

Software citation from the source, at the source

The Citation File Format and its integrations

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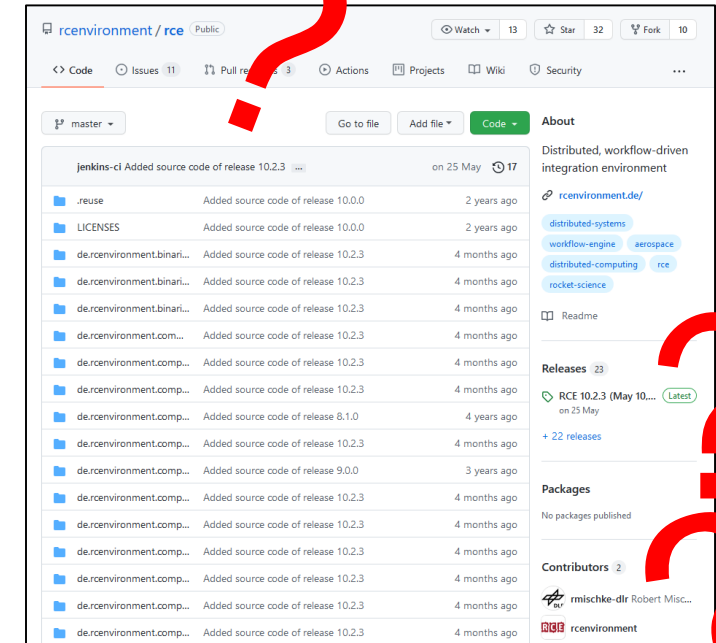
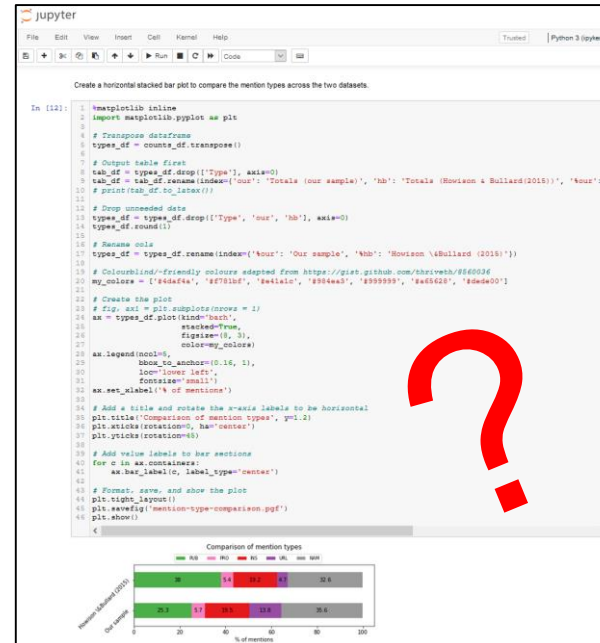
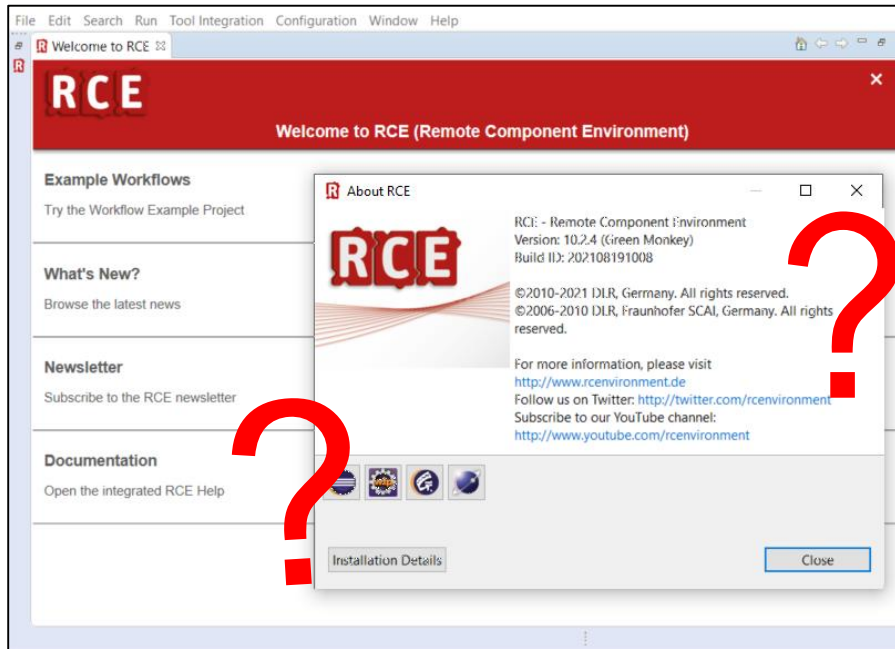
DOI [10.5281/zenodo.5764777](https://doi.org/10.5281/zenodo.5764777)



Knowledge for Tomorrow



Problem: Citing software with complete and correct metadata



METADATA: Name? Authors? Version? Journal/publisher? Publishing date?



The Citation File Format (CFF)

- **Community format** for providing software citation metadata in **CITATION.cff** (YAML)
- Focus on (advanced) citation use cases and **usability**
- **Actively developed**
- Integrated with
 - **GitHub**
 - **Zenodo**
 - **Zotero**
 - ...




```
cff-version: 1.2.0
message: If you use this software, please cite it using these metadata.
title: My Research Software
abstract: This is my awesome research software. It does many things.
authors:
  - family-names: Druskat
    given-names: Stephan
    orcid: "https://orcid.org/0000-0003-4925-7248"
version: 0.11.2
date-released: "2021-07-18"
identifiers:
  - description: This is the collection of archived snapshots of all versions of My Research Software
    type: doi
    value: "10.5281/zenodo.123456"
  - description: This is the archived snapshot of version 0.11.2 of My Research Software
    type: doi
    value: "10.5281/zenodo.123457"
license: Apache-2.0
repository-code: "https://github.com/citation-file-format/my-research-software"
```

METADATA: From the source (creators), at the source (code repository)



cffinit – Create CITATION.cff files easily

Report an issue  Documentation

- Start
- Authors
- Identifiers
- Related resources**
- Abstract
- Keywords
- License
- Version specific
- Finish

Related resources

What is the URL of the work in a source code repository?

What is the URL of a landing page/website for the work?


What is the URL of the work in a repository?

What is the URL of the work in a build artifact/binary repository?

```
# This CITATION.cff file was generated with cffinit.  
# Visit https://bit.ly/cffinit to generate yours today!  
  
cff-version: 1.2.0  
title: My Research Software  
message: Please cite this software using these metadata.  
type: software  
authors:  
- given-names: Stephan  
  family-names: Druskat  
license: MIT
```

Your CITATION.cff is valid

[Previous](#) [Finish](#) [Next](#) [Download](#)

netherlands  center

bit.ly/cffinit



Citation File Format in GitHub

10 days ago

10 days ago

10 days ago

Readme

CC-BY-4.0 License

Cite this repository ▾

Cite this repository

If you use this software in your work, please cite it using the following metadata. [Learn more](#)

APA BibTeX

Druskat, S., Spaaks, J. H., Chue Hong, N., H...

View citation file

- Detect **CITATION.cff** files
- Render information (BibTeX, citation styles) based on currently viewed commit
- Link to CITATION.cff file
- Documentation and template

cfftracker / CITATION.cff in main Cancel changes

Adding a **CITATION.cff** file helps users to easily cite your software from the repository overview. [Learn more](#) Insert example

<> Edit new file Preview Spaces 2 No wrap

```

1 cff-version: 1.2.0
2 message: "If you use this software, please cite it as below."
3 authors:
4 - family-names: "YOUR_NAME_HERE"
5   given-names: "YOUR_NAME_HERE"
6   orcid: "https://orcid.org/0000-0000-0000-0000"
7 - family-names: "Lisa"
8   given-names: "Mona"
9   orcid: "https://orcid.org/0000-0000-0000-0000"
10 title: "cfftracker"
11 version: 1.0.0
12 doi: 10.5281/zenodo.1234
13 date-released: 2021-08-19
14 url: "https://github.com/sdruskat/cfftracker"
15

```

Citation File Format integration in Zenodo & Zotero

- Uses citation information in **CITATION.cff** via GitHub-Zenodo integration
- No conversion to **.zenodo.json**
- Zotero connectors pick up the information in **CITATION.cff**

Referencing and citing content

You can use third-party tools to cite and reference content on GitHub.

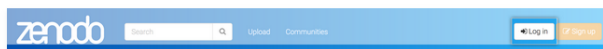
Issuing a persistent identifier for your repository with Zenodo

To make your repositories easier to reference in academic literature, you can create persistent identifiers, also known as Digital Object Identifiers (DOIs). You can use the data archiving tool [Zenodo](#) to archive a repository on GitHub.com and issue a DOI for the archive.

Tips:

- Zenodo can only access public repositories, so make sure the repository you want to archive is [public](#).
- If you want to archive a repository that belongs to an organization, the organization owner may need to [approve access](#) for the Zenodo application.
- Make sure to include a [license](#) in your repository so readers know how they can reuse your work.

- 1 Navigate to [Zenodo](#).
- 2 In the upper-left corner of the screen, click [Log in](#).



Info	Notes	Tags	Related
Citation Key: druskatHexatomic2021			
Item Type	Software		
Title	Hexatomic		
Programmer	Druskat, Stephan		
Programmer	Krause, Thomas		
(...) Abstract	Hexatomic is an extensible software for deep multi-layer annotation of linguistic corpora		
Series Title			
Version	0.6.0-SNAPSHOT		
Date	2021-03		
System			
Place			
Company			
Prog. Language	Java		
ISBN			
Short Title			
URL	https://github.com/hexatomic/hexatomic		
Rights	Apache-2.0		
Archive			
Loc. in Archive			
Library Catalog	GitHub		
Call Number			
Accessed	8/19/2021, 3:00:24 PM		
Extra	original-date: 2018-08-27T09:58:58Z		
Date Added	8/19/2021, 3:00:24 PM		
Modified	8/19/2021, 3:00:24 PM		



Conclusion and outlook

- “One giant leap for the Citation File Format, one small step for software citation.” 🚀
- More integrations coming, e.g. JabRef, GitLab ([#337368](#))
- Developing governance as part of the Digital Infrastructure Incubator at Code for Science & Society
- <https://citation-file-format.github.io>
<https://github.com/citation-file-format/citation-file-format/>

