



Invenio Development Practices

How to Contribute

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@tiborsimko

Invenio User Group Workshop 2015
Geneva, Switzerland, 12–15 October 2015

Life cycle of a bug report



Step 1 of 6: Reporting



Step 1 of 6: Reporting

An issue in the morning
A feature request in the evening
What else?

— after Ekon



invenio-unapi



This repository Search

Pull requests Issues Gist



TS



inveniosoftware / invenio-unapi

Unwatch 4

Star 1

Fork 3

Invenio module that implements UnAPI service hooks. — Edit

13 commits

1 branch

2 releases

3 contributors



Branch: master

invenio-unapi / +



jirikuncar Installation: post-release version bump ... Latest commit 9b469a 7 days ago

docs	global: initial package separation	2 months ago
invenio_unapi	Installation: post-release version bump	7 days ago
tests	Installation: fix for invenio_testing dependency	20 days ago
.dockerignore	global: initial package separation	2 months ago
.editorconfig	global: initial package separation	2 months ago
.gitignore	global: initial package separation	2 months ago
.travis.invenio.cfg	travis: environment creation fix	7 days ago
.travis.yml	travis: environment creation fix	7 days ago

Code

Issues 0

Pull requests 0

Wiki

Pulse

Graphs

Settings

HTTPS clone URL

https://github.com/invenio

You can clone with HTTPS, SSH, or Subversion.

invenio-records

inveniosoftware / invenio-records

Unwatch 10

Star 1

Fork 16

Issues

Pull requests

Labels

Milestones

Filters

Is:Issue Is:open

New issue

8 Open 3 Closed

Author

Labels

Milestones

Assignee

Sort

Record enhancers **enhancement**
#48 opened 2 hours ago by egabanchio v0.4.0

api: creating record containing specific recid **bug**
#39 opened 26 days ago by kaplun v0.3.5

views: add check record status (exists, merged, deleted) **help wanted**
#37 opened 27 days ago by hachreak v0.4.0

api: `commit` has no effect on records (and other session issues) **bug**
#22 opened on 24 Aug by dset0x v0.3.5

api: patch record not behaving as expected
#21 opened on 21 Aug by eamonnmag

records: dealing with hidden fields **question**
#13 opened on 21 Jul by kaplun

Here is how to reproduce ...

BibUpload: investigate non-indexing of a record with 005 #2693

[Edit](#)[New issue](#)🔒 Closed

tiborsimko opened this issue on 21 Jan - 3 comments

TS

tiborsimko commented on 21 Jan

Owner

There seems to be a bug leading to non-indexing of some records. Here is how to reproduce the problem.

Let us recreate demo site and index any pending OAI repository jobs:

```
$ invenio-recreate-demo-site --yes-i-know
$ sudo -u www-data /opt/invenio/bin/bibindex -u admin -v9
$ sudo -u www-data /opt/invenio/bin/bibindex 10
$ sudo -u www-data /opt/invenio/bin/bibindex -u admin -v9
$ sudo -u www-data /opt/invenio/bin/bibindex 11
```

Let's insert new record looking like record ID 1: (note missing 001 but keeping 005)

```
$ wget -O /tmp/z.xml http://pcuds06.cern.ch/record/1/export/xm
$ grep -v '"001"' /tmp/z.xml > /tmp/zz.xml
$ colordiff -u /tmp/z.xml /tmp/zz.xml
--- /tmp/z.xml 2015-01-21 14:08:47.772553827 +0100
```

Labels

c_Bibindex

c_BibUpload

legacy

p_critical

s_TIND

t_bug

Milestone

v1.2.0

Assignee

TS tiborsimko

Notifications

Reporting tips

- 1 If it ain't on GitHub, it does not exist.
- 2 Watch notifications in interested repositories.
- 3 Check existing issues before submitting.
- 4 Describe concrete steps how to reproduce a problem.
 - what you did
 - what was the outcome
 - what you expected instead
- 5 Submit a test case. Submit a use case.
- 6 Get involved! Comment and advise on other issues.
- 7 Join Invenio chat room.

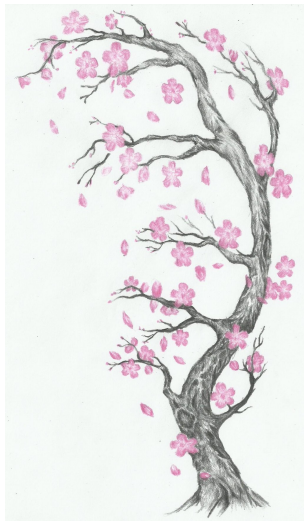
Step 2 of 6: Triaging



Step 2 of 6: Triaging

No milestone
No assignee
A lonely feeling

— after Yosa Buson (1716-1784)



Issues, milestones, labels, humans

 inveniosoftware / invenio

Unwatch 46

★ Star 79

Fork 146

Issues

Pull requests

Labels

Milestones

Filters

is:open is:issue milestone:v1.3.0

New issue

Clear current search query, filters, and sorts

81 Open ✓ 183 Closed



















Author

Labels

Milestones

Assignee

Sort

-  **Allow CrossRef search in BibEdit with FREE "Query Services account"** c_BibEdit legacy p_minor t_enhancement  4
#1277 opened on 30 Apr 2014 by sbujam 
-  **WebAlert: The user should be able to deactivate alerts without deleting them** c_WebAlert legacy p_minor t_enhancement  4
#1227 opened on 30 Apr 2014 by Invenio-developers 
-  **BatchUpload: add -n option to interface** c_BibEdit legacy p_major t_enhancement  3
#1202 opened on 30 Apr 2014 by jmartinm 
-  **BibHarvest OAI-PMH server performance improvement** c_DocExtract c_OAIRepository p_minor t_enhancement  3
#1150 opened on 30 Apr 2014 by Invenio-developers 
-  **BibEdit: fast split of content into a new field** c_BibEdit legacy p_minor s_INSPIRE t_enhancement  1
#1134 opened on 30 Apr 2014 by jmartinm 
-  **BibEdit: possibility to merge fields** c_BibEdit legacy p_major s_INSPIRE t_enhancement  1
#1133 opened on 30 Apr 2014 by jmartinm 

Triage process

■ who?

- 9 persons reachable at @inveniosoftware/triagers
- distributed triage team representing “technology” and “services”
- community presence and volunteering

■ when?

- ongoing triage of incoming issues
- once-a-week live triage brainstorm

■ how?

- github labels, milestones, assignees
- priorities and roadmaps

Triaging tips

- 1 Every issue should have an assignee.
- 2 Every issue should have a milestone.
- 3 Use additional type and priority labels.
- 4 Use additional service labels to provide overview.
- 5 Silent since a month? Ping responsible.
- 6 Nobody in sight to work on this? Discuss and triage.
- 7 No time to realistically tackle this? “Someday” or close.
- 8 No reply? Ping `@inveniosoftware/triagers`.

Step 3 of 6: Developing



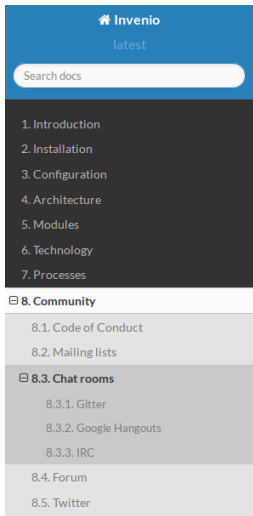
Step 3 of 6: Developing

*Mutable defaults
The Master
Is full of regrets*

— after Yosa Buson (1716-1784)



Contributing documentation



The screenshot shows the left sidebar of the Invenio documentation website. At the top, there is a blue header with the Invenio logo and the word 'latest'. Below the header is a search bar labeled 'Search docs'. A dark grey menu lists the following sections: 1. Introduction, 2. Installation, 3. Configuration, 4. Architecture, 5. Modules, 6. Technology, and 7. Processes. Below this is a section for '8. Community' with a dropdown arrow, containing sub-sections 8.1. Code of Conduct, 8.2. Mailing lists, 8.3. Chat rooms (which is highlighted), 8.4. Forum, and 8.5. Twitter.

Docs » 8. Community » 8.3. Chat rooms

[Edit on GitHub](#)

8.3. Chat rooms

8.3.1. Gitter

We mostly use Gitter these days for both personal and group chat. You can access our chat room here:

- <https://gitter.im/inveniosoftware/invenio>

8.3.2. Google Hangouts

We are using "Invenio Developers" named hangout as well. Please contact info@invenio-software.org if you would like to be added.

The Hangouts room is joinable by invitation only. It broadcasts messages to all developers, even those not currently logged in. Hence please use it sparingly for chit chat or getting targeted help; it is more useful for broadcasting messages of wider general interest. Also, unlike mailing list, the topics are inter-mixed. For wider discussions, you may want to send an email to the mailing list and additionally alert people about it via hangouts.

<http://invenio.readthedocs.org/>

Contributing translations

```
#: modules/bibauthorid/lib/bibauthorid_templates.py:2246
```

```
msgid "most recent documents:"
```

```
msgstr "Neueste Dokumente:"
```

```
#: modules/bibauthorid/lib/bibauthorid_templates.py:2255
```

```
msgid "Sorry, there are no documents known for this person"
```

```
msgstr "Sorry, es gibt keine Dokumente für dieser Person gekennzeichnet"
```

```
#: modules/bibauthorid/lib/bibauthorid_templates.py:2325
```

```
msgid "The following profile is the one you were viewing before logging in: "
```

```
msgstr ""
```

```
"Das folgende Profil ist dasjenige, die Sie sahen, bevor Sie sich anmeldeten: "
```

```
 ⓘ % 614k de.po PO unix | 2102: 0 16%
```

```
Sorry, es gibt keine Dokumente für dieser Person gekennzeichnet<
```

```
 ⓘ * 64 *de.po* Text ⓘ unix | 1:21 All
```

Contributing code

```
from invenio_ext.sqlalchemy import db
from invenio_utils.datastructures import SmartDict

from .models import RecordMetadata
from .registry import functions
from .signals import (after_record_insert, after_record_update,
                      before_record_insert, before_record_update)
```

```
class Record(SmartDict):
    @property
    def __key_aliases__(self):
        return cfg['RECORD_KEY_ALIASES']

    def __getitem__(self, key):
        try:
            return super(Record, self).__getitem__(key)
        except KeyError:
            if key in self.__key_aliases__:
                if callable(self.__key_aliases__[key]):
```

3.9k api.py Python 13 S Y P @ K Git-master unix | 36: 0 26%

The Zen of Python / Tim Peters

```
>>> import this
```

```
The Zen of Python, by Tim Peters
```

```
Beautiful is better than ugly.
```

```
Explicit is better than implicit.
```

```
Simple is better than complex.
```

```
Complex is better than complicated.
```

```
Flat is better than nested.
```

```
Sparse is better than dense.
```

```
Readability counts.
```

```
Special cases aren't special enough to break the rules.
```

```
Although practicality beats purity.
```

```
Errors should never pass silently.
```

```
Unless explicitly silenced.
```

```
In the face of ambiguity, refuse the temptation to guess.
```

```
There should be one-- and preferably only one --obvious way to do it.
```

```
Although that way may not be obvious at first unless you're Dutch.
```

```
Now is better than never.
```

```
Although never is often better than *right* now.
```

```
If the implementation is hard to explain, it's a bad idea.
```

```
If the implementation is easy to explain, it may be a good idea.
```

```
Namespaces are one honking great idea -- let's do more of those!
```

Python Anti-Patterns

Python Anti-Patterns

✓ Correctness

✚ Maintainability

🔍 **Readability**

Asking for permission instead of forgiveness

Comparing things to *None* the wrong way

Comparing things to *True* the wrong way

Using `type()` to compare types

Not using dict comprehensions

Not using dict keys when formatting strings

Not using `items()` to iterate over a dictionary

Not using named tuples when returning more than one value from a function

Documentation » 📖 Readability » Using `type()` to compare types

[View page source](#)

🚨 Check now, if your code contains this pattern. [Learn more ...](#)

Using `type()` to compare types

The function `isinstance` is the best-equipped to handle type checking because it supports inheritance (e.g. an instance of a derived class is an instance of a base class, too). Therefore `isinstance` should be used whenever type comparison is required.

Anti-pattern

The `if` statement below uses the pattern `if type(OBJECT) is types.TYPE` to compare a `Rectangle` object to a built-in type (`ListType` in this example). This is not the preferred pattern for comparing types.

```
import types

class Rectangle:
    def __init__(self, width, height):
        self.width = width
```

<http://docs.quantifiedcode.com/python-anti-patterns/>

Code with style

```
from ..api import Record

logger = get_task_logger(__name__)

@celery.task
def create_record(json, force=False):
    from invenio_ext.sqlalchemy import db
    try:
        return Record.create(json).get('recid')
    except exc.IntegrityError:
        if force:
            current_app.logger.warning(
                "Trying to force insert: (%s)" % json)
```

🔊	- 1.4k	api.py	Python	•1 •3	Ⓢ Ⓜ Ⓟ Ⓜ Ⓢ Ⓜ Ⓢ	Git-master	unix 34:30	67%
Line	Col	Level	ID	Message (Checker)				
0	1	warning	I001	found unsorted imports... (python-flake8)				
1	1	warning	D100	Missing docstring in public module... (python-flake8)				
34	1	warning	D103	Missing docstring in public function... (python-flake8)				
40	13	error	F821	undefined name 'current_app'... (python-flake8)				

🔊 % 304 *Flycheck errors* for buffer api.py Flycheck errors utf-8 | 3: 0 All

pep8 · pep257 · flake8 · isort

Sensible commit history

```
Jiri Kuncar 2015-06-24 16:04 global: preparation for new data model
```

```
    from .api import get_record
```

```
Esteban J. G. Gabancho 2014-06-04 18:03 JsonAlchemy: initial release
```

```
    merged_recid = None
```

```
Jiri Kuncar 2015-06-24 16:04 global: preparation for new data model
```

```
    # FIXME
```

```
    for val in get_record(recid).get("970_d", []):
```

```
Esteban J. G. Gabancho 2014-06-04 18:03 JsonAlchemy: initial release
```

```
    try:
```

```
        merged_recid = int(val)
```

```
        break
```

```
    except ValueError:
```

```
        pass
```

```
🔍 % 4.8k models.py Python +4 Blame ⓘ Ⓜ Ⓟ Ⓜ Ⓜ Ⓜ Ⓜ Git-master unix | 80:12 51
```

```
Commits in master
```

```
00e0a78 * models: version counter for concurrent update Jiri Kuncar 4 months
```

```
90db4ab * global: support for jsonpatch Jiri Kuncar 4 months
```

```
a1dc8a1 * installation: disabled Invenio dependency Jiri Kuncar 4 months
```

```
e59d151 * global: preparation for new data model Jiri Kuncar 4 months
```

```
a685b1d * global: initial package separation Jiri Kuncar 4 months
```

```
400545a * linkbacker: module removal Jiri Kuncar 4 months
```

```
🔍 % 13k *magit-log: invenio-records Magit Log utf-8 | 76:26 29%
```

Local kwalitee check 1 of 2

```
<kwalitee> (M 34310) ~/private/src/invenio-records> kwalitee check message master..upstream/pr/31  
commit 2c5dfd523e60d2a29711fd56668361270843ac1e
```

```
global: simplification of access right check
```

```
* BETTER Uses cache containing permitted restricted collections for  
given user and cached list of restricted collections to perform access  
right check.
```

```
Signed-off-by: Jiri Kuncar <jiri.kuncar@cern.ch>
```

```
Everything is OK.
```

```
<kwalitee> (M 34310) ~/private/src/invenio-records> |
```

```
❶ * 505 *ansi-term* Term ⓘ : char run utf-8 | 14:53 All
```

```
$ kwalitee check message <sha1a..sha1b>
```

Local kwalitee check 2 of 3

```
<kwalitee> (M 34310) ~/private/src/invenio-records> kwalitee check files master..upstream/pr/31  
commit 2c5dfd523e60d2a29711fd56668361270843ac1e
```

```
global: simplification of access right check
```

```
* BETTER Uses cache containing permitted restricted collections for  
given user and cached list of restricted collections to perform access  
right check.
```

```
Signed-off-by: Jiri Kuncar <jiri.kuncar@cern.ch>
```

```
invenio_records/access.py
```

```
22:1: F401 'warnings' imported but unused
```

```
34: D103 Missing docstring in public function
```

```
142: D202 No blank lines allowed after function docstring (found 1)
```

```
|
```

```
1 <kwalitee> (M 34310) ~/private/src/invenio-records>
```

```
❶ * 669 *ansi-term* Term ⌘ : char run utf-8 | 16: 0 All
```

```
$ kwalitee check files <sha1a..sha1b>
```


Local kwalitee check 3 of 3

```
<kwalitee> (M-34310) ~/private/src/invenio-records> kwalitee prepare release ..upstream/pr/31
Improved features
-----

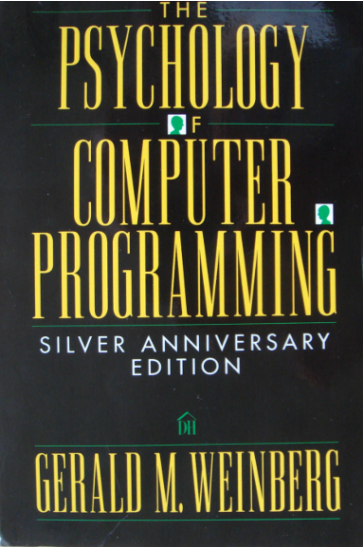
- Uses cache containing permitted restricted collections for given
  user and cached list of restricted collections to perform access
  right check.

<kwalitee> (M-34310) ~/private/src/invenio-records> |
```

```
❶ * 335 *ansi-term* Term ⌚ : char run utf-8 | 9:53 All
```

```
$ kwalitee prepare release <sha1a..sha1b>
```

TPoCP / Gerald Weinberg



**THE
PSYCHOLOGY
OF
COMPUTER
PROGRAMMING**

**SILVER ANNIVERSARY
EDITION**

GERALD M. WEINBERG

**ONE OF THE MOST POPULAR TITLES IN COMPUTING —
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ABOUT THE BOOK

IN THIS SILVER ANNIVERSARY EDITION, Gerald M. Weinberg updates his landmark 1971 classic with a new Preface, chapter-by-chapter commentary, and straight-from-the-heart observations on topics that affect the professional life of programmers.

Providing a characteristically fresh perspective on his original insights, Weinberg returns to topics that are strikingly relevant to today's issues in programming, and highlights the similarities and differences between now and then. Selected Contents include: Programming as a Social Activity • Psychological Measurement • Egoless Programming • The Programming Team • Common Social Problems of Large Projects • Intelligence, or Problem-Solving Ability • Motivation, Training, and Experience • Some Principles for Programming Language Design.

Regarded as one of the first books to pioneer a people-oriented approach to computing, *The Psychology of Computer Programming* endures as a penetrating analysis of the intelligence, skill, teamwork, and problem-solving power of the computer programmer. Dorset House Publishing is proud to make this important text available to new generations of Weinberg fans — and to encourage readers of the first edition to return to its valuable lessons.

ABOUT THE AUTHOR

GERALD M. WEINBERG began his career in programming some forty years ago, as a staff member of IBM and later as manager of data processing, among other positions, and as manager of supervisory programming for Project Mercury. He has since become one of the best-known names in software engineering and is internationally respected for his innovative thinking on both human and technical issues. A highly influential author, lecturer, and consultant, Weinberg holds workshops on helping people improve their productivity. Among his more than two dozen publications are *The Secrets of Consulting*, *Becoming a Technical Leader*, and the *Quality Software Management* series (all available from Dorset House Publishing).





PHOTO BY DAVID GALE

DH

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9 780933 633432

Egoless Programming

- 1 Understand and accept that you will make mistakes.
- 2 You are not your code.
- 3 No matter how much "karate" you know, someone else will always know more.
- 4 Don't rewrite code without consultation.
- 5 Treat people who know less than you with respect, deference, and patience.
- 6 The only constant in the world is change.
- 7 The only true authority stems from knowledge, not from position.
- 8 Fight for what you believe, but gracefully accept defeat.
- 9 Don't be "the guy in the room".
- 10 Critique code instead of people.

Re-read CONTRIBUTING.rst

- 1 Before starting any wider-impact changes, submit a ticket and use a discussion channel.
- 2 Publish your code under GNU General Public License.
- 3 Choose good starting point to build your topical branch upon.
- 4 Make things easily configurable and reusable by others.
- 5 Create logically separate commits for logically separate things.
- 6 Use sensible commit messages and stamp them with QA and ticket directives.
- 7 Include test cases with the code.
- 8 Include documentation with the code.
- 9 Check the overall code kwalitee.
- 10 Send the code for review and integration.
- 11 Help improving overall development, deployment, and operational bandwidth.
- 12 Share thoughts, needs, requirements, solutions, "howto" recipes with others.

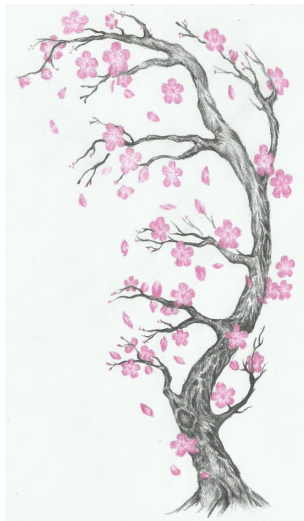
Step 4 of 6: Reviewing



Step 4 of 6: Reviewing

Ecce pull request!
Undocumented features
Still shivering

— after Akutagawa Ryunosuke (1892-1927)





Code reviews

TS tiborsimko commented on the diff 23 days ago


modules/miscutil/lib/invenioconf.py [View full changes](#)



Line	Change	Code
879	885	"%s/bin/bibupload 1" % CFG_PREFIX,
880	886	"%s/bin/bibdocfile --textify --with-ocr --recid 97" % CFG_PREFIX,
881	887	"%s/bin/bibdocfile --textify --all" % CFG_PREFIX,
882	-	"%s/bin/bibindex -u admin" % CFG_PREFIX,
	888	"%s/bin/bibindex -u admin -w collection" % CFG_PREFIX,

TS tiborsimko added a note 23 days ago

Owner  

If a change is required in index scheduling, then I guess we should update HOWTO Run and other documentation at the same time...

 kaplun added a note 23 days ago

Collaborator  

Nope. Looks like it was just an intended speed-up during installation.

Add a line note

Labels 

c_BibIndex

In_review

legacy

p_major

s_INSPIRE


Milestone 

v1.3.0

Assignee 

 kaplun

Notifications

 Unsubscribe

You're receiving notifications because you were assigned.

5 participants

 TS   

Code coverage



All checks have passed

2 successful checks

[Hide all checks](#)

✓ **continuous-integration/travis-ci/pr** — The Travis CI build passed

Required

[Details](#)

✓ **coverage/coveralls** — Coverage remained the same at 26.769%

Required

[Details](#)



This branch has conflicts that must be resolved

Use the [command line](#) to resolve conflicts before continuing.



Merge pull request

or view [command line instructions](#).

TS

Write

Preview

Styling with Markdown is supported

Leave a comment

Attach files by dragging & dropping or [selecting them](#).

Close pull request

Comment

Labels



enhancement

Milestone



v0.3.5

Assignee



TS tiborsimko

Notifications

Unsubscribe

You're receiving notifications because you were assigned.

2 participants



Lock conversation

Thinking forward

Travis CI [Blog](#) [Status](#) [Help](#)

Tibor Simko

inveniosoftware / invenio-records  build failing

[Current](#) [Branches](#) [Build History](#) [Pull Requests](#) > [Build #169](#)

 Settings ▾

 **master** installation: mock>=1.0.1

 Signed-off-by: Jiri Kuncar <jiri.kuncar@cern.ch>

  Jiri Kuncar authored and committed

169 passed

 Commit 34310a1













 Compare 41bce44..34310a1

 ran for 22 min 32 sec

 10 days ago



Build Jobs

	# 169.1	 </> Python: 2.7	 REQUIREMENTS=lowest REXTRAS=docs,tests	 9 min 20 sec
	# 169.2	 </> Python: 2.7	 REQUIREMENTS=release REXTRAS=docs,tests	 4 min 45 sec
	# 169.3	 </> Python: 2.7	 REQUIREMENTS=devel REXTRAS=docs,tests	 8 min 27 sec

Reviewing tips

- 1 Every PR should preserve or increase code coverage.
If it ain't green, it ain't finished.
- 2 Check it as a black box. Input, magic, output.
If it ain't documented, it ain't finished.
- 3 Check it as a white box. Implementation details.
If it ain't styled, it ain't finished.
- 4 Check it as a release news. Messages only.
If it does not announce anything, it may not be finished.

Step 5 of 6: Integrating



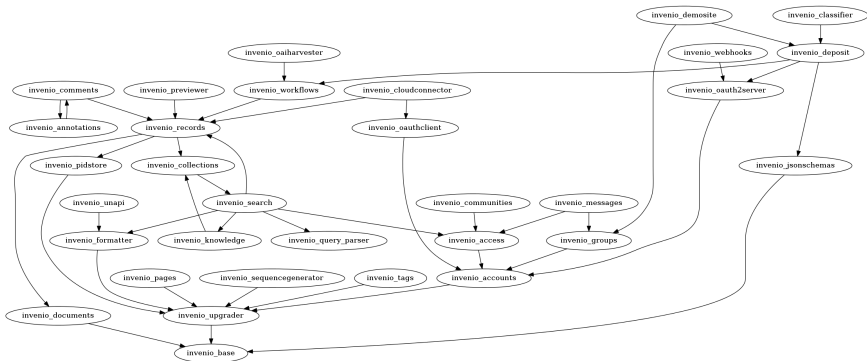
Step 5 of 6: Integrating

*Covered with tests
Instantly I'd like to merge
In this dream of ours!*

— after Ochi Etsujin (1656?-1739?)



Inter-module relations



Inter-service relations

Articles & Preprints (1,086,143)

- Published Articles (1047) Preprints (1016)
- Theses (211) Reports (101)
- CERN Notes (14)
- Conferences (2419)

CERN Articles & Preprints (1,014,14)

- CERN Published Articles (1,014) CERN Preprints (1,014) CERN Theses (1416)
- Theses (211) Reports (101)
- CERN Notes (14)
- Conferences (2419)

Books & Proceedings (181,111)

- CERN Annual Reports (10) CERN Yellow Reports (1,014) CERN Theory (1,019)

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Research - Reviews - Preprints / Preprints - Help

2012

Search publications

Advanced Search Search Tips

- Access to the EPFL academic publications
- Access to the EPFL preprint repository

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EPFL is a member of the Open Access Alliance (OAA) and is committed to providing the Open Access by signing the Berlin Declaration on January 8, 2013, an international agreement which aims to support and promote a new research.

Information on the "Watch at Science"

Watch at Science is a free online platform that provides the "Watch" (free access, this system automatically checks the list of Science for new publications for EPFL members) instead any the publication.

HEP Search

High-Energy Physics Literature Database

Use 'Find' for INSPIRE-like search (HTML)

URL: <http://www.hepnet.org>

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Integrating tips

- 1 Check the signature karma.
If it ain't signed, it ain't finished.
- 2 Check the counter-signature karma.
If it ain't counter-signed, it ain't finished.
 - Reviewed-by
 - :shipit:
 - cross-team signatures
- 3 Check it from the helicopter.
If it ain't green, it ain't finished.
If it ain't understandable, it ain't documented.
- 4 Check its neighbourhoods.
If it changes pre-existing tests, beware of compatibility.
If it removes API-like functions, check outside usage.

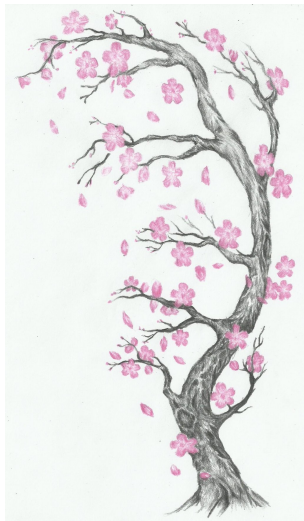
Step 6 of 6: Releasing



Step 6 of 6: Releasing

*The old repository
A tag jumps in
Plop*

— after Matsuo Basho (1644-1694)



Structured release notes

Invenio v1.2.1 is released

Invenio v1.2.1 was released on May 21, 2015.

About

Invenio is a digital library framework enabling you to build your own digital library or document repository on the web.

This stable release update is recommended to all Invenio sites using v1.2.0 or previous releases.

Security fixes

- BibAuthorID:
 - Improves URL redirecting by properly quoting all URL parts, in order to better protect against possible XSS attacks.
- WebStyle:
 - Adds back the `HttpOnly` cookie attribute in order to better protect against potential XSS vulnerabilities. ([#3064](#))

Structured release notes

commit label	release notes section
SECURITY	Security fixes
INCOMPATIBLE	Incompatible changes
NEW	New features
BETTER	Improved features
FIX	Bug fixes
NOTE	Notes
(AMENDS)	(amending past messages)
(missing)	(developers only)

Releasing tips

- 1 Cross-check CI green lights.
- 2 Cross-check Read The Docs documentation builds.
- 3 Cross-check demo site builds.
- 4 `check-manifest`
- 5 Check author list. Add newcomers.
- 6 Update I18N message catalogs.
- 7 Update version number. Generate release notes.
- 8 Push a pre-release to testpypi. Try a test install from there.
- 9 Tag it. Push it. Bump it.
- 10 Add release notes on GitHub. Tweet it. Post it.

Community



#IUGW2012

If you want to go fast, go alone.
If you want to go far, go together.
(after projecthydra.org)



Thanks for flying Invenio
Happy hacking

`inveniosoftware.org`