

My experience contributing to Open Source

Feat. CPython & Babel

About me

- Full-Stack Software Engineer @ CERN
- Interested in Python, Web, Programming languages, parsers ..
- I sometimes contribute to Open Source

About my current work

- Indico
 - We are **Open Source**
 - But we also rely on other Open-source Software



Indico 3.5 Workshop

20-21 Mar 2023 CERN

- Overview
- Call for Abstracts
- Timetable
- My Conference
 - My Contributions
- Registration
- Privacy Information
- Accommodation Information
- Practical Information

After a long period of waiting, further extended by the COVID pandemic, the Indico community meets once again in Geneva for two days of learning, sharing and celebration.

The **Indico Workshop 3.5** will be an opportunity for Indico service providers, developers and administrators from around the world to get together, exchange impressions and ideas and learn from each other.

The Indico Workshop is, for the first time, co-organized by two institutions: **CERN** and the **United Nations!**

Some of the topics discussed will include:

- The latest developments in **Indico 3.2** and what to expect in **upcoming versions**;
- Best practices for the **deployment of Indico**;
- Indico and **Web Accessibility**;
- Indico's **Community and Project Governance**;
- Customization of Indico for **organizational workflows**;
- As usual, **sharing experiences** managing Indico servers;
- **Exchanging impressions** with other Indico developers, admins and users and discussing **possible collaborations**;

Attendance is free of charge. **We're counting on your participation!**

Starts 20 Mar 2023, 08:30
Ends 21 Mar 2023, 18:30
Europe/Zurich

CERN
513/1-024
[Go to map](#)

[Official Event Photos \(CERN\)](#)

Registration
You are registered for this event. [See details >](#)

My motivations

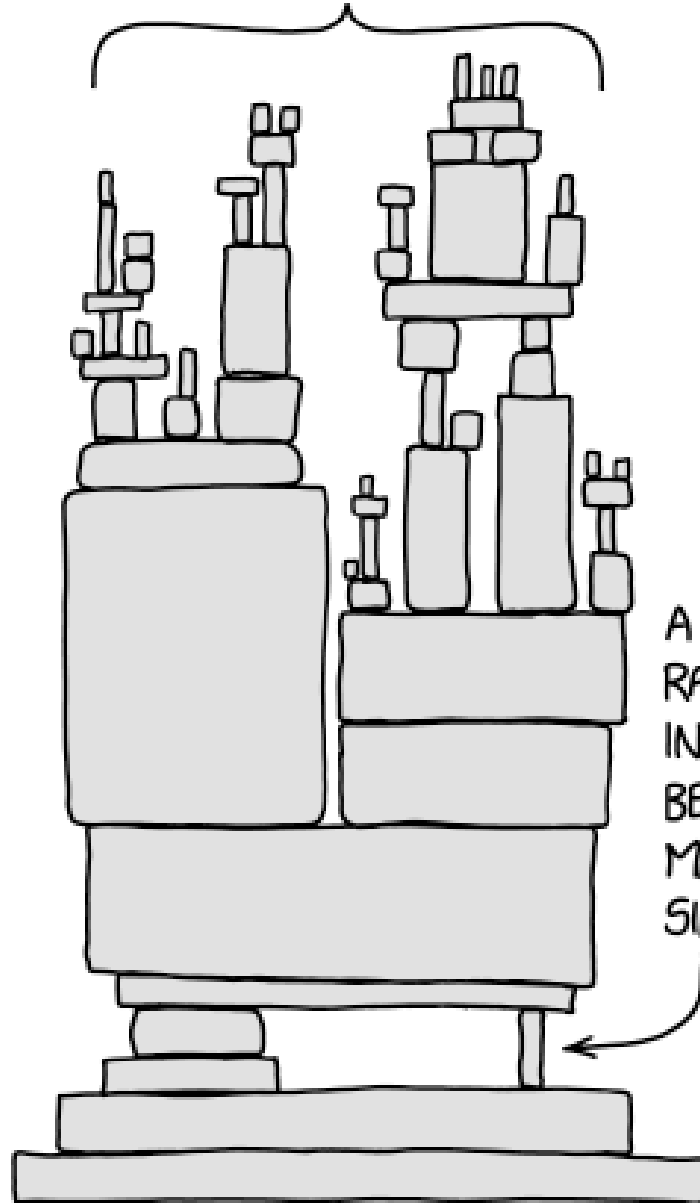
- I get to work on things I find interesting
- To give back to projects we depend on in Indico

Babel

The internationalization (i18n) library for Python

```
format_date(dt, locale='en_GB')  
# 21 February 2025  
format_date(dt, locale='cs_CZ')  
# 21. února 2025
```

ALL MODERN DIGITAL
INFRASTRUCTURE



A PROJECT SOME
RANDOM PERSON
IN NEBRASKA HAS
BEEN THANKLESSLY
MAINTAINING
SINCE 2003

Babel

- First contributed because of Indico
- .. and then just continued doing it

What's Changed

- Fix deprecation warnings for `datetime.utcnow()` by [@tomasr8](#) in [#1119](#)
- Enclose white spaces in references by [@Dunedan](#) in [#1105](#)
- Replace `str.index` with `str.find` by [@tomasr8](#) in [#1130](#)
- Replace more alternate characters in `format_skeleton` by [@tomasr8](#) in [#1122](#)
- Fix extracted lineno with nested calls by [@dylankiss](#) in [#1126](#)
- "Deleted duplicate code in test" by [@matt Diaz007](#) in [#1138](#)
- Fix of list index out of range error in `PoFileParser.add_message` when translations is empty by [@gabe-sherman](#) in [#1135](#)
- Make seconds optional in `parse_time` time formats by [@tomasr8](#) in [#1141](#)
- Mark `wraptxt` deprecated; use `TextWrapper` directly in `write_po` by [@akx](#) in [#1140](#)
- Fix the way obsolete messages are stored by [@tomasr8](#) in [#1132](#)
- Replace `OrderedDict` with just `dict` by [@tomasr8](#) in [#1149](#)
- Use CLDR 46 by [@tomasr8](#) in [#1145](#)
- Update CI to use python 3.13 and Ubuntu 24.04 by [@tomasr8](#) in [#1153](#)
- Adjust docs/conf.py to add compatibility with sphinx 8 by [@hrnciar](#) in [#1155](#)
- Allow specifying an explicit format in `parse_date/parse_time` by [@tomasr8](#) in [#1131](#)
- Simplify `read_mo` logic regarding `catalog.charset` by [@tomasr8](#) in [#1148](#)
- Bump CI/tool versions by [@akx](#) in [#1160](#)
- fix: `check_and_call_extract_file` uses the first matching method and options, instead of the first matching method and last matching options by [@jpmckinney](#) in [#1121](#)
- Prevent wrapping file locations containing white space by [@tomasr8](#) in [#1120](#)
- Add tzdata as dev dependency and sync with tox.ini by [@wandrew004](#) in [#1159](#)
- Support short and narrow formats for `format_timedelta` when using `add_direction` by [@akx](#) in [#1163](#)
- Improve handling for `locale=None` by [@akx](#) in [#1164](#)
- Use `pytest.raises(match=...)` by [@akx](#) in [#1166](#)
- Strip extra leading slashes in `/etc/localtime` by [@akx](#) in [#1165](#)
- Remove redundant assignment in `Catalog.__setitem__` by [@tomasr8](#) in [#1167](#)
- Small cleanups by [@akx](#) in [#1170](#)
- Small test cleanup by [@akx](#) in [#1172](#)
- Add `Message.python_brace_format` by [@tomasr8](#) in [#1169](#)
- Import `Literal` from the typing module by [@tomasr8](#) in [#1175](#)
- Prefer `LC_MONETARY` when formatting currencies by [@akx](#) in [#1173](#)
- Fix dates formatting `Y`, `w` and `W` symbols for week-numbering by [@jun66j5](#) in [#1179](#)
- Increase test coverage of the `python_format` checker by [@tomasr8](#) in [#1176](#)
- Prepare for 2.17.0 by [@akx](#) in [#1182](#)

KOSKENKORVA SALMIAKKI



Flavor
**SALTY
LIQUORICE**

Stamp



From
A VILLAGE

Info

IN THE VILLAGE OF KOSKENKORVA WE
MAKE A SMOOTH, HONEST VODKA. WE'VE
ADDED SCANDINAVIAN SALTY CANDY TO
CREATE A SPICY LIQUORICE LIQUEUR.
IT'S AS SIMPLE AS THAT.

LIQUEUR / LIKÖÖRI / LIKÖR

Alcohol

CPython

- The reference Python implementation
- It's on [GitHub!](#)

CPython

gh-102676: Add more convenience properties to `dis.Instruction`
#103969

Merged **gvanrossum** merged 13 commits into `python:main` from `tomasr8:dis-instruction` on Jun 11, 2023

Conversation 16

Commits 13

Checks 0

Files changed 4



tomasr8 commented on Apr 28, 2023 • edited by bedevere-bot

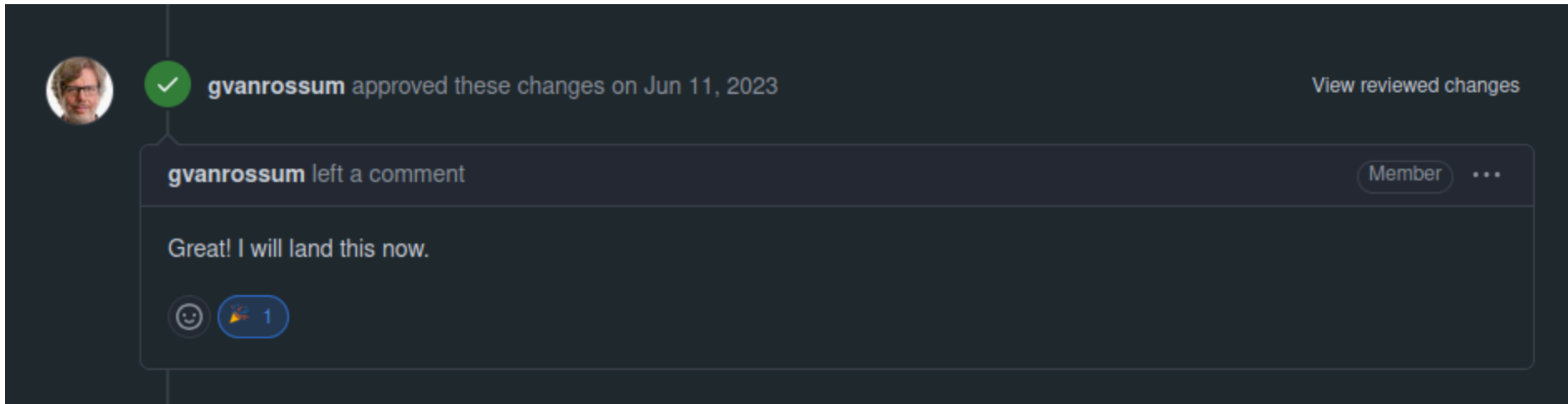
Member ...

Reviewers



gvanrossum

Closes [#102676](#)

CPython





A screenshot of a GitHub pull request interface. At the top left, there is a circular profile picture of a man with glasses. To its right is a green checkmark icon, followed by the text "gvanrossum approved these changes on Jun 11, 2023". In the top right corner, there is a link that says "View reviewed changes". Below this, a comment box is shown. The comment header reads "gvanrossum left a comment" and includes a "Member" role label and a three-dot menu icon. The comment text says "Great! I will land this now." At the bottom left of the comment box, there is a smiley face emoji icon and a blue speech bubble icon containing a flame emoji and the number "1", indicating one reaction.

  **gvanrossum** approved these changes on Jun 11, 2023 [View reviewed changes](#)

gvanrossum left a comment Member ...

Great! I will land this now.

CPython

- Got to work on many exciting parts of CPython
 - Interpreter internals
 - Interactive REPL
 - Parser
 - Standard Library
 - ...



- ☐ [gh-130057: Pygettext: Support translator comments](#) ✓
#130061 by tomasr8 was merged 3 days ago • Approved
- ☐ [\[3.12\] gh-97850: Update the deprecation warning of `importlib.abc.Loader.load_module` \(GH-129855\)](#) ✓
#130017 by tomasr8 was merged last week
- ☐ [gh-129911: pygettext: Fix the keyword entry in help output](#) ✓
#129914 by tomasr8 was merged last week • Approved
- ☐ [gh-97850: Update the deprecation warning of `importlib.abc.Loader.load_module`](#) ✓
#129855 by tomasr8 was merged last week • Approved
- ☐ [gh-129693: Suppress `SyntaxWarning` in `test_fstring`](#) ✓ `skip news` `tests`
#129830 by tomasr8 was merged last week • Approved
- ☐ [gh-104400: pygettext: Prepare to replace `TokenEater` with a `NodeVisitor`](#) ✓ `skip news`
#129672 by tomasr8 was merged 2 weeks ago • Approved
- ☐ [gh-129093: Fix f-string debug text sometimes getting cut off when expression contains `!`](#) ✓
#129159 by tomasr8 was merged last month • Approved
- ☐ [Fix a typo in `syslog`'s error message](#) ✓ `skip issue` `skip news`
#129029 by tomasr8 was merged on Jan 20 • Approved
- ☐ [gh-129020: Remove ambiguous sentence from `tokenize.untokenize` docs](#) ✓ `docs` `skip news`
#129021 by tomasr8 was merged on Jan 20 • Approved
- ☐ [gh-125522: Fix bare except in `test_uuid`](#) ✓ `skip news` `tests`
#129018 by tomasr8 was merged 3 weeks ago • Approved
- ☐ [gh-128636: Fix crash in PyREPL when `os.environ` is overwritten with an invalid value](#) ✓
#128653 by tomasr8 was merged last month • Approved
- ☐ [gh-97850: Remove the mention of removal from `ResourceReader` docs](#) ✓ `docs` `skip news`
#128602 by tomasr8 was merged on Jan 9 • Approved
- ☐ [gh-97850: Suggest `TraversableResources` as the alternative for `ResourceLoader`](#) ✓ `docs` `skip news`
#128601 by tomasr8 was merged on Jan 15 • Approved
- ☐ [gh-128519: Update the docstring of `untokenize\(\)` to match the docs](#) ✗ `skip news`
#128521 by tomasr8 was merged on Jan 6 • Approved
- ☐ [gh-128031: Preserve tab characters in `untokenize\(\)`](#) ✓ `awaiting core review`
#128032 by tomasr8 was closed on Jan 2
- ☐ [gh-121604: Make sure all deprecated items in `importlib` raise `DeprecationWarning`](#) ✓
#128007 by tomasr8 was merged on Jan 15 • Approved

CPython

... and security vulnerabilities?

Heap-use-after-free READ 8 · dictkeys_decref in fuzz_ast_literal_eval
#125010

✓ Closed

  alex added `type-crash` `type-security` `release-blocker` on Oct 5, 2024

CPython

gh-125010: Fix `use-after-free` in AST `repr()` #125015

Merged JelleZijlstra merged 7 commits into `python:main` from `tomasr8:ast-repr-fix` on Oct 6, 2024

Conversation 24 Commits 7 Checks 33 Files changed 3



tomasr8 commented on Oct 6, 2024 • edited by bedevere-app bot

Member ...

- Issue: [Heap-use-after-free READ 8 · dictkeys decref in fuzz_ast_literal_eval #125010](#)



What I learned

- Contributing is a two way street - The PR is not everything
- Be patient - Most people do this in their free time
- Start slow and build trust over time
- Adapt to the project - Each project works differently and has different needs

I'd like to contribute, where do I start?

OPEN SOURCE

THE TOOL

THE DOCS

When your only contribution to open source software is typo pull requests

