

Software Citation Tools

Team ForCite

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Project Context

- Software in research
 - Software cited as data
 - Software cited as a paper
 - Software not cited at all
- Importance of Citation
 - Credit for open source devs
 - Reproducibility

What is a Software Citation?

Citation Attributes:

Attribution

Specificity

Accessibility

Persistence

Unique Identification

Concrete Components:

Title

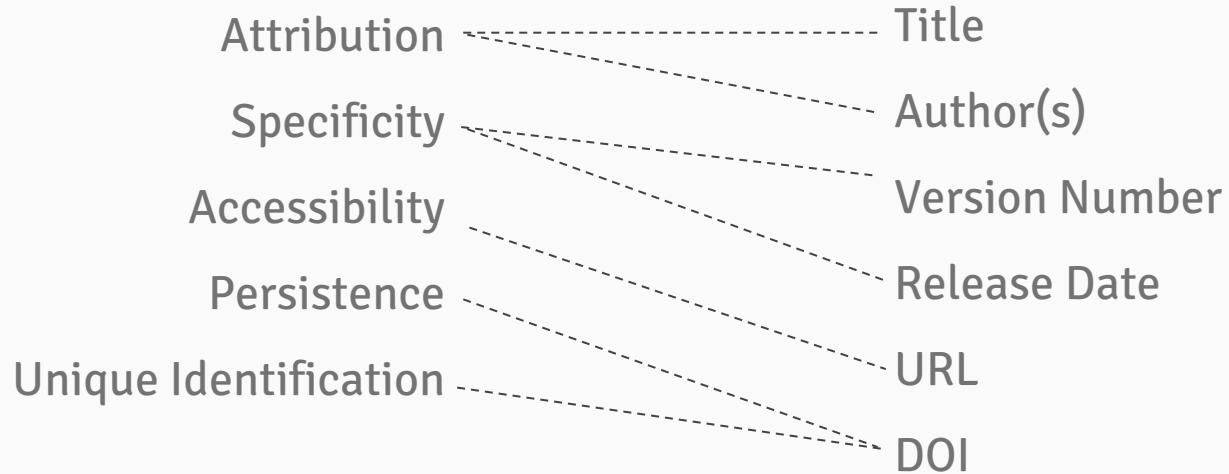
Author(s)

Version Number

Release Date

URL

DOI

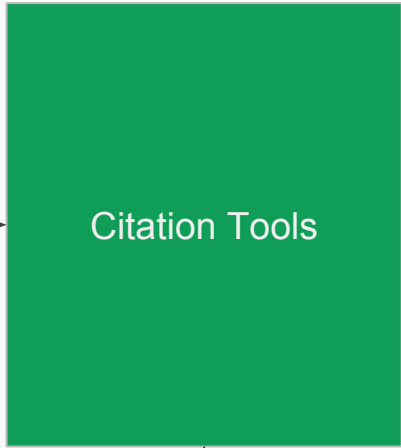


Sponsor Needs

- Mozilla Science Lab advocates for open source software in science
- Tools to cite software
 - GitHub
 - BitBucket
 - FigShare

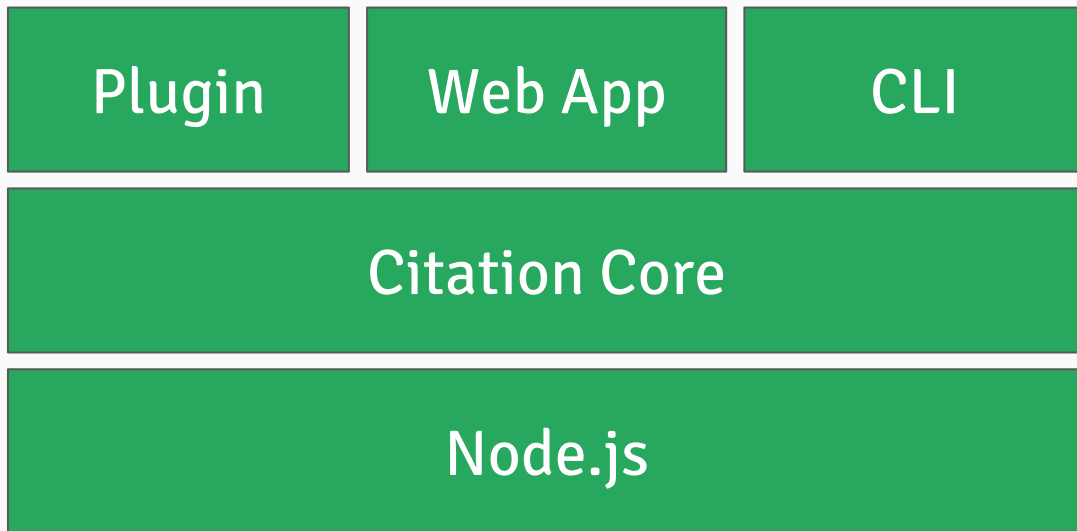
Design & Architecture

<http://github.com/apple/swift>



Lattner, C., Gribenko, D. & Gregor, D. (2016). "swift". Version: Swift 3.0.1 Preview 3.
Retrieved From: <https://swift.org/>

Product Line



Demo

Challenges

- Limitations of source APIs
 - No emails via Figshare
 - No contributors list on BitBucket
 - No DOI on GitHub or BitBucket
- Trouble fostering a community & soliciting contributions
 - Product requirements meant to be driven by community input
 - Some trouble soliciting requirements without that community

Future Goals

- Foster a more active community to contribute to the tools
- Add support parsing .git folder for data
- Add support for additional version control systems

Final Questions, Comments, & Thoughts