



OARC35

7 May 2021

OARC Software Report

Jerry Lundström

Software Engineer

jerry@dns-oarc.net

Full Software Report

[OARC 35 - Software Report \(PDF, on Indico\)](#)

- Funded projects
- OARC software highlights and updates
- Members' software updates



DNS-OARC

Domain Name System Operations Analysis and Research Center

Software Projects & Funding

<https://www.dns-oarc.net/oarc/software>

- Overview of software developed and maintained by OARC
 - dsc, dsc-datatool, dnscap, dnssperf, dnssjit, drool, packetq, tinyframe, dnswire and more
- Information about funding development, licensing policy, links to GitHub project pages and mailing lists



DNS-OARC

Domain Name System Operations Analysis and Research Center

Releases

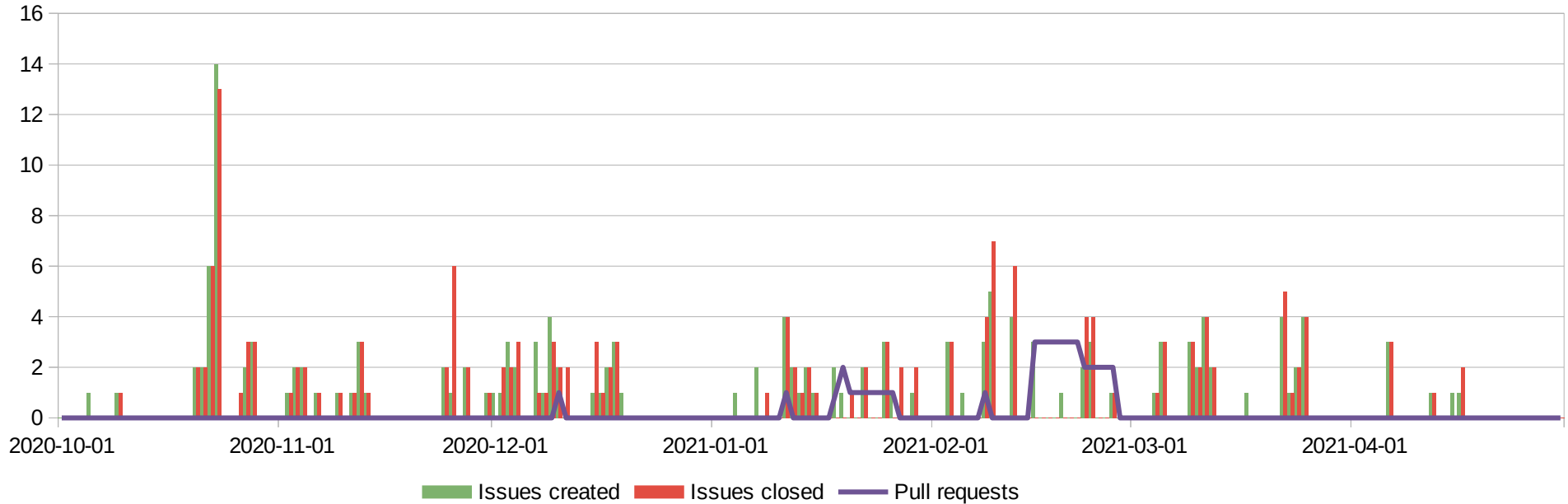
- 18 releases since OARC 33
- Over 160 issues and pull requests



DNS-OARC

Domain Name System Operations Analysis and Research Center

Issues and Pull Requests



DNS-OARC

Domain Name System Operations Analysis and Research Center

Funded Projects

- dnssperf DNS-over-HTTPS project
 - Funded by Mozilla and Comcast Innovation Fund
 - BIND dependency removed (phase 1)
 - Improved engine for stateful transports (phase 2)
- Check My DNS – RPKI origin validation achievements
 - Funded by ARIN



DNS-OARC

Domain Name System Operations Analysis and Research Center

Highlights

- OARC Software channel on Mattermost
- dnscap v2.0.0
- New features in dum dum d
- DSC Grafana example graphs updated/fixed



DNS-OARC

Domain Name System Operations Analysis and Research Center

Future Stuff

- dnssperf: DNS-over-HTTPS support (phase 3)
- DSC and Grafana crash course around OARC35a
 - Setup from scratch to creating the graphs
- Got ideas? Let me know!



DNS-OARC

Domain Name System Operations Analysis and Research Center



DNS-OARC

Domain Name System Operations Analysis and Research Center