillic. - ISO 8859-9 Latin 5 (Turkish). - IBM EBCDIC International Latin-1.

Microsoft Access Connection Rules and Guidelines

Consider the following rules and guidelines for a Microsoft Access connection:

1. You can use only the insert task operation for tasks that contain a Microsoft Access connection and a lookup defined in a field mapping. The task fails for all other task operations .
2. You cannot use multiple source objects in a synchronization task when the task contains a Microsoft Access source or target that uses primary and foreign keys.
3. The Microsoft Access connection does not support Unicode (UTF-8) data. No tasks can read or write Unicode data from a Microsoft Access table.

CHAPTER 3

Synchronization Tasks with Microsoft Access

This chapter includes the following topics:

- Microsoft Access Sources in Synchronization Tasks, 10
- Microsoft Targets in Synchronization Tasks, 11
- Troubleshooting, 11

Microsoft Access Sources in Synchronization Tasks

When you configure a synchronization task to use a Microsoft Access source, you can configure the source properties.

The source properties appear on the **Source** page of the synchronization Task wizard when you specify Microsoft Access connection.

The following table describes the Microsoft Access source properties:

Property	Description
Connection	Name of the source connection.
Source Type	Type of the source object. Select one of the following objects: - Single - Multiple - Saved Query
Source Object	Name of the source object.

Microsoft Targets in Synchronization Tasks

You can specify the name and description of the Microsoft Access target. You can configure the target for the target object.

The following table describes the Microsoft Access target properties:

Property	Description
Connection	Name of the target connection.
Target Object	Name of the target object.
Truncate Target	When you enable the **Truncate Target** option, the Secure Agent drops and recreates the table before it writes the data to the target. Default is false.

Troubleshooting

The solution to the following situation might help you troubleshoot Microsoft Access synchronization task.

When you run a task on Windows 64-bit operating system, the task fails.

1. Click **Administer** > **Runtime Environments**.
2. Click the Secure Agent that you upgraded.
3. Click **Edit** to edit the Secure Agent details.
4. In the **System Configuration Details** section, select service as **Data Integration Server** and type as **DTM**.
5. Set the value of the `OptimizeODBCRead` flag to `No`.
6. Click **OK** to save the changes.

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