

# Ringgold External Identify Consortia Database Schema 2.4

Ringgold Identify Interchange Files

Schema 2.4

Version 20200508

Status **RELEASED**

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## Introduction

Ringgold Inc., publishes its "Identify Consortia" database regularly for clients who prefer to import a copy of our data into their own database servers. Due to the wide-range of options available and installed in our clients sites, we try to accommodate as many clients as economically possible. However we are unable to provide data in every format we're aware of.

The core of the "Identify Consortia" data consists of our:

- Ontology, a collection of taxonomies that constrain our metadata into approved options instead of free-text.
- Organizations (previously called Institutions but that not all encompassing)
- Places, our authority table of places to reduce the number or variant cities and locations.
- Organization Metadata. Several tables containing all the metadata we curate or redistribute regarding our consortia organizations.

# Release Notes

- 2019-09-18
  - New interchange schema introduced
  - Institutions are now Organizations
  - Structured file exports in CSV and JSON
  - Object file exports in XML and JSON

## Data Supplied

### Specifications

1. Character set: UTF8 multibyte
2. Collation: UTF8-unicode-ci

## Structured Data Tables

### Tables

1. Countries
2. Ontology
3. Organizations
4. Org\_addresses
5. Org\_metadata
6. Org\_notes
7. Org\_people
8. Org\_relationships
9. Org\_urls
10. Places

### Loading Order

Due to foreign-key or relational dependencies, we recommend loading a few key tables first.

1. Ontology
2. Countries
3. Places
4. Organizations
5. Remainder of tables in any order

## Packages

Our data is published in 'ZIP' packages and require decompression before further processing. If you need a 'ZIP' application to decompress the published package, consider:

1. 7-ZIP
2. WinZip

## File formats

1. Structured/relational databases
  - a. CSV
  - b. JSON
2. Object/noSql databases (pending)
  - a. JSON
  - b. XML

## Data Types

Primitive	Elements	Length	Notes/example
integer	*_ringgold_id *_term_id internal_id place_id ringgold_id taxonomy_id term_id	11	
timestamp	date_created last_modified		"YYYYMMDD HH:mm:ss"
string	*_name *_description address* administrative_area_level_1 administrative_area_level_2 administrative_area_level_3 administrative_area_level_4 administrative_area_level_5 administrative_area_level_1_short administrative_area_level_2_short administrative_area_level_3_short administrative_area_level_4_short administrative_area_level_5_short		"..."

	classification_value code country_code country_format_pattern details formatted_name isni language name name_short note post_code privacy_group province region_name rg_sector rg_type rg_tier taxonomy_name telephone_1 telephone_2 url		
float	latitude longitude		60.123456
boolean	is_consortium is_member is_vendor		0,1

## Table Schemas

### 1. Countries

- a. country\_code
  - i. iso-3166 2 characters
- b. country\_name
- c. region\_name
  - i. Europe
  - ii. North America
  - iii. Rest of the World
- d. privacy\_group
  - i. empty
  - ii. GDPR - means people are not displayable due to GDPR regulations

### 2. Ontology

- a. term\_id
  - b. taxonomy\_id
  - c. taxonomy\_name
  - d. term\_name
  - e. term\_description
  - f. last\_modified
3. Organizations
- a. ringgold\_id
  - b. last\_modified
  - c. status
    - i. approved
    - ii. changed
  - d. is\_consortium
  - e. is\_member
  - f. is\_vendor
  - g. code
  - h. name
  - i. place\_id
    - i. Join to places table.
  - j. post\_code
  - k. rg\_sector
  - l. rg\_type
  - m. rg\_tier
  - n. isni
4. Org\_addresses
- a. internal\_id
  - b. last\_modified
  - c. status
    - i. valid
  - d. ringgold\_id
  - e. address\_type
    - i. main
    - ii. secondary
  - f. address
  - g. address\_1
  - h. address\_2
  - i. address\_3
  - j. address\_4
  - k. address\_5
  - l. address\_6
  - m. city
  - n. province
  - o. post\_code

- p. country\_code
  - q. place\_id
  - r. telephone\_1
  - s. telephone\_2
  - t. fax
  - u. email
  - v. rank
5. Org\_metadata
    - a. internal\_id
    - b. ringgold\_id
    - c. taxonomy\_name
    - d. term\_name
  6. Org\_notes
    - a. internal\_id
    - b. ringgold\_id
    - c. note
    - d. last\_modified
  7. Org\_people
    - a. internal\_id
    - b. last\_modified
    - c. status
      - i. active
    - d. ringgold\_id
    - e. name
    - f. phone
    - g. job\_title
    - h. email\_1
    - i. email\_2
    - j. affiliation
    - k. affiliate\_ringgold\_id
    - l. note
    - m. contact\_role
      - i. Access and authentication
      - ii. ...
  8. Org\_relationships
    - a. internal\_id
    - b. subject\_ringgold\_id
    - c. predicate
      - i. isMemberOfConsortium
      - ii. hasMemberOrganization
      - iii. hasClient
      - iv. isClientOfVendor
    - d. object\_ringgold\_id

9. Org\_urls

- a. internal\_id
- b. ringgold\_id
- c. url
- d. url\_type

10. Places

- a. place\_id
- b. language
- c. country\_code
- d. name
- e. name\_short
- f. administrative\_area\_level\_1
- g. administrative\_area\_level\_2
- h. administrative\_area\_level\_3
- i. administrative\_area\_level\_4
- j. administrative\_area\_level\_5
- k. administrative\_area\_level\_1\_short
- l. administrative\_area\_level\_2\_short
- m. administrative\_area\_level\_3\_short
- n. administrative\_area\_level\_4\_short
- o. administrative\_area\_level\_5\_short
- p. longitude
- q. latitude
- r. formatted\_name
- s. country\_format\_pattern
- t. last\_modified