

Research Software Directory

A content management system tailored to research software

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The Why





The Why: some challenges

- 1. What software, expertise do we have?
- 2. How to show outside world what we're working on
- 3. How to collect metrics
- 4. How to illustrate making an impact through software



The What

research-software.nl





The How

Collecting data

- use existing services
 - GitHub
 - Zenodo
 - GitHub-Zenodo integration
 - Zotero
 - Medium (blogs)
- let engineers work in their comfort zone (GitHub)

research-software.nl/admin





The How: Example workflow for an engineer

- make a new repo
- enable GitHub-Zenodo integration
- make release 0.1.0 on GitHub (generates DOI and conceptDOI)
- 4. make a product page on the Research Software Directory (use conceptDOI)
- make release 0.2.0 on GitHub
- make release 0.2.1 on GitHub
- link 7 otero item to the software as a Mention.
- make release 0.3.0 on GitHub





The How: deployment

git clone <the repo> docker-compose build source rsd-secrets.env.example docker-compose up -d

Point your browser to: http://localhost

Customization and configuration is all described in the README, but not easy.



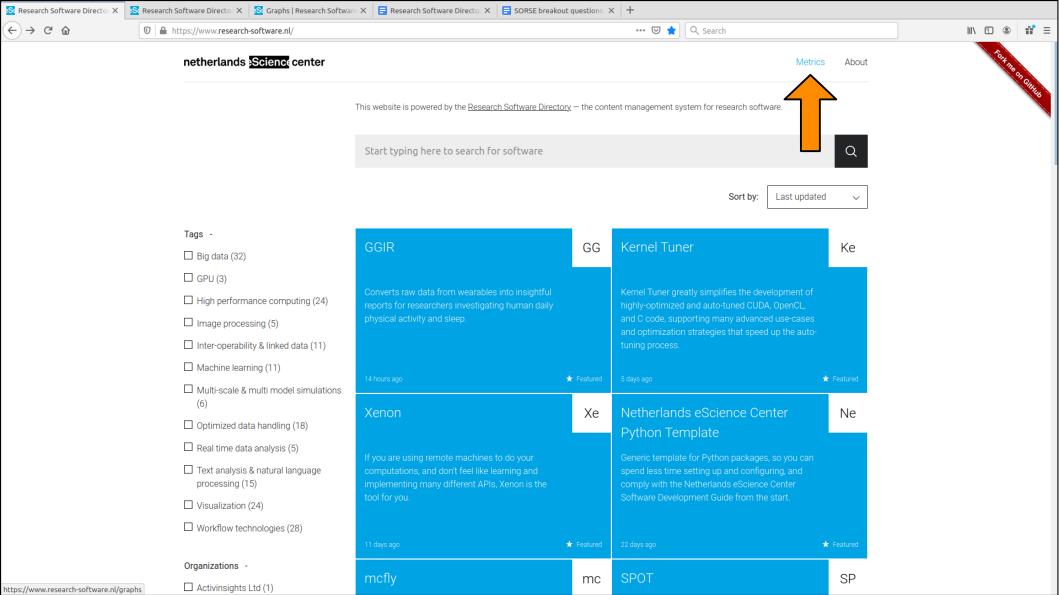


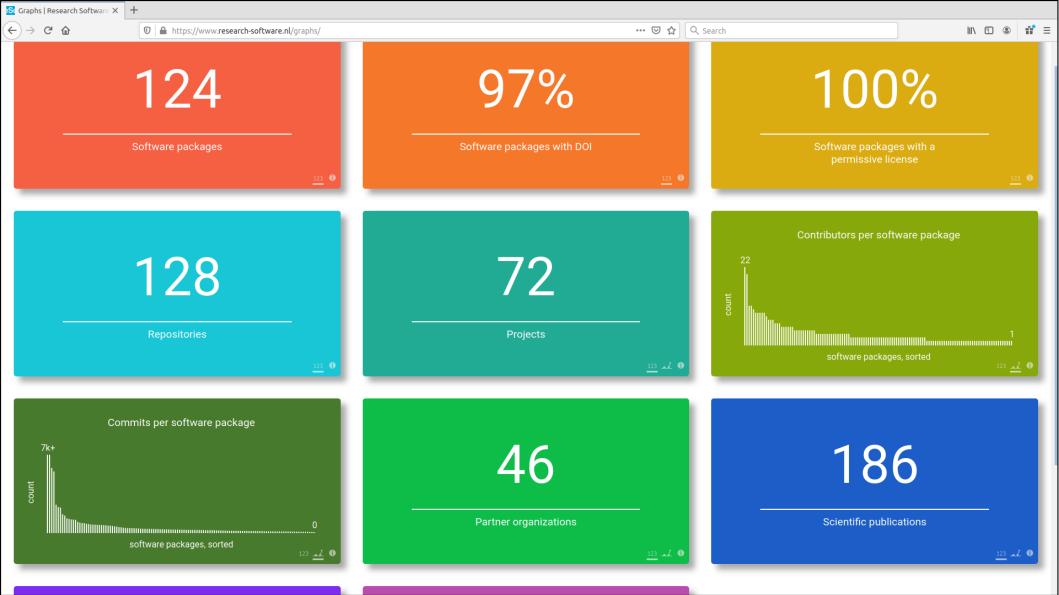
Reporting

```
$ python3 numbers_for_rob.py
import requests
                                                                            Getting the release data...
def get number of releases():
                                                                            2010: 0
   print("Getting the release data...")
                                                                            2011: 0
                                                                            2012: 0
   api = "https://www.research-software.nl/api"
   data = requests.get(api + "/software cache").json()
                                                                            2013: 0
                                                                            2014: 0
   releases = []
   for d in data:
                                                                            2015: 1
      releases += d["releases"]
                                                                            2016: 37
   for y in range(2010, 2021):
       comprehension = [r for r in releases if r["datePublished"][:4] == str(y)]
                                                                            2017: 98
      print("{0}: {1}".format(y, len(comprehension)))
                                                                            2018: 123
                                                                            2019: 113
   name == " main ":
                                                                            2020: 95
   get number of releases()
```









Thank you

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