
FRBR Redis Datastore Documentation

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README

The *frbr-redis-datastore* project is a proof-of-concept native noSQL bibliographic datastore that interoperates with Library of Congress's MARC MODS, VRA Core, CIDOC CRM, RDA Vocabularies, and others into native Redis keys-values structured as FRBR, FRBRoo and FRAD entities.

1.1 Dependencies

- Redis
- Python
- Python Redis Module

LIB.COMMON AND TESTS.TEST_COMMON DOCUMENTATION

2.1 Overview

The `lib.common` module provides the base class from which other python modules use to interface with the *frbr-redis-datastore* and useful standalone functions for interacting with RDF XML and n3 file objects and the Redis datastore.

The `tests.test_common` are the unit tests for `lib.common`.

2.2 *lib.common* Contents

2.3 *tests.test_common* Contents

FRBR AND TEST_FRBR DOCUMENTATION

3.1 Overview

The `frbr` and `test_frbr` provide a light-weight python class wrapper and associated unit tests for basic manipulation of a `Redis` datastore.

3.2 *frbr* Contents

3.3 *frbr_rda* Contents

3.4 *test_frbr* Contents

3.5 *test_frbr_mods* Contents

3.6 *test_frbr_rda_work* Contents

3.7 *test_frbr_rda_expression* Contents

3.8 *test_frbr_rda_manifestation* Contents

3.9 *test_frbr_rda_item* Contents

3.10 *features.frbr_usecases* Contents

LIB.FRAD AND TESTS.TEST_FRAD DOCUMENTATION

4.1 Overview

The `lib.frad` module ...

and `tests.test_frbr` provide a light-weight python class wrapper and associated unit tests for basic manipulation of a Redis datastore.

4.2 *lib.frad* Contents

4.3 *tests.test_frad* Contents

LIB.VRA AND TESTS.TEST_VRA DOCUMENTATION

5.1 Overview

The `lib.vra` module ...

and `tests.test_vra` and associated unit tests for basic manipulation of a [Redis](#) datastore.

5.2 *lib.vra* Contents

5.3 *tests.test_vra* Contents

LIB.RDA AND TESTS.TEST_RDA DOCUMENTATION

6.1 Overview

The `lib.rda` module ...

and `tests.test_rda` provide a light-weight python class wrapper and associated unit tests for basic manipulation of a Redis datastore.

6.2 *lib.rda* Contents

6.3 *tests.test_rda* Contents

LIB.MARC AND TESTS.TEST_MARC DOCUMENTATION

7.1 Overview

The `lib.marc` module ...

and `tests.test_marc` provide a light-weight python class wrapper and associated unit tests for basic manipulation of a Redis datastore.

7.2 *lib.marc21* Contents

7.3 *tests.test_marc21* Contents

7.4 *tests.test_marc2frbr_rda* Contents

7.5 *tests.test_marc2skos* Contents

LIB.MODS AND TESTS.TEST_MODS DOCUMENTATION

8.1 Overview

The `lib.mods` module ...

and `tests.test_mods` provide a light-weight python class wrapper and associated unit tests for basic manipulation of a Redis datastore.

8.2 *lib.mods* Contents

8.3 *tests.test_mods* Contents

DOCUMENTATION FOR FRBR ENTITY MAPPING

9.1 Overview

This module includes various FRBR entity's mapping to various types of data including MARC and MODS and parsing examples into the [Redis](#) datastore.

9.2 *maps.frbr_maps* Contents

LIB.CIDOC_CRM AND TESTS.TEST_CIDOC_CRM DOCUMENTATION

10.1 Overview

The `lib.cidoc_crm` module ...

and `tests.test_cidoc_crm` and associated unit tests for basic manipulation of a [Redis](#) datastore.

10.2 *lib.cidoc_crm* Contents

10.3 *tests.test_cidoc_crm* Contents

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- *genindex*
- *modindex*
- *search*