Informatica® SAP Financial Management Extension for Reference 360

October 2023

SAP Financial Management Extension for Reference 360

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Preface

Use the SAP Financial Management extension for MDM - Reference 360 help to learn how to create, manage, and govern financial reference data in Reference 360. Learn how to deploy the extension and to integrate the extension with the SAP source systems.

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 Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit https://docs.informatica.com.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at infa_documentation@informatica.com.

Informatica Intelligent Cloud Services web site

You can access the Informatica Intelligent Cloud Services web site at http://www.informatica.com/cloud. This site contains information about Informatica Cloud integration services.

Informatica Intelligent Cloud Services Communities

Use the Informatica Intelligent Cloud Services Community to discuss and resolve technical issues. You can also find technical tips, documentation updates, and answers to frequently asked questions.

To access the Informatica Intelligent Cloud Services Community, see Master Data Management SaaS Community.

Developers can learn more and share tips at the Cloud Developer community:

https://network.informatica.com/community/informatica-network/products/cloud-integration/cloud-developers

Informatica Intelligent Cloud Services Marketplace

Visit the Informatica Marketplace to try and buy Data Integration Connectors, templates, and mapplets:

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Informatica Knowledge Base

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Informatica Intelligent Cloud Services Trust Center

The Informatica Intelligent Cloud Services Trust Center provides information about Informatica security policies and real-time system availability.

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The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at https://www.informatica.com/services-and-training/support-services/contact-us.html.

CHAPTER 1

Introducing SAP Financial Management extension for Reference 360

An extension is a ready-to-use package that extends the capability of MDM - Reference 360 for financial management. The package includes reference data sets, code lists, hierarchies, jobs, and Data Integration assets to support jobs. You can use an extension as a template to get started with MDM - Reference 360 for financial management.

Use the SAP Financial Management extension for MDM - Reference 360 to integrate SAP master data and MDM - Reference 360. The supported SAP master data types are General Ledger (GL) Accounts and Cost Centres.

You can import the SAP financial master data into MDM - Reference 360, and then create, define, manage, and govern the financial master data in MDM - Reference 360. You can export the MDM - Reference 360 records to SAP S/4HANA.

For example, you can create financial reference data for business users in an organization from SAP financial master data. You can use this financial reference data in daily transactions and extract information from it.

You can configure SAP ECC and SAP S/4HANA to synchronize data with MDM - Reference 360 in batches. You can also leverage the SAP Financial Management extension to migrate financial master data from the SAP ECC application to SAP S/4HANA.

To deploy the extension, download and extract the extension package, import the extension assets into MDM - Reference 360, and configure the SAP and Customer 360 connection.

Guidelines to use the extension

To use the SAP Financial Management extension, you need to consider some rules and guidelines.

Use the extension as a template and customize it for your requirements. After you deploy the extension, you can't upgrade to a new version of the extension when it is available.

Prerequisites

Before you integrate Customer 360 with SAP ECC, enable the following licenses:

- SAP ECC 6.0 EHP8 version
- SAP Table Connector
- SAP Business Application Programming Interfaces (BAPI) Connector

Ensure that you have the licenses required to manage connections, external data, and service rights.

Note: The use of the extension doesn't confer any additional license or entitlement to license consumption beyond the terms specified in the applicable licensing agreements.

Before you integrate Customer 360 with SAP S/4HANA, enable the following licenses:

- SAP S/4HANA 2020 version
- SAP Table Connector
- SAP Business Application Programming Interfaces (BAPI) Connector

CHAPTER 2

Reference 360 and SAP integration

Use the SAP Financial Management extension for MDM - Reference 360 to integrate SAP financial master data and Reference 360.

You can configure the extension to integrate SAP ECC and SAP S/4HANA with Reference 360 in batches. You can import data from SAP ECC and SAP S/4HANA to Reference 360 and export Reference 360 data to SAP S/4HANA in batches.

The following image displays the process to import data from SAP ECC and SAP S/4HANA and export data to SAP S/4HANA in batches:

Importing and exporting data in batches

You can import data from SAP ECC and SAP S/4HANA to Reference 360 in batches. Also, you can export reference data from Reference 360 to SAP S/4HANA in batches.

To import or export data, create a job with the corresponding taskflow, mapping task, and mapping. After you create a job, run the job.

For more information about jobs and their Cloud Data Integration assets, see "Cloud Data Integration assets" on page 27.

When you import data from SAP ECC and SAP S/4HANA to Reference 360, the SAP table connector writes data from a SAP table to a reference data set in Reference 360. For hierarchy objects, the SAP table connector writes data from a SAP table to a hierarchy reference data set in Reference 360.

When you export data from Reference 360, the SAP table connector writes data from Reference 360 to custom SAP tables. Every reference data set is mapped to a corresponding custom SAP table for SAP objects, such as GL COA Master, Cost Center Text, and Profit Center other than hierarchy objects.

For hierarchy objects, you can write data from the hierarchy reference data set to the hierarchy custom SAP tables.

CHAPTER 3

SAP Financial Management extension assets

The SAP Financial Management extension is available as a package for installation on request.

The package includes the following predefined assets:

- Reference data sets
- Batch jobs
- Taskflows
- Mapping tasks
- Mappings
- Rule specifications

Reference data sets

The SAP Financial Management extension includes reference data sets, code lists, and validation rules for the General Ledger (GL) Accounts and Cost Center master data types.

You can use the GL Account and Cost Center reference data attributes defined for the code values to manage the SAP financial data. By default, the attributes defined for all code values are the Name and Code attributes, and they are required attributes.

The SAP Financial Management extension for MDM - Reference 360 provides master data and lookup values for the reference data sets. Ensure that you don't edit the predefined lookup values provided in the extension.

R360: GL COA Master reference data set for GL Account

The R360: GL COA Master reference data set stores reference data of a general ledger account, such as account type and account group. The R360: GL COA Master reference data set is a master data that refers to lookup values, such as R360: Functional Area and R360: Account Type reference data sets.

The R360: GL COA Master reference data set contains the following code lists:

- Enterprise R360: GL COA Master
- ECC GL COA Master
- S4H GL COA Master

The following table lists the attributes that the code lists in the R360: GL COA Master reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code for the financial transactions for a general ledger.
Account Group	String	Fields to include for data entry when you create a record in SAP.
Account Type	String	Type of account.
Blocked for Creation	Boolean	Indicates whether the account is blocked for creation in the chart of accounts and in the company code-specific area.
Blocked for Planning	Boolean	Indicates whether the account is blocked for planning in the chart of accounts and in the company code-specific area.
Blocked for Posting	Boolean	Indicates whether the account is blocked for posting in the chart of accounts and in the company code-specific area.
Chart of Accounts	String	A group of GL accounts with accounting transactions.
Functional Area	String	Unit to sort the accounts based on the functions.
Indicator	Boolean	Indicates whether the account is a balance sheet account.
Name	String	Code for the financial transactions for a general ledger.
PL Statement Account Type	String	Type of profit and loss statement account.
Search Term	String	Input value for a search field to provide the possible match results.

R360: Account Group reference data set for GL Account

The R360: Account Group reference data set stores reference data of criteria based on which the GL accounts in the account group are created. The R360: GL COA Master reference data set refers to the R360: Account Group reference data as a lookup value.

The R360: Account Group reference data set contains the following code lists:

- Enterprise R360: Account Group
- ECC Account Group
- S4H Account Group

The following table lists the attributes that the code lists in the R360: Account Group reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code value of the account group.
Account Group Description	String	Description about the account group.
Account Range	String	Account number range to group similar accounts.
Lower Limit	String	The lower range of the account number to include in the account group.
Name	String	Code value of the account group.
Upper Limit	String	The upper range of the account number to include in the account group.

R360: Account Type reference data set for GL Account

The R360: Account Type reference data set stores reference data of accounting area to which an account belongs. The R360: GL COA Master reference data set refers to the R360: Account Type reference data as a lookup value.

The R360: Account Type reference data set contains the following code lists:

- Enterprise R360: Account Type
- ECC Account Type
- S4H Account Type

The following table lists the attributes that the code lists in the R360: Account Type reference data set contain:

Attribute Name	Field Type	Description
Code	String	Accounting area to which an account belongs. For example, balance sheet account, non-operating expense or income, primary costs or revenue, secondary costs, and cash account.
Name	String	Accounting area to which an account belongs. For example, balance sheet account, non-operating expense or income, primary costs or revenue, secondary costs, and cash account.

R360: Chart of Account reference data set for GL Account

The R360: Chart of Account reference data set stores reference data of the accounting transactions of a GL account, such as name and number of the GL account. The R360: GL COA Master reference data set refers to the R360: Chart of Account reference data as a lookup value.

The R360: Chart of Account reference data set contains the following code lists:

- Enterprise R360: Chart of Account
- ECC Chart of Account
- S4H Chart of Account

The following table lists the attributes that the code lists in the R360: Chart of Account reference data set contain:

Attribute Name	Field Type	Description
COA Description	String	Description about the chart of accounts.
Code	String	A group of GL accounts.
Length of GL Account Number	String	Length of the GL account numbers for the chart of accounts.
Maintenance Language	String	Language to use to describe the GL accounts for the chart of accounts.
Name	String	List of general ledger accounts.

R360: Functional Area reference data set for GL Account

The R360: Functional Area reference data set stores reference data of an account characteristic to sort the transactions according to the function. The R360: GL COA Master reference data set refers to the R360: Functional Area reference data as a lookup value.

The R360: Functional Area reference data set contains the following code lists:

- Enterprise R360: Functional Area
- ECC Functional Area
- S4H Functional Area

The following table lists the attributes that the code lists in the R360: Functional Area reference data set contain:

Attribute Name	Field Type	Description
Code	String	Name and code of a functional area. For example, administrative functions or production processes.
Name	String	Name and code of a functional area. For example, administrative functions or production processes.

R360: GL COA Description reference data set for GL Account

The R360: GL COA Description reference data set stores reference data of a general ledger account description, such as short description and long description. The R360: GL COA Description reference data set is a master data that refers to the R360: GL COA Master reference data set as a lookup value.

The R360: GL COA Description reference data set contains the following code lists:

- Enterprise R360: GL COA Description
- ECC GL COA Description
- S4H GL COA Description

The following table lists the attributes that the code lists in the R360: GL COA Description reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code that represents a language.
GL Account	String	A group of GL accounts.
Long Description	String	Long description about a GL Account.
Name	String	Code that represents a language.
Short Description	String	Short description about a GL Account.

R360: Language reference data set for GL Account

The R360: Language reference data set stores reference data of languages to maintain a GL account. The R360: GL COA Description reference data set refers to the R360: Language reference data as a lookup value.

The R360: Language reference data set contains the following code lists:

- Enterprise R360: Language
- ECC Language
- S4H Language

The following table lists the attributes that the code lists in the R360: Language reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code for the language key format.
Name	String	Code for the language key format.

R360: GL Company Code Master reference data set for GL Account

The R360: GL Company Code Master reference data set stores data that is valid for one company code such as currency in which the account is to be maintained. The R360: GL Company Code Master reference data set is a master data that refers to the R360: GL COA Master reference data set as a lookup value.

The GL Company Code Master reference data set contains the following code lists:

- Enterprise R360: GL Company Code Master
- ECC GL Company Code Master
- S4H GL Company Code Master

The following table lists the attributes that the code lists in the R360: GL Company Code Master reference data set contain:

Attribute Name	Field Type	Description
Account Currency	String	Currency that is used to maintain a GL account.
Balance In Local Currency Only	Boolean	Indicates whether the local currency is used to maintain the balance transaction figures.
Blocked For Posting	Boolean	Indicates whether the account is blocked for posting in the chart of accounts and in the company code-specific area.
Code	String	Company code to generate financial statements.
Cost Element Category	String	Type of cost elements.
Field Status Group	String	Status of a field for posting transactional data to a GL account.
GL Account	String	List of GL accounts.
Indicator	String	Indicates whether the reconciliation account is ready for input at the time of posting.
Mark For Delete	Boolean	Flag to indicate whether the record is marked for deletion.
Name	String	Company code to generate financial statements.
Open Item Management	Boolean	Indicates whether the account manages incomplete transactions.
Post Automatically Only	Boolean	Indicates whether the account is blocked for manual posting.
Posting Without Tax Allowed	Boolean	Indicates whether no tax code needs to be entered when posting to the account.

Attribute Name	Field Type	Description
Reconciliation Account Indicator	Boolean	Indicates whether the reconciliation account is ready for input at the time of posting.
Sort Key	String	Key to sort the assignment number field in the line items of GL account.
Tax Code	String	Sequenced collection of tax components that define the tax rates.

R360: Company Code reference data set for GL Account

The R360: Company Code reference data set stores reference data of company codes to generate financial statements. The R360: GL Company Code Master reference data set refers to the R360: Company Code reference data as a lookup value.

The R360: Company Code reference data set contains the following code lists:

- Enterprise R360: Company Code
- ECC Company Code
- S4H Company Code

The following table lists the attributes that the code lists in the R360: Company Code reference data set contain:

Attribute Name	Field Type	Description
Code	String	Company code to generate financial statements.
Name	String	Name of the company code.

R360: Currency reference data set for GL Account

The R360: Currency reference data set stores reference data of a currency used for postings made to an account. The R360: GL Company Code Master reference data set refers to the R360: Currency reference data as a lookup value.

The R360: Currency reference data set contains the following code lists:

- Enterprise R360: Currency
- ECC Currency
- S4H Currency

The following table lists the attributes that the code lists in the R360: Currency reference data set contain:

Attribute Name	Field Type	Description
Code	String	Currency to maintain the transaction figures and to display the account balance.
ISO Code	String	ISO currency code.
Name	String	Currency to maintain the transaction figures and to display the account balance.

R360: Field Status reference data set for GL Account

The R360: Field Status reference data set stores reference data for the status of a field. The R360: GL Company Code Master reference data set refers to the R360: Field Status reference data as a lookup value.

The R360: Field Status reference data set contains the following code lists:

- Enterprise R360: Field Status
- ECC Field Status
- S4H Field Status

The following table lists the attributes that the code lists in the R360: Field Status reference data set contain:

Attribute Name	Field Type	Description
Code	String	Status of a field for posting transactional data to the GL account. For example, optional or suppressed.
Name	String	Status of a field for posting transactional data to the GL account. For example, optional or suppressed.

R360: Tax Code reference data set for GL Account

The R360: Tax Code reference data set stores reference data of a tax component that defines the tax rates. The R360: GL Company Code Master reference data set refers to the R360: Tax Code reference data as a lookup value.

The R360: Tax Code reference data set contains the following code lists:

- Enterprise R360: Tax Code
- ECC Tax Code
- S4H Tax Code

The following table lists the attributes that the code lists in the R360: Tax Code reference data set contain:

Attribute Name	Field Type	Description
Code	String	Tax component specification to calculate tax.
Name	String	Tax component specification to calculate tax.

R360: Reconciliation Account Type reference data set for GL Account

The R360: Reconciliation Account Type reference data set stores reference data of a reconciliation account that receives postings from subsidiary ledgers. The R360: GL Company Code Master reference data set refers to the R360: Reconciliation Account reference data as a lookup value.

The R360: Reconciliation Account Type reference data set contains the following code lists:

- Enterprise R360: Reconciliation Account Type
- ECC Reconciliation Account Type
- S4H Reconciliation Account Type

The following table lists the attributes that the code lists in the R360: Reconciliation Account Type reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code for a GL account to characterize the GL account as a reconciliation account. For example, assets, customers, vendors, or contract accounts receivable.
Name	String	Code for a GL account to characterize the GL account as a reconciliation account. For example, assets, customers, vendors, or contract accounts receivable.

R360: Sort Key reference data set for GL Account

The R360: Sort Key reference data set stores reference data to populate the assignment number in the line items of a GL account. The R360: GL Company Code Master reference data set refers to the R360: Sort Key reference data as a lookup value.

The R360: Sort Key reference data set contains the following code lists:

- Enterprise R360: Sort Key
- ECC Sort Key
- S4H Sort Key

The following table lists the attributes that the code lists in the R360: Sort Key reference data set contain:

Attribute Name	Field Type	Description
Code	String	Assignment number in the line items of a GL account.
Name	String	Name of the sort key.

R360: Cost Center reference data set for Cost Center

The R360: Cost Center reference data set stores reference data for cost center for financial reporting. The R360: Cost Center reference data set is a master data that refers to lookup values, such as R360: Business Area and R360: Controlling Area reference data sets.

The R360: Cost Center reference data set contains the following code lists:

- Enterprise R360: Cost Center
- ECC Cost Center
- S4H Cost Center

The following table lists the attributes that the code lists in the R360: Cost Center reference data set contain:

Attribute Name	Field Type	Description
Business Area	String	Business area of accounting.
City	String	Regions and transport zones of a cost center.
Code	String	Code for a cost center.
Company Code	String	Company code to generate financial statements.
Controlling Area	String	Controlling areas to perform cost accounting.
Cost Center Category	String	Type of cost center.
Country Key	String	Identifier to verify entries.
Created On	String	Date on which the cost center creation was created.
Currency Key	String	Code of the currencies for a transaction.
Department	String	Department of a cost center that adds to a cost.
Description	String	Description of a cost center.
Functional Area	String	Cost center characteristic to sort the transactions according to the function.

Attribute Name	Field Type	Description
House Number and Street	String	House number and street of a cost center address.
Language Key	String	Code that represents a language.
Lock Indicator	Boolean	Indicates whether a cost center is locked for posting.
Lock Indicator For Actual Primary Postings	Boolean	Indicates whether a cost center is locked for posting with primary costs.
Lock Indicator For Actual Revenue Postings	Boolean	Indicates whether a cost center is locked for posting with revenues.
Lock Indicator For Actual Secondary Costs	Boolean	Indicates whether a cost center is locked for posting with secondary costs.
Lock Indicator For Plan Primary Costs	Boolean	Indicates whether a cost center is locked for posting with primary costs in the plan.
Lock Indicator For Plan Secondary Costs	Boolean	Indicates whether a cost center is locked for posting with secondary costs in the plan.
Lock Indicator For Planning Revenues	Boolean	Indicates whether a cost center is locked for posting with planning revenues.
Name	String	Names of a cost center.
Person Responsible	String	Person responsible for a cost center.
Postal Code	String	Postal code of a cost center.
PO Box	String	Postal address of a cost center.
PO Box Postal Code	String	PO box postal code of a cost center.
Profit Center	String	Area for which profit is determined.
Standard Hierarchy Area	String	Areas of all cost centers in a hierarchy.
User Responsible	String	User responsible for a cost center.
Tax Jurisdiction	String	Tax jurisdiction code.
Valid From Date	String	Date from when a cost center is valid.
Valid To Date	String	Date till when the cost center is valid.

R360: Business Area reference data set for Cost Center

The R360: Business Area reference data set stores reference data of a specific business segment. The R360: Cost Center reference data set refers to the R360: Business Area reference data as a lookup values.

The R360: Business Area reference data set contains the following code lists:

- Enterprise R360: Business Areas
- ECC Business Areas
- S4H Business Areas

The following table lists the attributes that the code lists in the R360: Business Area reference data set contain:

Attribute Name	Field Type	Description
Code	String	Business segment of an operation.
Name	String	Business segment of an operation.

R360: Company Code reference data set for Cost Center

The R360: Company Code reference data set stores reference data of company codes to generate financial statements. The R360: Cost Center reference data set refers to the R360: Company Code reference data as a lookup value.

The R360: Company Code reference data set contains the following code lists:

- Enterprise R360: Company Code
- ECC Company Code
- S4H Company Code

The following table lists the attributes that the code lists in the R360: Company Code reference data set contain:

Attribute Name	Field Type	Description
Code	String	Company code to generate financial statements.
Name	String	Company code to generate financial statements.

R360: Controlling Area reference data set for Cost Center

The R360: Controlling Area reference data set stores reference data for controlling area to perform cost accounting. The R360: Cost Center and R360: Cost Center Text reference data sets refer to the R360: Controlling Area reference data as a lookup value.

The R360: Controlling Area reference data set contains the following code lists:

- Enterprise R360: Controlling Area
- ECC Controlling Area
- S4H Controlling Area

The following table lists the attributes that the code lists in the R360: Controlling Area reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a controlling area.
Name	String	Name of a controlling area.

R360: Cost Center Type reference data set for Cost Center

The R360: Cost Center Type reference data set stores reference data of the components that add to the cost. The R360: Cost Center reference data set refers to the R360: Cost Center Type reference data as a lookup value.

The R360: Cost Center Type reference data set contains the following code lists:

- Enterprise R360: Cost Center Type
- ECC Cost Center Type
- S4H Cost Center Type

The following table lists the attributes that the code lists in the R360: Cost Center Type reference data set contain:

Attribute Name	Field Type	Description
Code	String	Type of a cost center.
Name	String	Type of a cost center.

R360: Country reference data set for Cost Center

The R360: Country reference data set stores reference data of countries. The R360: Cost Center reference data set refers to the R360: Country reference data as a lookup value.

The R360: Country reference data set contains the following code lists:

- Enterprise R360: Country
- ECC Country
- S4H Country

The following table lists the attributes that the code lists in the R360: Country reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a country.
Name	String	Code of a country.

R360: Currency reference data set for Cost Center

The R360: Currency reference data set stores reference data of a currency used for postings made to an account. The R360: Cost Center reference data set refers to the R360: Currency reference data as a lookup value.

The R360: Currency reference data set contains the following code lists:

- Enterprise R360: Currency
- ECC Currency
- S4H Currency

The following table lists the attributes that the code lists in the R360: Currency reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a currency to maintain the transaction figures and to display the account balance.
Name	String	Code of a currency to maintain the transaction figures and to display the account balance.

R360: Functional Area reference data set for Cost Center

The R360: Functional Area reference data set stores reference data of an account characteristic to sort the transactions according to the function. The R360: Cost Center reference data set refers to the R360: Functional Area reference data as a lookup value.

The R360: Functional Area reference data set contains the following code lists:

- Enterprise R360: Functional Area
- ECC Functional Area
- S4H Functional Area

The following table lists the attributes that the code lists in the R360: Functional Area reference data set contain:

Attribute Name	Field Type	Description
Code	String	Name and code of a functional area. For example, administrative functions or production processes.
Name	String	Name and code of a functional area. For example, administrative functions or production processes.

R360: Profit Center reference data set for Cost Center

The R360: Profit Center reference data set stores reference data of an area for which profit is determined. The R360: Cost Center reference data set refers to the R360: Profit Center reference data as a lookup value.

The R360: Profit Center reference data set contains the following code lists:

- Enterprise R360: Profit Center
- ECC Profit Center
- S4H Profit Center

The following table lists the attributes that the code lists in the R360: Profit Center reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a profit center.
Name	String	Code of a profit center.

R360: Tax Jurisdiction reference data set for Cost Center

The R360: Tax Jurisdiction reference data set stores reference data of the tax jurisdiction codes. The R360: Cost Center reference data set refers to the R360: Tax Jurisdiction reference data as a lookup value.

The R360: Tax Jurisdiction reference data set contains the following code lists:

- Enterprise R360: Tax Jurisdiction
- ECC Tax Jurisdiction
- S4H Tax Jurisdiction

The following table lists the attributes that the code lists in the R360: Tax Jurisdiction reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a tax jurisdiction.
Name	String	Code of a tax jurisdiction.

R360: Cost Center Text reference data set for Cost Center

The R360: Cost Center Text reference data set stores reference data of the cost center descriptions. The R360: Cost Center Text reference data set is a master data that refers to the R360: Cost Center reference data set as a lookup value.

The R360: Cost Center Text reference data set contains the following code lists:

- Enterprise R360: Cost Center Text
- ECC Cost Center Text
- S4H Cost Center Text

The following table lists the attributes that the code lists in the R360: Cost Center Text reference data set contain:

Attribute Name	Field Type	Description
Code	String	Key that represents a language.
Description	String	Description of a cost center.
General Name	String	Name of the cost center.
Controlling Area	String	Controlling area that performs cost accounting.
Cost Center	String	Type of the cost center.
Name	String	Key that represents a language.
Valid To Date	Date	Date till when a cost center is valid.

R360: Language reference data set for Cost Center

The R360: Language reference data set stores reference data of languages to maintain a cost center. The R360: Cost Center and R360: Cost Center Text reference data sets refer to the R360: Language reference data as a lookup value.

The R360: Language reference data set contains the following code lists:

- Enterprise R360: Language
- ECC Language
- S4H Language

The following table lists the attributes that the code lists in the R360: Language reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a language to maintain the cost center.
Name	String	Code of a language to maintain the cost center.

R360: Standard Cost Center Hierarchy reference data set

The R360: Standard Cost Center Hierarchy reference data set stores reference data of a cost center within an organizational hierarchy. The R360: Standard Cost Center Hierarchy reference data set is a master data that refers to the R360: Cost Center reference data set as a lookup value.

The R360: Standard Cost Center Hierarchy reference data set contains the following code lists:

- Enterprise R360: Standard Cost Center Hierarchy
- ECC Standard Cost Center Hierarchy
- S4H Standard Cost Center Hierarchy

The following table lists the attributes that the code lists in the R360: Standard Cost Center Hierarchy reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code value of an account group.
Controlling Area	String	Controlling area to which the accounts in the standard hierarchy belong.
Description	String	Description of a standard hierarchy.
Name	String	Code value of an account group.

Note: The SAP Financial Management extension supports descriptions only in English. To use descriptions in other languages, specify the language code of the SAP system when you configure the application connection to connect to the SAP system.

For more information about the SAP language codes, see Supported Languages and Code Pages (Non-Unicode).

R360: Profit Center reference data set

The R360: Profit Center reference data set stores reference data of the segments of profitability and efficiency. Each profit center is assigned an administrative unit control area. The R360: Profit Center reference data set is a master data that refers to lookup values, such as R360: Company Code and R360: Controlling Area reference data sets.

The R360: Profit Center reference data set contains the following code lists:

- Enterprise R360: Profit Center
- ECC Profit Center
- S4H Profit Center

The following table lists the attributes that the code lists in the R360: Profit Center reference data set contain:

Attribute Name	Field Type	Description
Code	String	Code of a profit center.
Controlling Area	String	Controlling area to perform profit center accounting.
Company Code	String	Company code to generate financial statements.
Name	String	Code of a profit center.
Valid To	String	Date till when the post center is valid.

Cloud Data Integration assets

The SAP Financial Management extension includes Cloud Data Integration assets, such as predefined taskflows, mapping tasks, and mappings. Create import and export jobs based on the predefined taskflows.

Use import batch job to ingress the SAP ECC and SAP S/4HANA finance master data to Reference 360. After you import the SAP records to Reference 360, you can process the imported records in Reference 360. Use export job to export the processed records from Reference 360 to SAP S/4HANA.

The SAP ECC GL Account and Cost Centre lookup reference data sets use the same taskflow and import job. The SAP S/4HANA GL Account and Cost Centre lookup reference data sets use the same taskflow and import job.

Cloud Data Integration assets of GL Account for SAP ECC

To import the SAP ECC GL Account records to Reference 360, use the predefined Cloud Data Integration assets and create batch jobs.

Each job uses a taskflow to run a mapping task. Each mapping task includes a mapping that maps the SAP ECC finance master data with the SAP ECC Reference 360 GL Accounts reference data set code list. The SAP Financial Management extension package includes the predefined Cloud Data Integration assets.

The following table describes the taskflows and lists the related mapping tasks and mappings:

Taskflow	Mapping Task	Mapping	Description
infac360sap_tf_ecc_lkp_r360_inbound	- infar360sap_mt_ecc_r360_batch_inbound_accountgroup - infar360sap_mt_ecc_r360_batch_inbound_accounttype - infar360sap_mt_ecc_r360_batch_inbound_chartofaccount - infar360sap_mt_ecc_r360_batch_inbound_compcode - infar360sap_mt_ecc_r360_batch_inbound_currency - infar360sap_mt_ecc_r360_batch_inbound_fieldstatus - infar360sap_mt_ecc_r360_batch_inbound_functionalarea - infar360sap_mt_ecc_r360_batch_inbound_language - infar360sap_mt_ecc_r360_batch_inbound_reconciliationaccounttype - infar360sap_mt_ecc_r360_batch_inbound_sortkey - infar360sap_mt_ecc_r360_batch_inbound_taxcode - infar360sap_mt_ecc_r360_batch_inbound_taxjurisdiction	- infar360sap_m_ecc_r360_batch_inbound_accountgroup - infar360sap_m_ecc_r360_batch_inbound_accounttype - infar360sap_m_ecc_r360_batch_inbound_chartofaccount - infar360sap_m_ecc_r360_batch_inbound_compcode - infar360sap_m_ecc_r360_batch_inbound_currency - infar360sap_m_ecc_r360_batch_inbound_fieldstatus - infar360sap_m_ecc_r360_batch_inbound_functionalarea - infar360sap_m_ecc_r360_batch_inbound_language - infar360sap_m_ecc_r360_batch_inbound_reconciliationaccounttype - infar360sap_m_ecc_r360_batch_inbound_sortkey - infar360sap_m_ecc_r360_batch_inbound_taxcode - infar360sap_m_ecc_r360_batch_inbound_taxjurisdiction	Imports data from the SAP ECC to the Reference 360 GL Account lookup reference data set.
infar360sap_tf_ecc_r360_glaccount_batch_inbound	- infar360sap_mt_ecc_r360_glacc_batch_inbound_coadescription - infar360sap_mt_ecc_r360_glacc_batch_inbound_coamaster - infar360sap_mt_ecc_r360_glacc_batch_inbound_compcodemaster	- infar360sap_m_ecc_r360_glacc_batch_inbound_coadescription - infar360sap_m_ecc_r360_glacc_batch_inbound_coamaster - infar360sap_m_ecc_r360_glacc_batch_inbound_compcodemaster	Imports data from the SAP ECC to the Reference 360 GL Account master reference data set.

Cloud Data Integration assets of GL Account for SAP S/4HANA

To import the SAP S/4HANA GL Account records to Reference 360 and export the Reference 360 records to SAP S/4HANA, use the predefined Cloud Data Integration assets and create batch jobs.

Each job uses a taskflow to run a mapping task. Each mapping task includes a mapping that maps the SAP S/4HANA finance master data with the SAP S/4HANA Reference 360 GL Accounts reference data set code list. The SAP Financial Management extension package includes the predefined Cloud Data Integration assets.

The following table describes the taskflows and lists the related mapping tasks and mappings:

Taskflow	Mapping Task	Mapping	Description
infac360sap_tf_s4h_lkp_r360_inbound	- infar360sap_mt_s4h_r360_batch_inbound_accountgroup - infar360sap_mt_s4h_r360_batch_inbound_accounttype - infar360sap_mt_s4h_r360_batch_inbound_chartofaccount - infar360sap_mt_s4h_r360_batch_inbound_compcode - infar360sap_mt_s4h_r360_batch_inbound_currency - infar360sap_mt_s4h_r360_batch_inbound_fieldstatus - infar360sap_mt_s4h_r360_batch_inbound_functionalarea - infar360sap_mt_s4h_r360_batch_inbound_language - infar360sap_mt_s4h_r360_batch_inbound_reconciliationaccounttype - infar360sap_mt_s4h_r360_batch_inbound_sortkey - infar360sap_mt_s4h_r360_batch_inbound_taxcode - infar360sap_mt_s4h_r360_batch_inbound_taxjurisdiction	- infar360sap_m_s4h_r360_batch_inbound_accountgroup - infar360sap_m_s4h_r360_batch_inbound_accounttype - infar360sap_m_s4h_r360_batch_inbound_chartofaccount - infar360sap_m_s4h_r360_batch_inbound_compcode - infar360sap_m_s4h_r360_batch_inbound_currency - infar360sap_m_s4h_r360_batch_inbound_fieldstatus - infar360sap_m_s4h_r360_batch_inbound_functionalarea - infar360sap_m_s4h_r360_batch_inbound_language - infar360sap_m_s4h_r360_batch_inbound_reconciliationaccounttype - infar360sap_m_s4h_r360_batch_inbound_sortkey - infar360sap_m_s4h_r360_batch_inbound_taxcode - infar360sap_m_s4h_r360_batch_inbound_taxjurisdiction	Imports data from the SAP S/4HANA to the Reference 360 GL Account lookup reference data set.
infar360sap_tf_s4h_r360_glaccount_batch_inbound	- infar360sap_mt_s4h_r360_glacc_batch_inbound_coadescription - infar360sap_mt_s4h_r360_glacc_batch_inbound_coamaster - infar360sap_mt_s4h_r360_glacc_batch_inbound_compcodemaster	- infar360sap_m_s4h_r360_glacc_batch_inbound_coadescription - infar360sap_m_s4h_r360_glacc_batch_inbound_coamaster - infar360sap_m_s4h_r360_glacc_batch_inbound_compcodemaster	Imports data from the SAP S/4HANA to the Reference 360 COA Description GL Account master reference data set.
infar360sap_tf_s4h_r360_glaccount_batch_outbound	- infar360sap_mt_s4h_r360_batch_outbound_glcoadesc - infar360sap_mt_s4h_r360_batch_outbound_glcoamaster	- infar360sap_m_s4h_r360_batch_outbound_glcoadesc - infar360sap_m_s4h_r360_batch_outbound_glcoamaster	Exports data from the Reference 360 GL Account master reference data set to the SAP S/4HANA.

Cloud Data Integration assets of Cost Center for SAP ECC

To import the SAP ECC Cost Center records to Reference 360, use the predefined Cloud Data Integration assets and create batch jobs.

Each job uses a taskflow to run a mapping task. Each mapping task includes a mapping that maps the SAP ECC finance master data with the SAP ECC Reference 360 Cost Center reference data set code list. The SAP Financial Management extension package includes the predefined Cloud Data Integration assets.

The following table describes the taskflows and lists the related mapping tasks and mappings:

Taskflow	Mapping Task	Mapping	Description
infac360sap_tf_ecc_lkp_r360_inbound	- infar360sap_mt_s4h_r360_batch_inbound_businessarea - infar360sap_mt_s4h_r360_batch_inbound_controllingarea - infar360sap_mt_s4h_r360_batch_inbound_costcentertype - infar360sap_mt_s4h_r360_batch_inbound_country - infar360sap_mt_s4h_r360_batch_inbound_profitcenter	- infar360sap_m_s4h_r360_batch_inbound_businessarea - infar360sap_m_s4h_r360_batch_inbound_controllingarea - infar360sap_m_s4h_r360_batch_inbound_costcentertype - infar360sap_m_s4h_r360_batch_inbound_country - infar360sap_m_s4h_r360_batch_inbound_profitcenter	Imports data from the SAP ECC to the Reference 360 Cost Center lookup reference data set.
infar360sap_tf_ecc_r360_costcenter_batch_inbound_costcenter	- infar360sap_mt_ecc_r360_cc_batch_inbound_costcenter - infar360sap_m_ecc_r360_cc_batch_inbound_costcentertext	- infar360sap_m_ecc_r360_cc_batch_inbound_costcenter - infar360sap_m_ecc_r360_cc_batch_inbound_costcentertext	Imports data from the SAP ECC to the Reference 360 Cost Center master reference data set.
infar360sap_tf_ecc_r360_standardcchierarchy_batch_inbound	- infar360sap_mt_ecc_r360_batch_inbound_standardcchierarchyroot - infar360sap_mt_ecc_r360_batch_inbound_standardcchierarchynode - infar360sap_mt_ecc_r360_batch_inbound_standardcchierarchyleaf	- infar360sap_m_ecc_r360_batch_inbound_standardcchierarchyroot - infar360sap_m_ecc_r360_batch_inbound_standardcchierarchynode - infar360sap_m_ecc_r360_batch_inbound_standardcchierarchyleaf	Imports data from the SAP ECC to the Reference 360 Standard Cost Center Hierarchy Cost Center master reference data set.

Cloud Data Integration assets of Cost Center for SAP S/4HANA

To import the SAP S/4HANA Cost Center records to Reference 360 and export the Reference 360 records to SAP S/4HANA, use the predefined Cloud Data Integration assets and create batch jobs.

Each job uses a taskflow to run a mapping task. Each mapping task includes a mapping that maps the SAP S/4HANA finance master data with the SAP S/4HANA Reference 360 Cost Center reference data set code list. The SAP Financial Management extension package includes the predefined Cloud Data Integration assets.

The following table describes the taskflows and lists the related mapping tasks and mappings:

Taskflow	Mapping Task	Mapping	Description
infac360sap_tf_s4h_lkp_r360_inbound	- infar360sap_mt_s4h_r360_batch_inbound_businessarea - infar360sap_mt_s4h_r360_batch_inbound_controllingarea - infar360sap_mt_s4h_r360_batch_inbound_costcentertype - infar360sap_mt_s4h_r360_batch_inbound_country - infar360sap_mt_s4h_r360_batch_inbound_profitcenter	- infar360sap_m_s4h_r360_batch_inbound_businessarea - infar360sap_m_s4h_r360_batch_inbound_controllingarea - infar360sap_m_s4h_r360_batch_inbound_costcentertype - infar360sap_m_s4h_r360_batch_inbound_country - infar360sap_m_s4h_r360_batch_inbound_profitcenter	Imports data from the SAP S/4HANA to the Reference 360 Cost Center lookup reference data set.
infar360sap_tf_s4h_r360_costcenter_batch_inbound	- infar360sap_mt_s4h_r360_cc_batch_inbound_costcenter - infar360sap_mt_s4h_r360_cc_batch_inbound_costcentertext	- infar360sap_m_s4h_r360_cc_batch_inbound_costcenter - infar360sap_m_s4h_r360_cc_batch_inbound_costcentertext	Imports data from the SAP S/4HANA to the Reference 360 Cost Center master reference data set.
infar360sap_tf_s4h_r360_batch_inbound_standardcchierarchy	- infar360sap_mt_s4h_r360_batch_inbound_standardcchierarchyroot - infar360sap_mt_s4h_r360_batch_inbound_standardcchierarchynode - infar360sap_mt_s4h_r360_batch_inbound_standardcchierarchyleaf	- infar360sap_m_s4h_r360_batch_inbound_standardcchierarchyroot - infar360sap_m_s4h_r360_batch_inbound_standardcchierarchynode - infar360sap_m_s4h_r360_batch_inbound_standardcchierarchyleaf	Imports data from the SAP S/4HANA to the Reference 360 Standard Cost Center Hierarchy Cost Center master reference data set.
infar360sap_tf_s4h_r360_costcenter_batch_outbound	- infar360sap_mt_s4h_r360_batch_outbound_costcenter - infar360sap_mt_s4h_r360_batch_outbound_costcentertext - infar360sap_mt_s4h_r360_batch_outbound_companycode	- infar360sap_m_s4h_r360_batch_outbound_costcenter - infar360sap_m_s4h_r360_batch_outbound_costcentertext - infar360sap_m_s4h_r360_batch_outbound_companycode	Exports data from the Reference 360 Cost Center master reference data set to the SAP S/4HANA.
infar360sap_tf_s4h_r360_batch_outbound_standardcchierarchy	- infar360sap_mt_s4h_r360_batch_outbound_standardcchierarchyroot - infar360sap_mt_s4h_r360_batch_outbound_standardcchierarchynode - infar360sap_mt_s4h_r360_batch_outbound_standardcchierarchyleaf	- infar360sap_m_s4h_r360_batch_outbound_standardcchierarchyroot - infar360sap_m_s4h_r360_batch_outbound_standardcchierarchynode - infar360sap_m_s4h_r360_batch_outbound_standardcchierarchyleaf	Exports data from the Reference 360 Standard Cost Center Hierarchy Cost Center master reference data set to the SAP S/4HANA.

Field mapping

The Cloud Data Integration mappings map the fields of Reference 360 and SAP. Based on the inbound mappings, you can import the SAP data to Reference 360. You can use the outbound mappings to store Reference 360 reference data sets in SAP S/4HANA.

Inbound mapping of GL Account object fields and Reference 360 attributes

The fields from SAP ECC and SAP S/4HANA are mapped to the attributes of the R360: GL COA Description reference data set code list.

R360: Account Group reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Account Type code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Account Group Code	T077S-KTOKS	- Name - Code
Account Group Description	T077S-TXT30	Account Group Description
Account Range	NA	Account Range
Number of G/L account (upper area limit)--Range	T077S-BISNR	Lower Limit
Number of G/L account (lower area limit)--Range	T077S-VONNR	Upper Limit

R360: Account Type reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Account Type code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Account Type	NA	- Name - Code

R360: Chart of Account reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Chart of Account code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Chart of Accounts	T004-KTOPL	- Name - Code
Significant length of the GL account number	T004-SAKLN	Length of GL Account Number
Maintenance language for the chart of accounts	T004-DSPRA	Maintenance Language
Description	T004-KTPLT	COA Description

R360: Company Code reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Company Code code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Company Code	T001-BUKRS	Code
Company Name	T001-BUTXT	Name

R360: Currency reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Currency code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Currency	TCURC-WAERS	- Name - Code
Iso Code	TCURC-ISOCD	Iso Code

R360: Field Status reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of theR360: Field Status code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Field status group	T004F-FSTAG	- Name - Code

R360: GL Company Code Master reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: GL Company Code Master code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
GL Account	SKB1-SAKNR	GL Account
Company Code	SKB1-BUKRS	- Name - Code
Field Status Group	SKB1-FSTAG	Field Status Group
Reconciliation Account Indicator/type	SKB1-MITKZ	Reconciliation Account Indicator
Tax Code/ category	SKB1-MWSKZ	Tax Code
Account Currency	SKB1-WAERS	Account Currency
Post Automatically Only	SKB1-XINTB	Post Automatically Only
Open Item Management	SKB1-XOPVW	Open Item Management
Indicator: Reconcil.acct ready for input at time of posting?	SKB1-XMITK	Indicator
Posting Without Tax Allowed	SKB1-XMITK	Posting Without Tax Allowed
Balance in Local Currency Only	SKB1-XSALH	Balance In Local Currency Only
Sort Key	SKB1-ZUAWA	Sort Key
Mark for Delete	SKB1-XLOEB	Mark For Delete
Blocked for posting	SKB1-XSPEB	Blocked For Posting
Cost Element Category	NA	Cost Element Category

R360: GL COA Master reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: GL COA Master code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Account Group	SKA1-KTOKS	Account Group
Account type	SKA1-GLACCOUNT_TYPE	Account Type
Blocked for creation	SKA1-XSPEA	Blocked for Creation

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Chart of Accounts	SKA1-KTOPL	Chart of Accounts
Functional Area	SKA1-FUNC_AREA	Functional Area
GL Account	SKA1-SAKNR	- Name - Code
Search term for match code search	SKA1-MCOD1	Search Term
Blocked for posting	SKA1-XSPEB	Blocked for Posting
Blocked for planning	SKA1-XSPEP	Blocked for Planning
Indicator: Account Is a Balance Sheet Account?	SKA1-XBILK	Indicator
P&L Statement Account Type	SKA1-GVTYP	PL Statement Account Type

R360: Functional Area reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Functional Area code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Functional Area	TFKB-FKBER	- Name - Code

R360: GL COA Description reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: GL COA Description code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
GL Account	SKAT-SAKNR	GL Account
Language Key	SKAT-SPRAS	- Name - Code
Long Description	SKAT-TXT50	Long Description
Short Description	SKAT-TXT20	Short Description

R360: Language reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Language code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Language Key	T002-SPRAS	- Name - Code

R360: Reconciliation Account Type reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Recon. Account Type code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Recon Account Type	NA	- Name - Code

R360: Sort Key reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Sort Key code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Name	TZUN-NAME1	Name
Sort Key	TZUN-ZUAWA	Code

R360: Tax Code reference data set for GL Account

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Tax Code code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Tax Code	NA	- Name - Code

Inbound mapping of Cost Center object fields and Reference 360 attributes

The fields from the SAP ECC and SAP S/4HANA Cost Center object are mapped to the Reference 360 attributes.

R360: Business Area reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Business Area code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Business Area	TGSB-GSBER	- Name - Code

R360: Controlling Area reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Controlling Area code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Name	TKA01-BEZEI	Name
CO Area	TKA01-KOKRS	Code

R360: Cost Center reference data set

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Cost Center code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Business Area	CSKS-GSBER	Business Area
City	CSKS-ORT01	City
Company Code	CSKS-BUKRS	Company Code
Controlling Area	CSKS-KOKRS	Controlling Area
Cost Center	CSKS-KOSTL	Code
Cost Center Category	CSKS-KOSAR	Cost Center Category
Country Key	CSKS-LAND1	Country Key
Created On	CSKS-ERSDA	Created On
Currency Key	CSKS-WAERS	Currency Key
Department	CSKS-ABTEI	Department
Description	CSKS-LTEXT	Description
Functional Area	CSKS-FUNC_AREA	Functional Area
House number and street	CSKS-STRAS	House Number and Street

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Language Key	CSKS-SPRAS	Language Key
Lock Indicator for Actual Primary Postings	CSKS-BKZKP	Lock Indicator For Actual Primary Postings
Lock Indicator for Actual Revenue Postings	CSKS-BKZER	Lock Indicator For Actual Revenue Postings
Lock Indicator for Actual Secondary Costs	CSKS-BKZKS	Lock Indicator For Actual Secondary Costs
Lock Indicator for Commitment Update	CSKS-BKZOB	Lock Indicator
Lock Indicator for Planning Revenues	CSKS-PKZER	Lock Indicator For Planning Revenues
Lock Indicator for Plan Primary Costs	CSKS-PKZKP	Lock Indicator For Plan Primary Costs
Lock Indicator for Plan Secondary Costs	CSKS-PKZKS	Lock Indicator For Plan Secondary Costs
Name	CSKS-NAME1	Name
Person responsible	CSKS-VERAK	Person Responsible
PO Box	CSKS-PFACH	PO Box
P.O. Box Postal Code	CSKS-PSTL2	PO Box Postal Code
Postal Code	CSKS-PSTLZ	Postal Code
Profit Center	CSKS-PRCTR	Profit Center
Standard Hierarchy Area	CSKS-KHINR	Standard Hierarchy Area
Tax Jurisdiction	CSKS-TXJCD	Tax Jurisdiction
User Responsible	CSKS-VERAK_USER	User Responsible
Valid From Date	CSKS-DATAB	Valid From Date
Valid To Date	CSKS-DATBI	Valid To Date

R360: Company Code reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Company Code code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Company Code	T001-BUKRS	- Name - Code

R360: Cost Center Category reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Cost Center Category code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Category Code	NA	Category Code
Category desc	NA	Category Description
Parent Category code	NA	Parent Category Code

R360: Cost Center Text reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Cost Center Text code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Language Key	CSKT-SPRAS	- Name - Code
Description	CSKT-LTEXT	Description
General Name	CSKT-KTEXT	General Name
Valid To Date	CSKT-DATBI	Valid To Date
Controlling Area	CSKT-KOKRS	Controlling Area
Cost Center	CSKT-KOSTL	Cost Center

R360: Currency reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Currency code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Currency	TCURC-WAERS	- Name - Code

R360: Country reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Country code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Country	T005-LAND1	- Name - Code

R360: Functional Area reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Functional Area code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Functional Area	TFKB-FKBER	- Name - Code

R360: Language reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Language code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Language Key	T002-SPRAS	- Name - Code

R360: Profit Center reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Profit Center code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Profit Center	CEPC-PRCTR	- Name - Code

R360: Tax Jurisdiction reference data set for Cost Center

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Tax Jurisdiction code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Jurisdiction for Tax Calculation - Tax Jurisdiction Code	TTXJ-TXJCD	- Code - Name

R360: Standard Cost Center Hierarchy reference data set

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Standard Cost Center Hierarchy root code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Subset Subclass (Ultimate Parent)	SETNODE.SUBSETSUBCLASS + SETNODE.SUBCLASS (ROOT)	- Code - Name
Description	SETHEADERT.DESC	Description

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Standard Cost Center Hierarchy node code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Subset ID (Nodes)	SETNODE.SUBCLASS + SETNODE.SUBSETNAME (NODE)	- Code - Name
Set Name (Parent Hierarchy Area Code)	SETNODE.SUBCLASS + SETNODE.SETNAME	Parent ID
Sub Class (Controlling Area)	SETHEADER.SUBCLASS	Controlling Area
Description	SETHEADERT.DESC	Description

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Standard Cost Center Hierarchy leaf code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Valid From (Leaf)	SETLEAF.SUBCLASS + SETLEAF.VALFROM (LEAF)	- Code - Name
Set Name (Parent Hierarchy Area Code)	SETLEAF.SUBCLASS + SETLEAF.SETNAME	Parent ID
Sub Class (Controlling Area)	SETHEADER.SUBCLASS	Controlling Area

Inbound mapping of Profit Center object fields and Reference 360 attributes

The fields from the SAP ECC and SAP S/4HANA Profit Center object are mapped to the Reference 360 attributes.

R360: Profit Center reference data set

The following table lists the SAP ECC and SAP S/4HANA fields that are mapped to the attributes of the R360: Profit Center code lists:

SAP Field Name	SAP Table Name	Reference 360 Attribute Name
Profit Center	CEPC.PRCTR	- Code - Name
Controlling Area	CEPC.KOKRS	Controlling Area
Company Code	CEPC.BUKRS	Company Code
Valid To	CEPC.DATBI	Valid To

Outbound mapping of Reference 360 attributes and GL Account object fields

The attributes of the Reference 360 GL Account reference data set code lists are mapped to the SAP S/4HANA fields.

R360: GL COA Master reference data set for GL Account

The attributes of the R360: GL COA Master reference data set are mapped to the SAP S/4HANA fields of the ZINFA360_SKA1 table.

The following table lists the attributes of the R360: GL COA Master reference data set that are mapped to the SAP S/4HANA fields of the ZINFA360_SKA1 table:

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Code	GLAccountNo	CHAR	10
Chart of Accounts	ChartOfAccounts	CHAR	4
Account Type	AccountGroup	CHAR	4
Account Group	FunctionalArea	CHAR	16
Functional Area	AccountType	CHAR	10
Search Term	SearchTerm	CHAR	25
Blocked For Creation	AcctBlckCreate	CHAR	1
Blocked For Posting	AcctBlckPstng	CHAR	1
Blocked For Planning	AcctBlckPlng	CHAR	1

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Balance Sheet Account Indicator	BalSheetAcctInd	CHAR	1
Profit and Loss Statement Account Type	P&LStmtAcctTyp	CHAR	4

R360: GL COA Description reference data set for GL Account

The attributes of the R360: GL COA Description reference data set are mapped to the SAP S/4HANA fields of the ZINFA360_SKAT SAP table.

The following table lists the attributes of the R360: GL COA Description reference data set that are mapped to the SAP S/4HANA fields of the ZINFA360_SKAT SAP table:

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Code	LANGUAGE KEY	LANG	1
GL Account	GLACCOUNT	CHAR	10
Long Description	LONGDESCRIPTION	CHAR	50
Short Description	SHORTDESCRIPTION	CHAR	20

R360: GL Company Code Master reference data set for GL Account

The attributes of the R360: GL Company Code Master reference data set are mapped to the SAP S/4HANA fields of the ZINFA360_SKB1 SAP table.

The following table lists the attributes of the R360: GL Company Code Master reference data set that are mapped to the SAP S/4HANA fields of the ZINFA360_SKB1 SAP table:

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
GL Account	FIELDSTATUSGROUP	CHAR	10
Code	COMPANYCODE	CHAR	4
Field Status Group	FIELDSTATUSGROUP	CHAR	4
Reconciliation Account Indicator	RECONCACCTINDTYP	CHAR	1
Tax Code	TAXCD	CHAR	2
Account Currency	ACCTCURR	CUKY	5

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Post Automatically Only	POSTAUTONLY	CHAR	1
Open Item Management	OPENITEMMGT	CHAR	1
Indicator	RECONCACCTSTSIND	CHAR	1
Posting Without Tax Allowed	PSTNGWTHTTAXALLD	CHAR	1
Balance In Local Currency Only	BALINLCLCURRONLY	CHAR	1
Sort Key	SORTKEY	CHAR	3
Mark For Delete	MARKFORDEL	CHAR	1
Blocked For Posting	ACCTBLCKDFORPOSTIND	CHAR	1

Outbound mapping of Reference 360 attributes and Cost Center object fields

The attributes of the Reference 360 Cost Center reference data sets are mapped to the SAP S/4HANA fields.

R360: Cost Center reference data set for Cost Center

The attributes of the R360: Cost Center reference data set are mapped to the SAP S/4HANA fields of the ZINFA360_CSKS table.

The following table lists the attributes of the R360: Cost Center reference data set that are mapped to the SAP S/4HANA fields of the ZINFA360_CSKS table:

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Business Area	BUSINESSAREA	CHAR	4
City	CITY	CHAR	10
Company Code	COMPANYCODE	CHAR	4
Controlling Area	CONTROLLINGAREA	CHAR	4
Country Key	COUNTRYKEY	CHAR	10
Created On	CREATEDON	STRING	256
Currency Key	CURRENCYKEY	CUKY	5
Cost Center Category	COSTCENTERCATEGORY	CHAR	1

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Code	COSTCENTER	CHAR	10
Department	DEPARTMENT	CHAR	12
Description	DESCRIPTION	CHAR	16
Functional Area	FUNCTIONALAREA	CHAR	16
House Number and Street	HOUSENO&STRT	CHAR	35
Language Key	LANGUAGEKEY	LANG	1
Lock Indicator For Actual Primary Postings	LOCKINDFORACTPRMRYPSTNG	CHAR	1
Lock Indicator For Actual Secondary Postings	LOCKINDFORACTSCNDPSTNGS	CHAR	1
Lock Indicator for Commitment Update	LOCKINDFORCOMMUPD	CHAR	1
Lock Indicator For Planning Revenues	LOCKINDFORPLANGREVE	CHAR	1
Lock Indicator For Plan Secondary Costs	LOCKINDFORPLANSECCOSTS	CHAR	1
Lock Indicator For Plan Primary Costs	LOCKINDFORPRIMCSTS	CHAR	1
Lock Indicator For Actual Revenue Postings	LOCKINDICATORFORACTUALREVENUEPOSTINGS	CHAR	1
Name	NAME	CHAR	35
Person Responsible	PERSONRESPONSIBLE	CHAR	20
PO Box	POBOX	CHAR	10
PO Box Postal Code	POBOXPSTLCD	CHAR	10
Postal Code	POSTALCODE	CHAR	10
Profit Center	PROFITCENTER	CHAR	10
Standard Hierarchy Area	STANDARDHIERARCHYAREA	CHAR	12
Tax Jurisdiction	TAXJURISDICTION	CHAR	15
User Responsible	USERRESPONSIBLE	CHAR	12
Valid From Date	VALIDFROMDATE	STRING	256
Valid To Date	VALIDTODATE	STRING	256

R360: Cost Center Text reference data set for Cost Center

The attributes of the R360: Cost Center Text reference data set are mapped to the SAP S/4HANA fields of the ZINFA360_CSKT table.

The following table lists the attributes of the R360: Cost Center Text reference data set that are mapped to the SAP S/4HANA fields of the ZINFA360_CSKT table:

Reference 360 Attribute Name	SAP Field Name	SAP Data Type	Length
Code	LANGUAGEKEY	LANG	1
Controlling Area	CONTROLLINGAREA	CHAR	4
Cost Center	COSTCENTER	CHAR	10
Description	DESCRIPTION	CHAR	20
General Name	GENERALNAME	CHAR	1
Valid To Date	VALIDTODATE	CHAR	10

Data quality assets

You can associate data quality rules with reference data set attribute values. Use the basic and advanced rule associations to cleanse, standardize, and validate the attribute values. When you import the source records, the rule associations validate and transform the records in Reference 360.

The following table lists the rule associations for the reference data set attributes:

Rule Association Name	Rule Association Type	Asset Type	Description
Acct_lower_limit	Advanced	Cleanse	Replaces input values with dictionary values from the Chart of Account attribute.
Acct_upper_limit	Advanced	Cleanse	Replaces input values with dictionary values from the Account Group attribute.
GL Account Long Text	Advanced	Rule Specification	Validates whether the length of a General Ledger (GL) account number is less than or equal to the specified length.
Mpt_Range_Individual	Advanced	Mapplet	Concatenates the Account Group and Chart of Account attributes and returns the upper and lower limit of the concatenated value.

Rule Association Name	Rule Association Type	Asset Type	Description
Range_Dictionary	Advanced	Dictionary	Includes upper limit and lower limit of attributes.
Range_Individual	Advanced	Rule Specification	Validates whether a GL account number is between the upper and the lower limits of attributes.

You can configure the dictionary to concatenate the Chart of Account and Account Group columns.

For more information about configuring a dictionary, see "Configuring a dictionary" on page 51.

Parameter files

A parameter file contains a list of user-defined parameters and their associated values. In the parameter file, to define values that you want to update without editing the mapping task. The parameter values are applied when the task runs.

The SAP Financial Management extension package contains the infar360sap_Inbound parameter file in the Secure Agent files directory for the Data Integration mappings.

For more information about importing parameter files, see "Importing parameter files" on page 53.

CHAPTER 4

Deploying SAP Financial Management extension

Before you deploy the SAP Financial Management extension, ensure that you have the license for the Integration Components for Business 360 and Reference Data Management.

To deploy SAP Financial Management extension on MDM - Reference 360, you must configure SAP ECC and SAP S/4HANA, download the extension package, import assets into MDM - Reference 360, and update the predefined connections.

Downloading and extracting the SAP Financial Management extension package

To get the link to download the SAP Financial Management extension package, contact Informatica Global Customer Support.

After you download the SAP Financial Management extension package, extract the package on your machine. The package contains the reference data sets and hierarchies for MDM - Reference 360.

The extracted package contains the following files and folders:

File or Folder Name	Description
`1_MDM_Assets.zip`	Contains the following assets: - Data quality rule associations to validate SAP ECC and SAP S/4HANA records. - Predefined custom pages. - Source system for SAP ECC and SAP S/4HANA.
`2_DI_Assets.zip`	Contains Cloud Data Integration assets to import SAP ECC and SAP S/4HANA records to MDM - Reference 360 and export MDM - Reference 360 records to SAP S/4HANA records.
`Reference Data`	Contains the following files: - JSON files to create reference data sets and code lists. - CSV files that store code lists and values related to SAP.
`Secure Agent Files`	Contains the parameter values for the Cloud Data Integration mappings.

Creating Finance domain in Reference 360

Configure the system reference data to add Finance domain value. Use the Finance domain to define the reference data assets.

1. In Reference 360, from the **Explore** panel, select **System Reference Data** > **Domain**, and click **Open**.

   The **Domain** page appears.
2. Click the **Add** icon.

   A blank row appears.
3. To add a value, click the new row and perform the following actions:
   a. In the **Name** field, enter `Finance`.
   b. In the **Key** field, enter `Finance`.

      You can't change the key for the values after you save the values.
4. Click the **Save** icon.

Creating custom tables in SAP

Create custom tables in SAP to hold the outbound MDM - Reference 360 data in SAP S/4HANA. After you create custom tables in SAP, you can use the Cloud Data Integration assets to load MDM - Reference 360 data to SAP S/4HANA.

1. Log in to SAP.
2. To use the ABAP dictionary, enter the transaction code value as `SE11` and press **Enter**.

   The **ABAP Dictionary: Initial Screen** page appears.
3. Enter the database table name you want to create.

   Note: The table name must start with `Y` or `Z` only.
4. Click **Create**.

   The **Dictionary: Change Table** page appears.
5. Enter a short description for the transparent table.
6. To create an application table that contains master data or transaction data, enter the delivery class value as `A`.
7. From the **Fields** tab, enter field name, data type, and length of the fields that you want to add to the table.

   For more information about the field attributes, see "Field mapping" on page 32.
8. Specify the primary key for each table. To set a field as a primary key for the table, enable the **Key** checkbox.

   The primary key is the Code attribute of the MDM - Reference 360 codelist.
9. Click **Save**.
10. From the menu bar, click **More** > **Extras** > **Enhancement Category**.

    The **Maintain Enhancement Category for <database table name>** dialog box appears.
11. Select **Can Be Enhanced (Deep)** enhancement category.
12. Click **Copy**.
13. From the menu bar, click the **Activate** icon.

Assigning user roles

To provide privileges for Reference 360, assign user roles to users.

The SAP Financial Management extension user roles control read and write privileges to create, update, import, and export reference data sets.

For more information, see *Reference 360 roles*.

Configuring the SAP Financial Management extension assets

After you extract the extension package, import the SAP Financial Management extension assets to MDM - Reference 360.

Importing the Business 360 application assets

Import the predefined Cloud Data Quality rule specifications, dictionaries, and mapplets related to the SAP Financial Management extension to validate SAP ECC and SAP S/4HANA records. You can also import the predefined custom pages, source systems, and job assets to synchronize SAP ECC and SAP S/4HANA records with Reference 360 in batches.

1. In Business 360 Console, click **Explore** > **Import**.
2. Navigate to the following file:

   `<Extracted extension package>/1_MDM_Assets.zip`
3. Click **Open**.

   The **Import Assets** page lists the assets in the file.
4. Ensure that all the assets are selected, and click **Import**.
5. On the **My Import/Export Logs** page, verify that the import job is successful.

Importing reference data assets and code lists

Import the reference data sets and code lists in your environment through API calls using the reference data JSON files.

To import to the SAP Financial Management extension assets, use the JSON files in the following folder: `<Extracted extension package>/Reference Data/Create/Master Entities`

Run the Postman API in the following order:

1. R360 GL COA Master.json
2. R360: GL COA Description.json
3. R360 GL Company Code Master.json
4. R360 Cost Center.json
5. R360 Cost Center Text.json
6. R360 Standard Cost Center Hierarchy.json

For more information about importing reference data assets, see Import version 2.

Importing Cloud Data Integration assets to integrate with SAP

Import the assets required to import data from SAP ECC and SAP S/4HANA.

▶ Import the Cloud Data Integration assets related to SAP.

a. In Data Integration, click **Explore** > **Import**.

b. Navigate to the following file:

```
<Extracted extension package>/2_DI_Assets.zip
```

c. Click **Open**.

The **Import Assets** page lists the assets in the file.

d. Ensure that all the assets are selected, and then select **Publish Taskflow(s) after import**.

e. Click **Import**.

f. On the **My Import/Export Logs** page, verify that the import job is successful.

Configuring a dictionary

Configure the Range_Dictionary dictionary to concatenate the Chart of Account and Account Group columns. Add the reference data in the dictionary manually.

1. In Data Quality, click **Explore** > **Reference 360** > **SAP Extension**.
2. Select **Range_Dictionary**.
3. Click the **Configuration** tab.

   A design workspace for the dictionary appears.
4. Add the dictionary data. Column 1 uses Chart of Account attributes and column 2 uses Account Group attributes.

   For more information about adding data to a dictionary, see Adding data to a dictionary.
5. Save the dictionary.

Adding code values to the reference data assets

You can import the code values to the reference data assets by using Reference 360. Add the reference data code values to the R360: Account Type and R360: Reconciliation Account reference data assets.

1. To access the Administrator service, assign the **Reference 360 Business Steward** role to the user.

   a. In Administrator, click **Users**.

   b. Select the user name to assign the role.

   c. In the **Assigned User Groups and Roles** section, enable the Reference 360 Business Steward role.

   d. Click **Save**.
2. To import data into Reference 360, upload the CSV file with code values.

   a. In Reference 360, from the **Explore** page, select the reference data to which you want to add the code values.

   b. Click the **Import Values** icon.

   The **Upload File** page of the **Import Values** wizard appears.

   c. To select a file to upload, drag a CSV source file, or click **Browse** and select the source file.

The first 10 rows of records appear in the preview section.
The following table lists the code values and the location:

Reference Data Asset	Code Value File Location
ECC Account Type	`<Extracted extension package>/Reference Data/Load/ECCAccountType`
ECC Reconciliation Account	`<Extracted extension package>/Reference Data/Load/ECCReconciliationAccount`
ECC Tax Code	`<Extracted extension package>/Reference Data/Load/ECCTaxCode`
S4H Account Type	`<Extracted extension package>/Reference Data/Load/S4HAccountType`
S4H Reconciliation Account	`<Extracted extension package>/Reference Data/Load/S4HReconciliationAccount`
S4H Tax Code	`<Extracted extension package>/Reference Data/Load/S4HTaxCode`

d. Click **Next**.

The **Map Fields** page appears.

3. After you select the file to import, the import process automatically maps the possible columns to the suitable target fields. You can either use the system suggested mapping or modify the mapping as required.
   a. On the **Map Fields** page of the **Import Values** wizard, verify the system suggested mapping of fields.
   b. To manually map any field, perform one of the following tasks:
      - Drag a source column to a target field.
      - Select a source column and a corresponding target field, and click **Map Selected**.

      The import process maps the field accordingly.
   c. Verify the mapping of all fields and ensure that all the required fields are mapped.
   d. Click **Next**.

      The **Preview and Import File** page appears.
4. After you map the fields, use the preview section to review and verify the mapping, and then import the data.
   a. On the **Preview and Import File** page of the **Import Values** wizard, verify the mapping.

      If the preview does not return desired results, you can go back to the **Map Fields** page to map the fields again.
   b. To import the file, click **Import**.

      The import process starts. You get a notification after the import process is complete.

   Note: For more information about importing code values, see Import data.

Adding a Secure Agent to the Secure Agent group

You can add a Secure Agent to the predefined Secure Agent group.

1. In Administrator, click **Runtime Environments**.
2. Expand the **Actions** menu for the `infa_extension_runtime` Secure Agent group, and select **Add or Remove Secure Agents**.
3. In the **Available Agents** list, select the Secure Agent that you want to add to the group, and click **Select**.
4. Expand the **Actions** menu for the `infa_extension_runtime` Secure Agent group, and select **Enable or Disable Services, Connectors**.
5. From the **Services** tab, select the services to enable for the Secure Agent group.
6. From the **Connectors** tab, select the connectors to enable for the Secure Agent group.
7. Click **Save**.

Importing parameter files

To import parameter files, save the parameter files in the Secure Agent Installation directory.

1. Copy all the parameter files from the following directory:

   `<Extracted extension package>\Secure Agent Files\Parameter Files`
2. Copy the parameter files into the following directory:

   `<Secure Agent Installation Directory>\apps\Data_Integration_Server\data\userparameters`

   Optionally, if you want to use a configured path for the target location, see Parameter file location.

Configuring the flat file connection

After you import the SAP Financial Management extension assets, configure the flat file connection to access the flat files from the Secure Agent.

1. In Administrator, click **Connections**.
2. Click `infar360sap_conn_flatfile`.
3. Configure the directory to store the flat file.

   Default is `C:\ReferenceData`.

Configuring the SAP connection

You can use SAP Table connection to integrate SAP ECC and SAP S/4HANA with MDM - Reference 360 in batches.

1. To configure a SAP Table connection, perform the following steps:
   a. Verify if the required licences are available for SAP Table Connector to create an SAP table connection and process SAP table data.
   b. Download and install the Microsoft Visual C++ Redistributable package on the Windows machine that hosts the Secure Agent.
   c. Download and configure the SAP libraries on the Secure Agent machine to read from and write to SAP tables.
   d. To enable the Secure Agent to connect to the SAP system as a Remote Function Call (RFC) client, create and configure the `sapnwrfc.ini` file on the machines that host the Secure Agent.

e. Configure the SAP user account to process SAP table data.

f. Install the SAP Table connection transport files on the SAP machines that you want to access.

g. To connect to SAP through HTTPS and read SAP table sources, configure the machine that hosts the Secure Agent and the machine that hosts the SAP system.

For more information about the SAP Table Connector, see SAP Table Connector administration.

2. Configure the following connections:

- `infar360sap_conn_table_ecc`
- `infar360sap_conn_table_s4h`

The following table describes the SAP Table connection properties:

Connection property	Description
Runtime Environment	Required. Runtime environment that contains the Secure Agent that you want to use to access SAP tables.
Username	Required. SAP user name with the appropriate user authorization.
Password	Required. SAP password.
Client	Required. SAP client number.
Language	Language code that corresponds to the SAP language.
Saprfc.ini Path	Required. Local directory to the `sapnwrfc.ini` file. To write to SAP tables, use the following directory: `<Informatica Secure Agent installation directory>/main/bin/rdtm`
Destination	Required. DEST entry that you specified in the `sapnwrfc.ini` file for the SAP application server. Destination is case sensitive. **Note:** Use all uppercase letters for the destination.
Port Range	HTTP port range. The SAP Table connection uses the specified port numbers to connect to SAP tables using the HTTP protocol. Ensure that you specify valid numbers to prevent connection errors. Default: 10000-65535. Enter a range in the default range, for example, 10000-20000. When a range is outside the default range, the connection uses the default range.
Test Streaming	Tests the connection. When selected, tests the connection using both RFC and HTTP protocol. When not selected, tests connection using HTTP protocol.
Https Connection	When selected, connects to SAP through HTTPS protocol. To successfully connect to SAP through HTTPS, verify that an administrator has configured the machines that host the Secure Agent and the SAP system.
Keystore Location	The absolute path to the JKS keystore file.

Connection property	Description
Keystore Password	The destination password specified for the .JKS file.
Private Key Password	The export password specified for the .P12 file.

3. Test the connections, and ensure that the connections are successful.

   For more information about the SAP Connector, see SAP IDocs and RFCs/BAPI Connector administration.

4. If the SAP instance and the Secure Agent are installed in the same Virtual Private Cloud (VPC) network, perform the following steps:

   a. Configure the Secure Agent host to use the private IP address to access the SAP instance.

      1. Open the following file on the Secure Agent:
         - On Windows. `\Windows\System32\drivers\etc\hosts`
         - On Linux. `/etc/hosts`
      2. Add an entry for the SAP instance in the following format:
         `<SAP Hostname> <Private IP address of SAP Host>`
      3. Repeat steps 1 through 2 for all the SAP instances available in VPC as Secure Agent host.

   b. For communication between SAP instance and Secure Agent, add a custom DTM configuration property to use the private IP address of the Secure Agent host.

      1. In Administrator, click **Runtime Environments**.
      2. Expand the **Actions** menu for the Secure Agent, and select **Edit Secure Agent**.
      3. In the **Custom Configuration Details** section, enter the following details:

Field Name	Value
Services	Data Integration Server
Type	DTM
Name	SapTableReaderNatIpAddress
Value	<Private IP address of Secure Agent host>

      4. Click **Save**.
         The Secure Agent restarts automatically within 10 minutes. To apply the properties immediately, you can restart manually. Ensure that no tasks run to avoid failure of any running task.

   c. Test the connection to verify the connectivity between SAP and the Secure Agent host.

      If the connection test is unsuccessful, disable the firewall to resolve the issue.

Configuring the Customer 360 connection

After you configure the SAP connection, configure the Customer 360 connection.

1. In Administrator, click **Connections**.
2. Click `infar360sap_conn_Finance360`.
3. Test the connection, and ensure that the connection is successful.

CHAPTER 5

Integrating Reference 360 with SAP

You can configure the extension to integrate SAP ECC and SAP S/4HANA with Reference 360 to process financial master data in batches. You can import data from SAP ECC and SAP S/4HANA to Reference 360 and export Reference 360 data to SAP S/4HANA in batches.

After you create import and export jobs for the SAP ECC and SAP S/4HANA assets, run the jobs.

Creating import and export jobs for the SAP ECC and SAP S/4HANA assets

Create an import job to import data from SAP ECC or SAP S/4HANA to MDM - Reference 360. You can create an export job to export reference data from MDM - Reference 360 to SAP S/4HANA.

1. In the Business 360 Console, click **New** > **Jobs** > **Reference Data Import** > **Create**.

   The **Reference Data Import** dialog box appears.
2. Set the display name and internal ID of the job.
3. Set the location as `Customer 360\SAP Extension`.
4. Add the taskflow associated with the job.

   For more information about taskflows, see "Cloud Data Integration assets" on page 27.
5. Save the job.

   For more information about import jobs, see Import reference data.
6. To create a reference data export job, click **New** > **Jobs** > **Reference Data Export** > **Create**.

   The **Reference Data Export** dialog box appears.
7. Repeat steps 2 through 5.

   For more information about export jobs, see Export reference data.

Running the jobs

After you create the import and export jobs, run the import and export jobs.

You can run the following sample import jobs in the listed order:

1. infac360sap_import_ecc_lkp_r360_inbound
2. infac360sap_import_s4h_lkp_r360_inbound
3. infar360sap_import_ecc_r360_glaccount_batch_inbound
4. infar360sap_import_s4h_r360_glaccount_batch_inbound
5. nfar360sap_import_ecc_r360_costcenter_batch_inbound_costcenter
6. infar360sap_import_s4h_r360_costcenter_batch_inbound
7. infar360sap_import_ecc_r360_standardcchierarchy_batch_inbound
8. infar360sap_import_s4h_r360_batch_inbound_standardcchierarchy

For more information about the list of available jobs, see "Cloud Data Integration assets" on page 27.

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