Utilities for migrating past Invenio versions to Invenio 3.0.

This is an experimental developer preview release.

- Free software: GPLv2 license
- Documentation: https://invenio-migrator.readthedocs.io/
This part of the documentation will show you how to get started in using Invenio-Migrator.

**Installation**

Invenio-Migrator should be installed on both your Invenio legacy installation and your new Invenio 3 installation.

**Invenio Legacy (v1.2/v2.x)**

You install Invenio-Migrator on Invenio legacy installations using PyPI:

```
$ pip install invenio-migrator
```

**Invenio 3**

You install Invenio-Migrator on Invenio 3 installations using PyPI and the extra dependencies `loader`:

```
$ pip install invenio-migrator[loader]
```

**Usage**

Utilities for migrating past Invenio versions to Invenio 3.0. Invenio-Migrator consists of two parts:

- **Dumpers**: Tools for dumping data from an existing Invenio 1.2 or 2.x installation into a JSON file.
- **Loaders**: Tools for loading an Invenio legacy dump into an Invenio 3 installation.
Dumping data

First install Invenio-Migrator on your legacy installation (see Installation). You now the invenio-migrator CLI available to dump your data:

```
$ inveniomigrator --help
Usage: inveniomigrator [OPTIONS] COMMAND [ARGS]...

Command for dumping legacy installation into a file JSON.
Options:
  --help  Show this message and exit.

Commands:
  dump  Dump data from Invenio legacy.
```

Records/files

You can use the CLI to dump e.g. records and files:

```
$ inveniomigrator dump records --query collection:preprints
```

This will dump the records and files in chunks of 1000 records into JSON files in the current working directory. For each record Invenio-Migrator will dump:

- Record revisions in MARCXML and JSON
- Files for a record.

Loading data

First install Invenio-Migrator on your Invenio 3 installation (see Installation). This adds a dumps command to your instance CLI, which you can use to load the record dumps:

```
$ <instance cmd> dumps loadrecords /path/to/records_dump_0.json
```

By default the MARCXML for each record is used to for loading the record. If you wish to use the JSON for each record instead, simply use the --source-type json option to above command.

Customizing loading

In case you need custom loading behavior of your dumps, you can subclass the two classes invenio_migrator.records.RecordDump and invenio_migrator.records.RecordDumpLoader. See API documentation for further details.

Module specific usage

Instructions below describe the dumping/loading of data specific to each module.
CHAPTER 2

API Reference

If you are looking for information on a specific function, class or method, this part of the documentation is for you.

API Docs

Proxies

Records
Additional Notes

Notes on how to contribute, legal information and changes are here for the interested.

Contributing

Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

Types of Contributions

Report Bugs


If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.
Write Documentation

Invenio-Migrator could always use more documentation, whether as part of the official Invenio-Migrator docs, in docstrings, or even on the web in blog posts, articles, and such.

Submit Feedback

The best way to send feedback is to file an issue at https://github.com/inveniosoftware/invenio-migrator/issues.

If you are proposing a feature:

• Explain in detail how it would work.
• Keep the scope as narrow as possible, to make it easier to implement.
• Remember that this is a volunteer-driven project, and that contributions are welcome :)

Get Started!

Ready to contribute? Here’s how to set up invenio for local development.

1. Fork the invenio repo on GitHub.
2. Clone your fork locally:
   ```bash
   $ git clone git@github.com:your_name_here/invenio-migrator.git
   ```
3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:
   ```bash
   $ mkvirtualenv invenio-migrator
   $ cd invenio-migrator/
   $ pip install -e .[all]
   ```
4. Create a branch for local development:
   ```bash
   $ git checkout -b name-of-your-bugfix-or-feature
   ```
   Now you can make your changes locally.
5. When you’re done making changes, check that your changes pass tests:
   ```bash
   $ ./run-tests.sh
   ```
   The tests will provide you with test coverage and also check PEP8 (code style), PEP257 (documentation), flake8 as well as build the Sphinx documentation and run doctests.
6. Commit your changes and push your branch to GitHub:
   ```bash
   $ git add .
   $ git commit -s -m "Your detailed description of your changes."
   $ git push origin name-of-your-bugfix-or-feature
   ```
7. Submit a pull request through the GitHub website.
Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests and must not decrease test coverage.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring.
3. The pull request should work for Python 2.7, 3.3, 3.4 and 3.5. Check https://travis-ci.org/inveniosoftware/invenio-migrator/pull_requests and make sure that the tests pass for all supported Python versions.

Changes

Version 1.0.0a9 (released 2017-07-07)

- Initial public release.

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