

ER/STUDIO TEAM SERVER 19.1 COLLIBRA INTEGRATION

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OVERVIEW

This release continues our journey to connect the Data Architect with the Data Governance initiative to pool knowledge and maintain a united data ecosystem. In this release, we have provided a deep integration with Collibra to allow the exchange and pooling of knowledge between the two teams.

This integration seeks to allow:

- Business Terms to be automatically synchronized with Collibra's Glossary
- Logical and physical models to be uploaded to Collibra along with mappings to Business Terms

Furthermore

- Business Terms created in ER/Studio will be sent to Collibra where they will be elaborated and approved, or rejected. The ER/Studio Glossary will then be updated with additions, updates and deletions.
- Business Terms in Collibra will be synchronized to the Team Server repository with Collibra acting as the master.
- Business Terms in ER/Studio can then be used to classify logical and physical modeling artifacts within Team Server and Data Architect.

The unified model has three regions:

The Business Glossary that

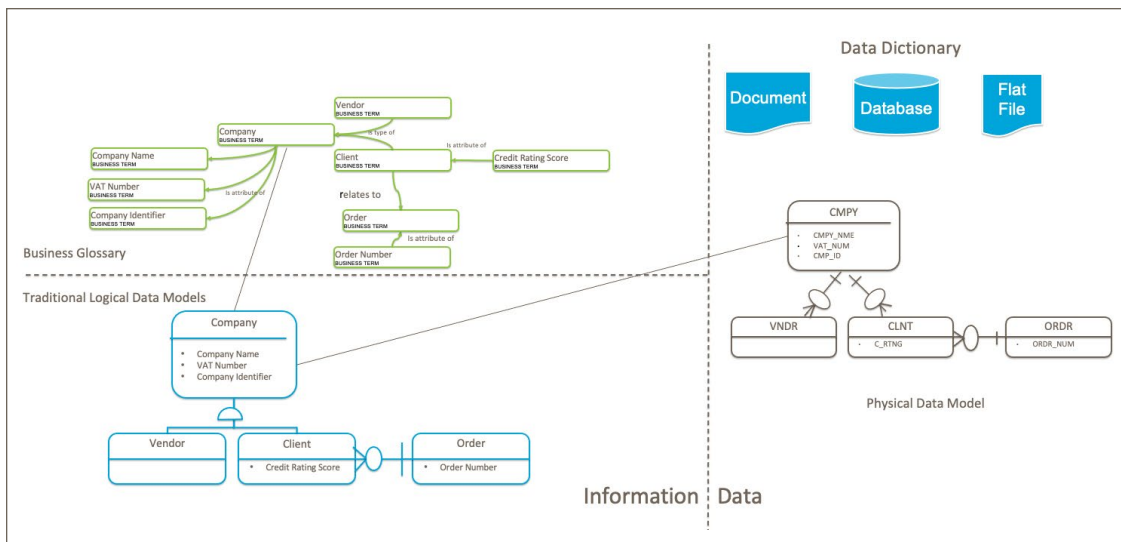
- Data Stewards uses to define the information of the organization and the rules associated with it for the purpose of data governance.

The Logical Data Models that

- Data Architects uses to define the information of the organization and the rules associated with it for the purpose of designing data assets

The Physical Data Models that

- Data Stewards use to understand the contents of data assets and map to Business terms
- Data Architects use for the detailed design of data assets



Our goal is to connect these three models and unite the teams of data stewards and architects.

With v19-0 of ER/Studio we did a lot of work with our Business Glossary to extend the simple Business Glossary into a more powerful ontology. We provided better tools within our Data Architect tool for users to access Business Glossaries to be able to map terms to data models. We also added tools to harvest terms and ontological relationships to kick start the creation of quality business glossaries.

The Business Glossary of ER/Studio Team Server v19-0 has the following goals:

To bring the ER/Studio Business Glossary up to industry standards such that it will:

- Satisfy the needs of modelling the information of large organizations
- Provide the ability to model an ontology with taxonomies
- Allow exchange of Business Terms with other modelling tools

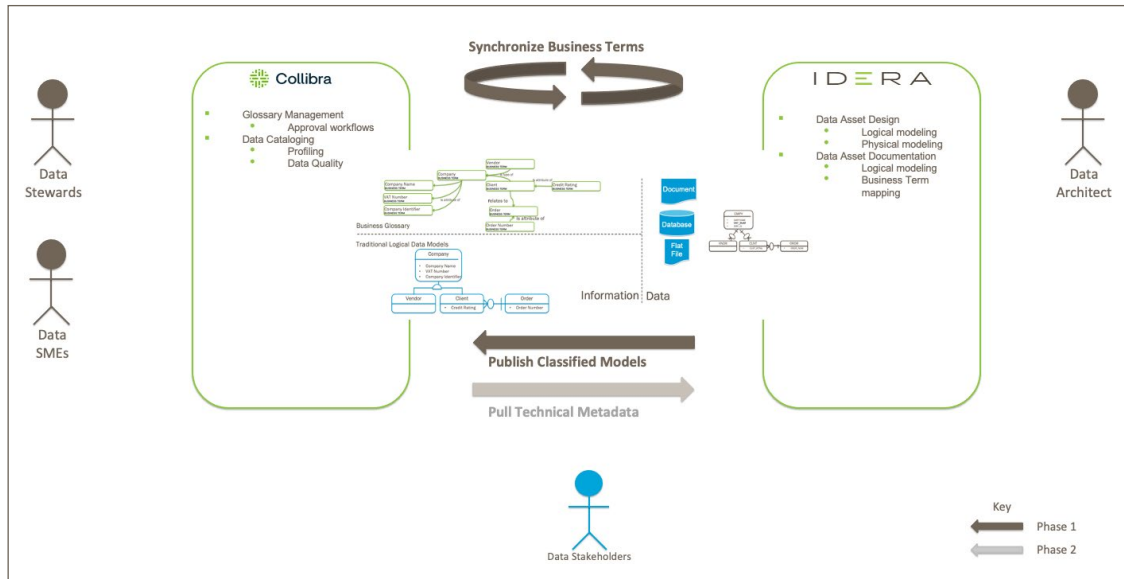
To maximise the value of Business Glossaries by:

- Allowing analysis through attractive visualization
- Allowing users of Data Architect to map business terms to ER objects
- Providing a new wizard to bulk harvest business terms from valuable logical models

THE INTEGRATION

The integration has two main parts:

- Synchronize Business Terms
- Publish Classified Models



SYNCHRONIZE BUSINESS TERMS

The admin user can configure which properties of Business Terms in Collibra map to which properties in Team Server through a simple user interface.

Collibra Integration

Collibra Integration | Settings | Property Mappings

Property Mappings

Business Term | Table | Columns | Entry | Attribute

Notes: Collibra Business Term property is marked as an Business Term property

Showing 22 entries

Auto Create Properties

Collibra Property	Description	Data Type	Team Server Property	Data Type
Custom Data		BusinessTermType	Custom Property	
Data Attachment		BusinessTermType	Custom Property	
Definition	The definition of the business asset. This is the short precise description that clearly defines the business asset.	String(BusinessType) / X-C-TEXT	Definition (BPT-1)	Business
Description Example	An example of the asset	String(BusinessType) / P-C-TEXT	Custom Property	
By Custom Property	The business term is created	String(BusinessType) / P-ALL-TEXT	Custom Property	
Icon	A icon	String(BusinessType) / P-C-TEXT	Additional Icons (BPT-1)	Business
Number Attachment		BusinessTermType	Custom Property	
Status	Status of a business term	String(BusinessType) / P-ALL-TEXT	Custom Property	
AS-1		String(BusinessType) / P-ALL-TEXT	Custom Property	

Showing 1 to 7 of 22 entries

Save

Previous 1 Next

Likewise relationship types can be mapped.

Collibra Integration
 Collibra Integration Business Terms Relationship Mappings
 Map relationship types between Business Terms.

Show 10 entries Search:

Source Type	Target Type	Collibra Relationship	Team Server Relationship	Flip Direction
Business Term	Business Term	allowed value/allowed value of	none	<input type="checkbox"/>
Asset	Business Asset	Dev Test 1 fwd/Dev Test 1 rev	none	<input type="checkbox"/>
Business Asset	Business Asset	groups/grouped by	has attributes/is attribute of	<input checked="" type="checkbox"/>
Business Term	Business Term	is type of/has types of	is type of/has types of	<input type="checkbox"/>
Business Term	Business Term	QA 1 ROLE/QA 1 CO-ROLE	none	<input type="checkbox"/>
Business Term	Asset	QATestRelationshipTypeRole/QATestRelationshipTypeCo-role	none	<input type="checkbox"/>
Asset	Asset	related to/impacted by	relates to/relates to	<input type="checkbox"/>
Business Term	Business Term	replaced by/replaces	none	<input type="checkbox"/>
Asset	Asset	specializes/generalizes	none	<input type="checkbox"/>
Business Term	Business Term	synonym/synonym of	is synonym of/is synonym of	<input type="checkbox"/>

Showing 1 to 10 of 14 entries Previous 1 2 Next Save Cancel

Various settings such as whether Terms created in Team Server will be sent to Collibra and which is the Master for properties and relationships. The sync frequency is also set. The Collibra admin user can then select which Domains in Collibra map to which Glossary objects in Team Server and which status of terms in Collibra should be brought across to Team Server.

Collibra Integration
 Collibra Integration Business Terms Domains

Show 10 Communities Search:

Community/Domain	Map to Team Server Glossary	Only sync terms of status	Will be synchronized
Demo			
Human Resources Glossary	Human Resources	<ul style="list-style-type: none"> ✓ All Accepted Access Granted Approval Pending Approved Candidate Checked In Deployed Disabled Enabled Implemented In Progress Invalid Missing from source Monitored New Obsolete Pending Rejected Resolution Pending Resolved 	<input checked="" type="checkbox"/>
Dev UM Diagrams			
Developers Community			
From TS			
GS			
Human Resources			
JH Demo			
Output Model Dev			
Product Management			
QE Test 1			

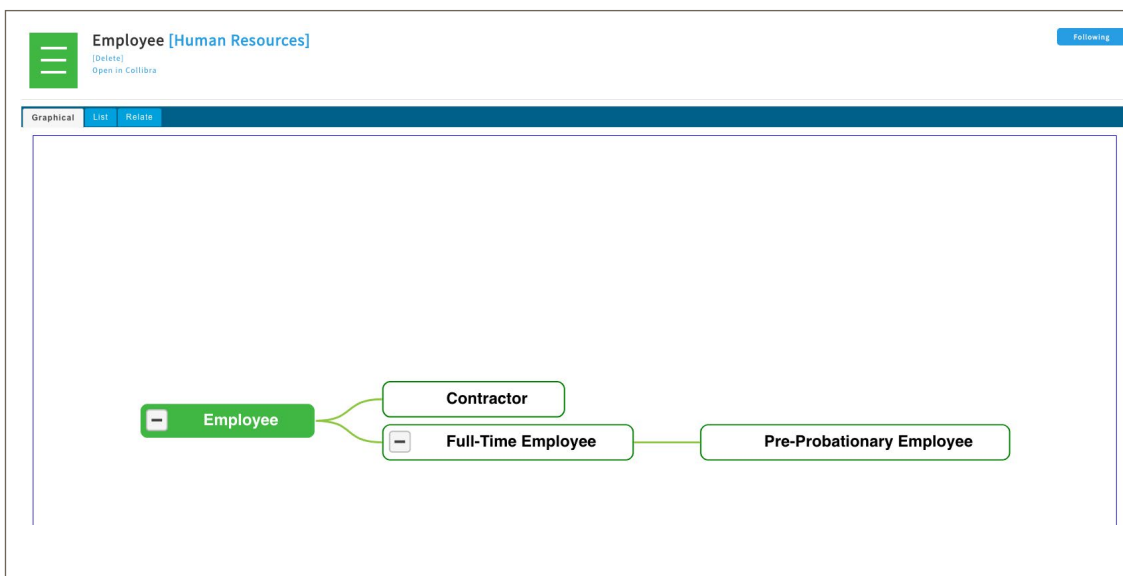
Showing 11 to 20 of 29 Communities Previous 1 2 3 Next Save Cancel

Once the synchronization schedule is started the two tools will keep the Business Glossaries updated on both sides. As new terms are created in Team Server they will appear in Collibra as candidate terms. If you allow Team Server to make changes to Terms the changes will appear in Collibra and set the Terms status back to Under Review to allow the Collibra workflows to track and approve the changes.

Terms in Collibra will have links back to Team Server and vice versa.

The screenshot shows the 'Employee [Human Resources]' term page. On the left is a navigation sidebar with options: Stream, Description, Discussions, Followers, Related Glossaries, and Related Terms. Under 'Related Terms', there are sub-options: Types (Parent), Types (Children), Attributes (Parent), Attributes (Children), Synonyms, and Related. Below that is 'Related ER Objects'. The main content area displays the term details: 'Employee [Human Resources]' with a green menu icon, a '[Delete]' link, and an 'Open in Collibra' link. It shows the creator 'admin' on May 05, 2021, and the last editor 'admin' on Aug 16, 2021, with an 'Edit' button. The details include: Name: Employee; Parent Glossary: Human Resources; Status: Approved; Definition: An employee is someone who works under an employment contract. A person may be an employee law.; Abbreviations; Aliases/Synonyms; My Custom Property; Personally Identifiable Information (PII); Information Policy; and Additional Notes: An Employee must have an Employee Number. At the bottom, it shows 'Idera Team Server Version 19.1.0 Build Id: 19.1.0-202108140832' and a link for more information.

Along with any relationships



Appears in Collibra

Employee
Type: Business Term Status: Under Review

Definition
An employee is someone who works under an employment contract. A person may be an employee in employment law but have a different status for tax purposes. Employers must work out each worker's status in both employment law and tax law.

Descriptive Example
No value has been given yet. Double click or use the edit button.

My Custom Property
Here is a value

Note
An Employee must have an Employee Number

synonym of Business Term
No data available

Name	Domain	Definition
Staff	Human Resources Glossary	

And the relationships

Employee
Type: Business Term Status: Under Review

groups Business Asset

Name	Domain	Definition
Employee Number	Human Resources Glossary	The unique identifier for an E...
Employee Type	Human Resources Glossary	The type of an employee. This ...
First Name	Human Resources Glossary	
Manager	Human Resources Glossary	Someone who manages an e...
Phone Number	Human Resources Glossary	
Start Date	Human Resources Glossary	
SurName	Human Resources Glossary	
Years In Service	Human Resources Glossary	

impacted by Asset

Name	Domain	Description
Address	Human Resources Glossary	
Department	Human Resources Glossary	

related to Asset

Name	Domain	Description
Business Process	Human Resources Glossary	

PUBLISH CLASSIFIED MODELS

Again the Collibra admin user can choose which properties are mapped and which logical data models map to which Domains of type “Logical Data Dictionary”, and which physical data models map to which Domains of type “Physical Data Dictionary” in Collibra.

The user can choose whether to synchronize manually, or upon each publish to Team Server operation, which may be automatic upon each user check in.

Any mappings to Business Terms will be published with the models.

It is worth noting the naming conventions used. Within a Domain, Collibra objects are uniquely identified by the Full Name property only. We construct a unique full name by incorporating the hierarchy. As follows:

Logical

Attributes will be given a “Full Name” of : Entity_Name > Attribute_Name

Physical

If Tables have a schema then they will be named as follows:

Tables will be given a “Full Name” of : Schema > Table

Columns will be given a “Full Name” of : Schema > Table > Column

If Tables do not have a schema then they will be named as follows:

Tables will be given a “Full Name” of : Table

Columns will be given a “Full Name” of : Table > Column

Note, the schema described above will be the textual contents of the Schema (owner) property of a Table.



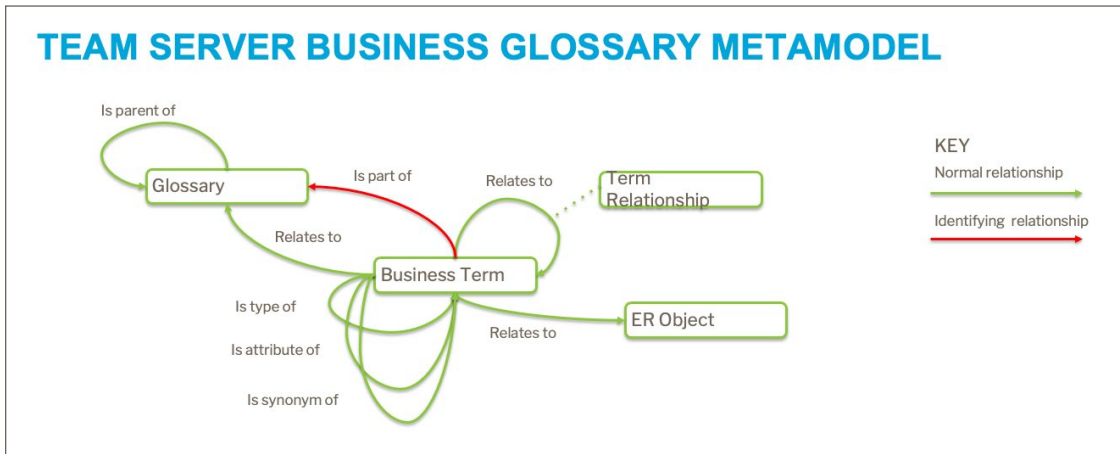
The user can choose whether to synchronize manually, or upon each publish to Team Server operation, which may be automatic upon each user check in.



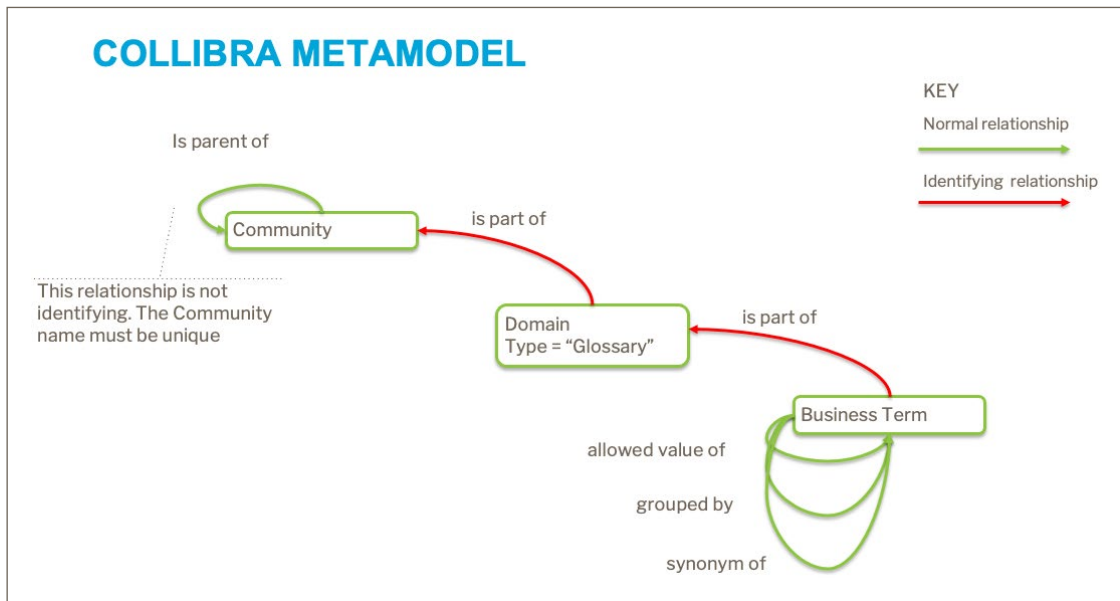
HOW THE METAMODELS OF TEAM SERVER AND COLLIBRA MAP

BUSINESS GLOSSARY

The Team Server metamodel in v19-0 for Business terms is as follows:

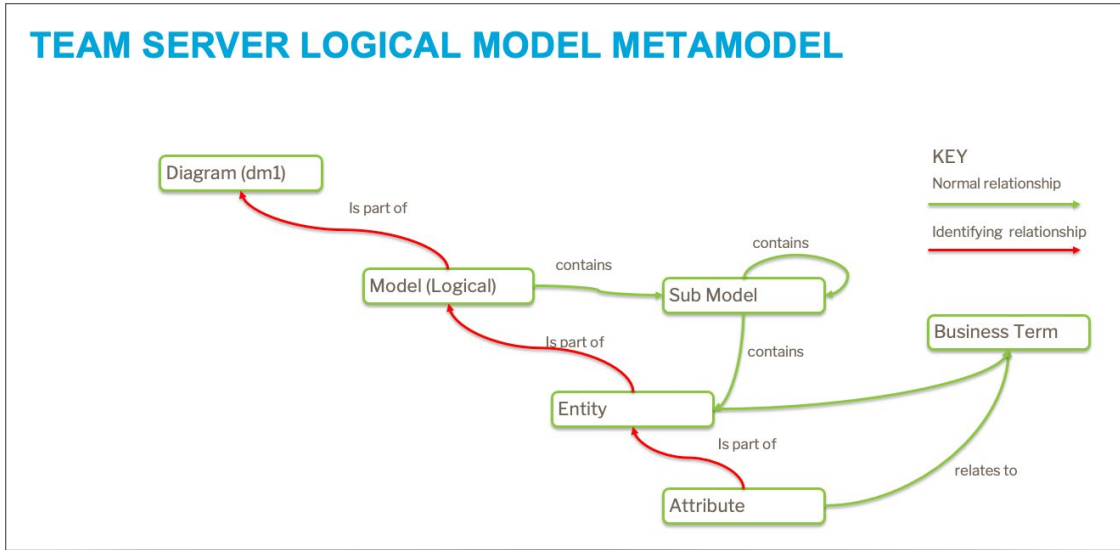


The Collibra Metamodel is as follows:

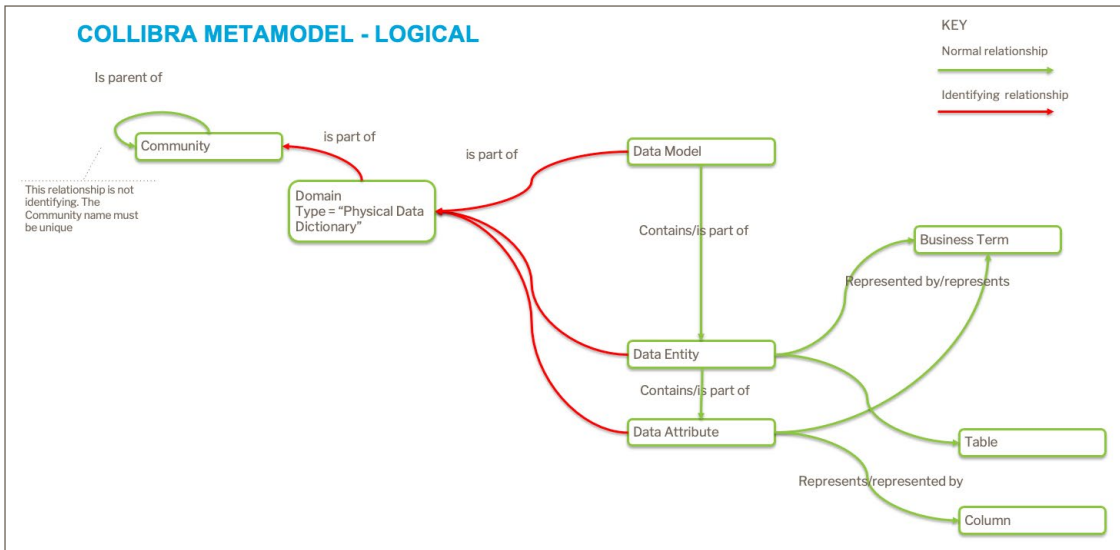


LOGICAL DATA MODELS

In ER/Studio the metamodel for logical models is as follows



With the Collibra metamodel like this

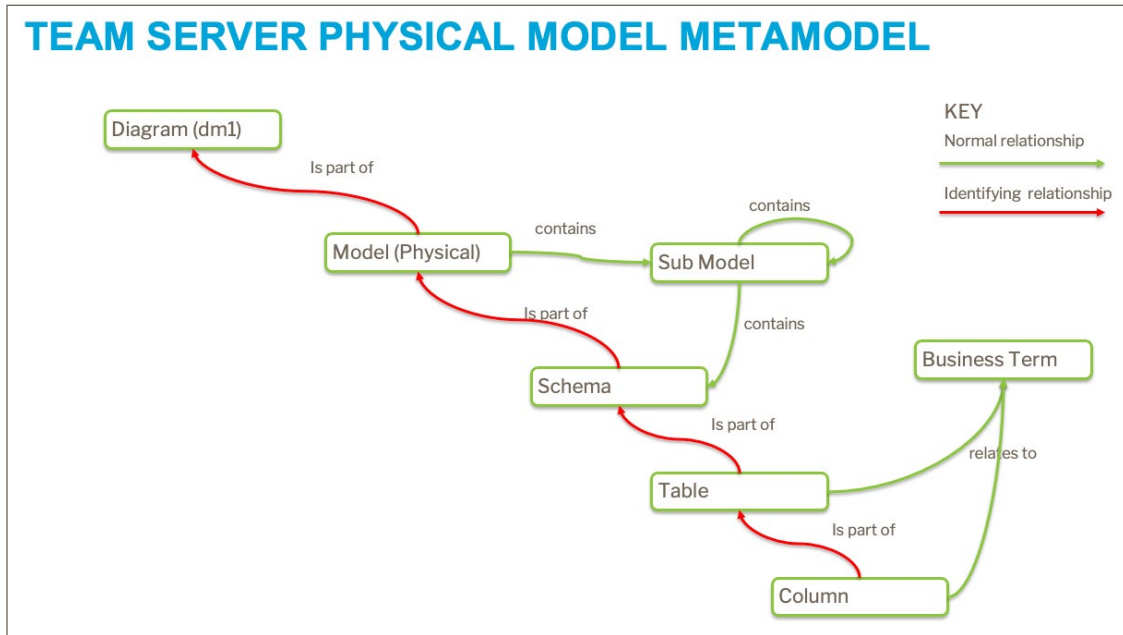


With the following mappings between them:

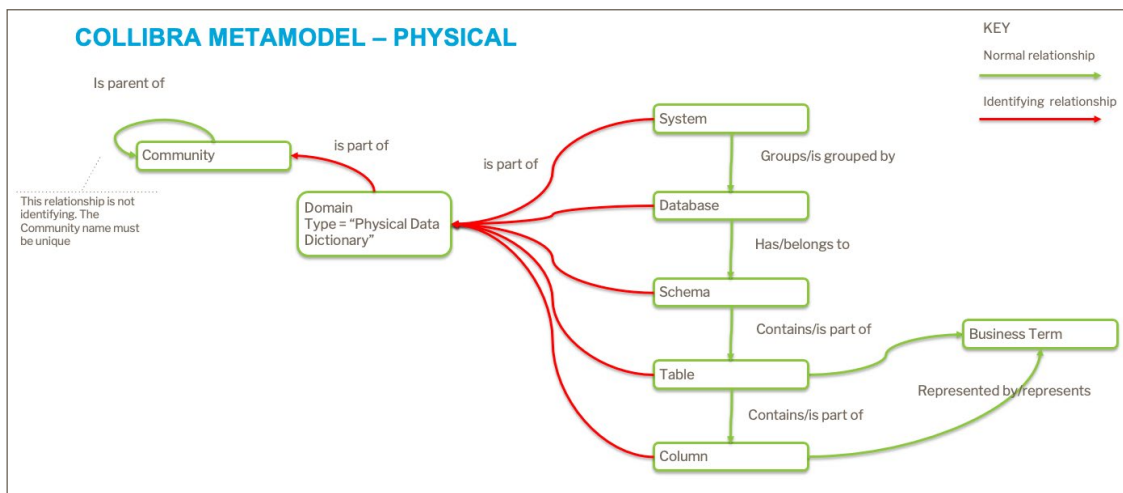
Collibra Object Type	ER/Studio Object Type
Domain [Logical Data Dictionary]	Diagram Name (dm1)
Data Model	Model
Data Entity	Entity
Data Attribute	Attribute

PHYSICAL DATA MODELS

In ER/Studio the metamodel for physical models is as follows:



With the Collibra metamodel like this



With the following mappings between them:

Collibra Object Type	ER/Studio Object Type
Domain [Physical Data Dictionary]	Model (in a Diagram)
System	No mappings
Database	No mappings
Schema	Schema Object
Table	Table
Column	Column

