



Data Sheet

Reference 360 SAAS

A Quick Overview

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In MDM, we have many kinds of data - Financial Data, Analytical Data, Reference Data, Business Data, Master Data, and Transactional Data. Where there is data, there is reference data. Reference Data is the data that is used to classify or categorize the other forms of data. Reference data does not change frequently, it changes over time.

Generally, in an organization each team or business unit will maintain the Reference data in their way so there will not be any standard reference data across or at the organization level which could cause standardization or integration problems. Even the governance of that data maintained is at the business unit level which could lead to more data discrepancies in turn leads to inconsistent reporting at the organization level.

This will reduce the operational efficiency as well.

Reference 360 will be used to provide the solution to all the above-mentioned problems.

Implementation Steps:


- 1. Reference data set:** RDS (Reference data set) refers to the logical grouping of references for example all kinds of currencies, address categories, risk types, etc. Here we will create the structure of the reference entity we are about to create For example, for a currency code, we will have only 2 attributes Currency code and Currency name.

Currency

Summary	Definition	Stakeholders	History	
▼ Attributes (3)				
Attribute Name	Type	Required	Reference Data Set	Display Attri
Name	String	✓		
Code	String	✓		
Description	String			
▼ Display Settings				

Display Attributes: *  Name

- For example, the Risk category can have fields like Code, Name, and Risk level as well.

 RISK_Category

Summary **Definition** Stakeholders History

▼ Attributes (4) +


Attribute Name	Type	Required	Reference Data Set	Display Attributes
Name	String	✓		
Code	String	✓		
Description	String			
Risk_Level	String			

▼ Display Settings

Display Attributes: * ? ▼

We can have 2 kinds of RDS:

- **Hierarchical RDS:** It will help you to create a hierarchical data structure. For example, we have a Vehicle as RDS, and it can have associated RDS like Bike, Car, etc.
- **Dependent RDS:** Here one RDS depends on another RDS. The best example would be the State depending on the Country

•  AddressType_O

Summary **Definition** Stakeholders History

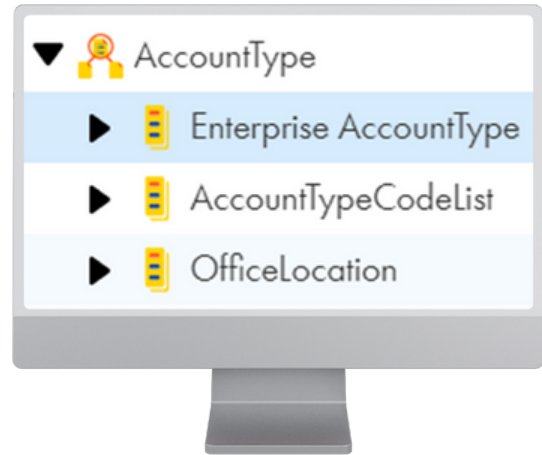
▼ Attributes (4) +

Attribute Name	Type	Required	Reference Data Set	Display Attributes
Name	String	✓		
Code	String	✓		
Description	String			
Address_Category	Reference Data		address_Type	Name

- 2. Code List:** Each RDS can have multiple code lists created, Code lists are containers for code values, and it derives its structure and attributes from the RDS definition.

We have 2 kinds of Code list:

- **Hierarchical code list**
If RDS is Hierarchical, automatically your code list will be Hierarchical.
- **Dependent code list**
If RDS is Dependent, your code list will also be similar.



- 3. CodeValues:** They are unique lookup values maintained by Reference360 SAAS, different CodeValues belonging to a particular reference data type are stored under one particular code list.
- 4. Crosswalks:** Crosswalks are the translation between Codevalues of 2 different Code list configured. It's a mapping between 2 Codevalues.
- For example, CRM uses ISO2 standards for country code reference data. The data will be in the format US (United States of America), IN(India), CA(Canada), etc.
 - Legacy uses ISO3 standards for the country code reference data so the data will be in the format USA (United States of America), IND(India), CAN(Canada), etc.
 - If we observe both sets of values, each of the codes is referring to same country but in a different format and MDM can get data from any of the systems mentioned with their format of lookup data.
 - So, MDM should be able to translate and show the value accordingly. In these kinds of scenarios, we need Crosswalks - which will help to translate the values.
 - Even though Codes are different for each Code list we are getting the same details.

Explore

country

- ▶ System Reference Data
 - ▼ country
 - ▶ Enterprise country
 - ▶ tgt country
 - ▶ src state code
 - ▼ src state code
 - ▶ Enterprise country
 - ▼ tgt country
 - ▶ Enterprise country
 - ▼ Country
 - ▶ Enterprise Country
 - ▶ ASCustomState
 - ▼ ISO3
 - ▶ Enterprise Country
 - ▶ Testcodelist

ISO3 to Enterprise Country

Value Mappings Summary Stakeholders Workflow History

Mappings

ISO3 ▲	Enterprise Country
▶ Afghanistan	Afghanistan
▶ Aland	Aland
▶ Albania	Albania
▶ Algeria	Algeria
▶ American Samoa	American Samoa
▶ Andorra	Andorra
▶ Angola	Angola
▶ Anguilla	Anguilla
▶ Antarctica	Antarctica
▶ Antigua and Barbuda	
▶ Argentina	

ISO3

country

- ▶ System Reference Data
 - ▼ country
 - ▶ Enterprise country
 - ▶ tgt country
 - ▶ src state code
 - ▼ src state code
 - ▶ Enterprise country
 - ▼ tgt country
 - ▶ Enterprise country
 - ▼ Country
 - ▶ Enterprise Country
 - ▶ ASCustomState
 - ▼ ISO3
 - ▶ Enterprise Country

ISO3

Values Crosswalk Summary Definition Stakeholders Workflow

IS... (252) Point in Time:

Name ▲	Code	Description
▶ Afghanistan	AFG	
▶ Aland	AXL	
▶ Albania	ALB	
▶ Algeria	ALG	
▶ American Samoa	AST	
▶ Andorra	AND	
▶ Angola	ANG	
▶ Anguilla	AIG	
▶ Antarctica	AQA	
▶ Antigua and Barbuda	AG	

ISO2

- ▶ System Reference Data
- ▼ country
 - ▶ Enterprise country
 - ▶ tgt country
 - ▶ src state code
 - ▼ src state code
 - ▶ Enterprise country
 - ▼ tgt country
 - ▶ Enterprise country
- ▼ Country
 - ▶ Enterprise Country
 - ▶ ASCustomSate
 - ▼ ISO3
 - ▶ Enterprise Country
 - ▶ Testcodelist

Enterprise Country

[Values](#)
[Crosswalk](#)
[Summary](#)
[Definition](#)
[Stakeholders](#)
[Workflow](#)
[Histo](#)

Enterprise C... (251) Point in Time:

Name ▲	Code	Description
▶ Afghanistan	AF	
▶ Aland	AX	
▶ Albania	AL	
▶ Algeria	DZ	
▶ American Samoa	AS	
▶ Andorra	AD	
▶ Angola	AO	
▶ Anguilla	AI	
▶ Antarctica	AQ	
▶ Antigua and Barbuda	AG	
▶ Argentina	AR	
▶ A...	...	

Authors



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About LumenData

LumenData is a leading provider of **Enterprise Data Management, Cloud & Analytics** solutions. We help businesses navigate their data visualization and analytics anxieties and enable them to accelerate their innovation journeys.

Founded in 2008, with locations in multiple countries, LumenData is privileged to serve over 100 leading companies. LumenData is **SOC2 certified** and has instituted extensive controls to protect client data, including adherence to GDPR and CCPA regulations.



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