Informatica

Informatica® Cloud Data Integration

MRI Software Connector

Informatica Cloud Data Integration MRI Software Connector
October 2022

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Preface

Use *MRI Software Connector* to learn how to read from MRI Software by using Cloud Data Integration. Learn to create an MRI Software connection, develop mappings, and run mapping tasks in Cloud Data Integration.

Informatica Resources

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CHAPTER 1

Introduction to MRI Software Connector

This chapter includes the following topics:

- MRI Software Connector overview, 6
- MRI Software Connector supported task types and object types, 6
- Introduction to MRI Software, 7
- Administration of MRI Software Connector, 7

MRI Software Connector overview

You can use MRI Software Connector to connect to MRI Software from Data Integration and securely read data from MRI Software.

You can use MRI Software objects as sources in mappings and mapping tasks.

You can switch mappings to advanced mode to include transformations and functions that enable advanced functionality.

MRI Software Connector supported task types and object types

The following table lists the tasks and object types that MRI Software Connector supports:

Task type	Source	Target
Mapping	Yes	No

Introduction to MRI Software

MRI Software is real estate and investment management software for real estate owners, investors, and operators.

Administration of MRI Software Connector

You can use MRI Software Connector after the organisation administrator performs the following tasks:

1. Creates an MRI Software account to access MRI Software.
2. Enables the MRI Software Connector license for your organization.
3. Gets the Partner key from MRI Software.
4. Installs the Secure Agent on a 64-bit Windows Operating System.

CHAPTER 2

MRI Software connections

This chapter includes the following topics:

- MRI Software connections overview, 8
- MRI Software connection properties , 8

MRI Software connections overview

Create an MRI Software connection to securely read data from MRI Software.

You can create an MRI Software connection on the **Connections** page and use it in the Mapping Designer when you create a mapping. The connection becomes available to the entire organization.

MRI Software connection properties

When you set up an MRI Software connection, you must configure the connection properties.

The following table describes the MRI Software connection properties:

Property	Description
Connection Name	Enter a name for the connection.
Description	Optional. Enter a description for the connection.
Type	Type of connection. Select **MRISoftware**.
Runtime Environment	The name of the runtime environment where you want to run the tasks.
URL	Endpoint URL of the MRI Software application.
Username	User name of the MRI Software application.
Password	Password for the MRI Software application.
Client ID	The client ID created in the MRI Software application.

Property	Description
Database Name	Name of the MRI database.
Partner Key	The partner key provided by MRI Software.
API Type	The type of MRI Software API that you want to connect to. Select one of the following options: - **Data Pipeline**. Select to connect to the Data Pipeline API to read large amount of data. - **REST**. Select to connect to the REST API.

CHAPTER 3

Mappings and mapping tasks with MRI Software Connector

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

In advanced mode, the Mapping Designer updates the mapping canvas to include transformations and functions that enable advanced functionality.

MRI Software sources in mappings and mapping tasks

In a mapping, you can configure a Source transformation to represent a single MRI Software source.

The following table describes the MRI Software source properties that you can configure in a Source transformation:

Property	Description
Connection	Name of the source connection.
Source Type	Type of the source object. Select **Single Object**.
Object	Name of the source object for the mapping.
Filter	Filters records and reduces the number of rows that the Secure Agent reads from the source. You can use a basic filter or an advanced filter to read specific records. The filter is mandatory for certain MRI Software objects. For more information, see "Filtering records from MRI Software sources" on page 10.

Filtering records from MRI Software sources

You can use a filter expression to reduce the number of rows that the Secure Agent reads from the source.

You can use a basic filter or advanced filter to select specific records from an MRI Software source.

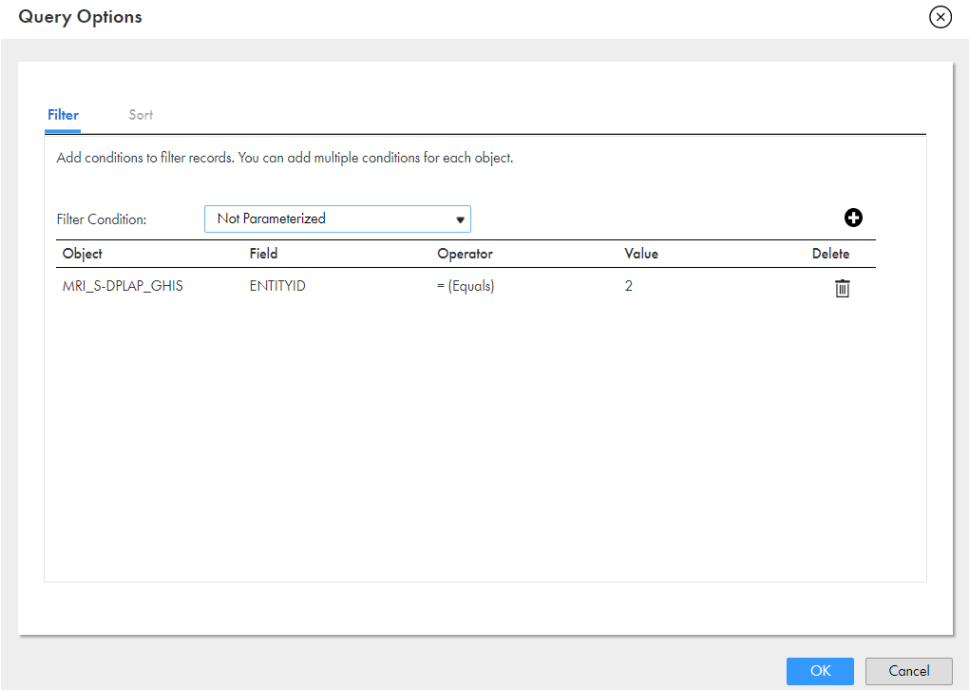
- **Simple**. You can create one or more simple data filters. When you create multiple simple data filters, the associated task creates an AND operator between the filters and loads rows that apply to all simple data filters.

- **Advanced**. Applicable only to `MRI_S-PMGL_JournalEntries` and `MRI_S-DPLGL_JOURNAL` objects. Create an advanced data filter to create complex expressions that use AND, OR, or nested conditions. When you create an advanced data filter, you enter one expression that contains all filters. The expression that you enter becomes the WHERE clause in the query used to retrieve records from the source.

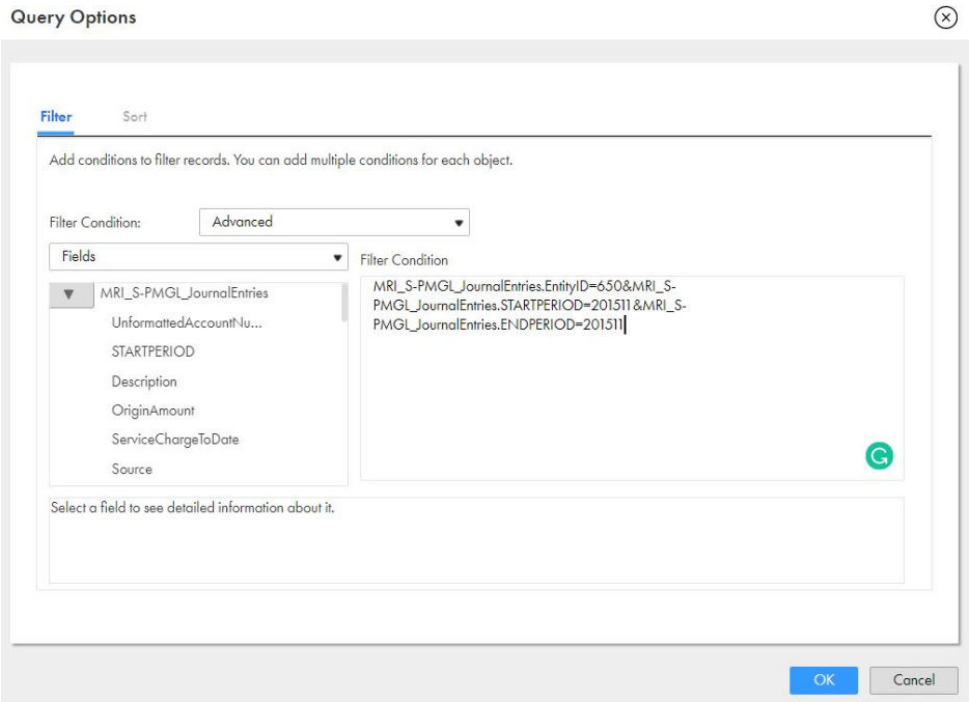
Configuring a filter

Perform the following steps to configure a simple filter or advanced filter:

1. In the **Query Options** section, click **Configure** for the Filter property.
2. In the **Filter Condition** list, select **Non Parameterized** for a simple filter or **Advanced** for an advanced filter.
3. Configure the filter condition.
   For a simple filter, select the object, field, and operator and specify the filter value.



For an advanced filter, select the object and field and specify the filter expression. You can create complex expressions that use AND, OR, or nested conditions.



4. Click **OK**.

Data Pipeline API

The following table provides information on the filter fields for the objects that you can specify when you read data from Data Pipeline API:

Object	Filter support	Filter fields
MRI_S-DPLGL_JOURNAL	Yes	Optional - LASTDATE
MRI_S-DPLAP_GLSUM	No	-
MRI_S-DPLAP_GHIS	Yes	Optional - ENTITYID - STARTPERIOD - ENDPERIOD
MRI_S-DPLRM_NAME	Yes	Optional - LASTDATE
MRI_S-DPLRM_RMBLDG	Yes	Optional - LASTDATE
MRI_S-DPLRM_RMLEASE	No	-
MRI_S-DPLRM_RMLEASEHIST	No	-
MRI_S-DPLRM_RMRECC	No	-
MRI_S-DPLRM_RMLEDG	No	-

Object	Filter support	Filter fields
MRI_S-DPLRM_RMPROP	Yes	Optional - LASTDATE
MRI_S-DPLCM_BSQF	Yes	Optional - LASTDATE
MRI_S-DPLCM_SUIT	Yes	Optional - LASTDATE
MRI_S-DPLCM_CMRECC	Yes	Optional - LASTDATE
MRI_S-DPLCM_CMRECC_X5	Yes	Optional - LASTDATE
MRI_S-DPLCM_BLDG	Yes	Optional - LASTDATE
MRI_S-DPLCM_LEAS	No	-
MRI_S-DPLCM_SSQF	No	-

REST API

The following table provides information on the filter fields for the objects that you can specify when you read data from REST

Object	Filter support	Filter fields
MRI_S-PMCM_MasterOccupants	No	-
MRI_S-PMAP_JournalEntryGLSegment	Yes	Mandatory - EntityID - StartPeriod - EndPeriod
MRI_S-PMGL_Accounts	Yes	Optional - AccountType - LastDate
MRI_S-PMGL_ChartsOfAccounts	Yes	Optional - LedgerCode - LastDate
MRI_S-PMGL_GLSummary	Yes	Mandatory - StartPeriod - EndPeriod Optional - EntityID - Basis - Department - AccountName - AccountNumber

Object	Filter support	Filter fields
MRI_S-PMAP_JournalEntries	Yes	Mandatory - GHISWHERE - JOURNALWHERE
MRI_S-PMGL_JournalEntries	Yes	Mandatory - EntityID - StartPeriod - EndPeriod Optional - LastDate
MRI_S-PMGL_EntityListing	Yes	Optional - EntityID - PropertyType - PropertySubType - StateID - DispositionDate - LocationID - LastDate
MRI_S-PMBASE_CurrencyExchangeRates	Yes	Mandatory - CurrencyFrom Optional - CurrencyTo
MRI_S-PMBASE_CurrencyCodes	No	-
MRI_S-PMRM_GetLeaseSummary	Yes	Mandatory - NameID Optional - LastUpdate
MRI_S-PMRM_LeaseHistory	Yes	Mandatory - NameID
MRI_S-PMRM_Ledger	Yes	Mandatory - StartDate - EndDate
MRI_S-PMRM_RecurringCharges	Yes	Mandatory - PropertyID Optional - BuildingID - UnitID - LeaseID - LastUpdate
MRI_S-PMRM_RentRoll	Yes	Mandatory - PropertyID Optional - BuildingID - UnitID

Object	Filter support	Filter fields
MRI_S-PMRM_ResidentialBuildings	Yes	Mandatory - RMPROPID Optional - LASTUPDATE - RMBLDGID
MRI_S-PMRM_ResidentialUnits	Yes	Mandatory - RMPROPID Optional - LastDate - UnitID
MRI_S-PMRM_ResidentLeases	Yes	Mandatory - PropertyID Optional - LASTUPDATE
MRI_S-PMRM_ResidentLedger	Yes	Mandatory - PropertyID - StartDate - EndDate Optional - NameID - TransactionID
MRI_S-PMRM_Residents	Yes	Mandatory - LastUpdate Optional - NameID - PropertyID
MRI_S-PMCM_EntityActivityTotalByAccount	Yes	Mandatory - EntityID - PeriodStart - PeriodEnd Optional - AccountingBasis - BudgetType
MRI_S-PMCM_CommercialLedger	Yes	Mandatory - BuildingID Optional - LeaseID
MRI_S-PMCM_CommercialLeasesLeasByBuildingID	Yes	Mandatory - MasterOccupantID Optional - LastUpdateDate - LeaseID

MRI Software mapping example

You want to read data from MRI Software and write data to a flat file.

Perform the following steps to create a mapping:

1. Select **Data Integration** from the menu.
   The Data Integration Home page appears.
2. To create a mapping, click **New** and then in the **New Asset** dialog box, click **Mapping**.
3. Click **Create**.
   The Mapping Designer appears with a new mapping displayed in the mapping canvas.
4. In the **Properties** panel, enter the mapping name and select the location you want the mapping to reside in, or use the default location.
5. On the mapping canvas, click the Source transformation.
   a. In the **Properties** panel, click **General** and enter a name for the Source transformation.
   b. Click **Source** and select an MRI Software connection to read MRI Software objects.
   c. Select **Single Object** as the **Source Type**.
   d. Select the MRI Software object for which you want to read the data.
   e. Under Query Options, configure the filter fields for the MRI Software objects.

      Note: The filter is mandatory for certain MRI Software objects. For more information, see "Filtering records from MRI Software sources" on page 10.
   f. To save the mapping and continue, click **Save**.
6. On the mapping canvas, click the Target transformation.
   a. In the **Properties** panel, click **General** and enter a name for the Source transformation.
   b. Click **Target** and select a flat file connection to write data to a flat file.
   c. Select **Single Object** as the **Target Type**.
   d. Select the flat file as the target object.
   e. Select **Insert** as the **Operation**.

      Note: You can perform only the insert operation
   f. In the **Field Mapping** tab, map the incoming fields to the target fields. You can manually map an incoming field to a target field or automatically map fields based on the field names.
7. Save and run the mapping.
   After you validate the mapping, you can use the mapping to create a mapping task.

CHAPTER 4

Data type reference

This chapter includes the following topics:

- Data type reference overview, 17
- MRI Software and transformation data types, 17

Data type reference overview

Data Integration uses the following data types in mappings and mapping tasks with MRI Software:

MRI Software native data types

MRI Software data types appear in the Fields tab for the Source transformation 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.

MRI Software and transformation data types

The following table describes the data types that Data Integration supports for MRI Software sources:

MRI Software data type	Transformation data type	Range and description
String	String	Default length of 255 characters.
Integer	Integer	-2,147,483,648 to 2,147,483,647
Decimal	Double	Double-precision floating-point numeric value.
Datetime	Timestamp	

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