



**OARC AGM  
2021**

# OARC Software Report

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# Full Software Report

[OARC AGM 2021 - Software Report \(PDF, on Indico\)](#)

- Funded projects
- OARC software highlights and updates
- Portal changes



**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



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# Releases

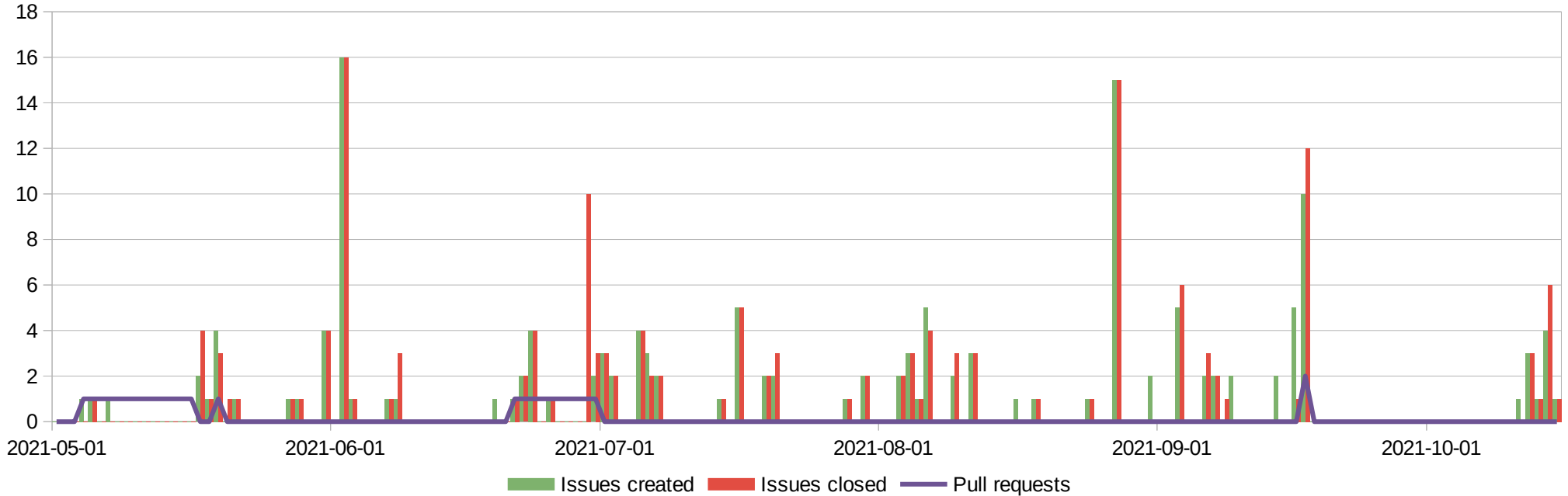
- 10 releases since OARC 35
- Over 140 issues and pull requests



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# Issues and Pull Requests



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# Funded Projects

- dnssperf DNS-over-HTTPS project – **COMPLETED!**
  - Funded by Mozilla and Comcast Innovation Fund
  - BIND dependency removed (phase 1)
  - Improved engine for stateful transports (phase 2)
  - **DNS-over-HTTPS support (phase 3)**
    - As of v2.7.0



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# Highlights & Updates

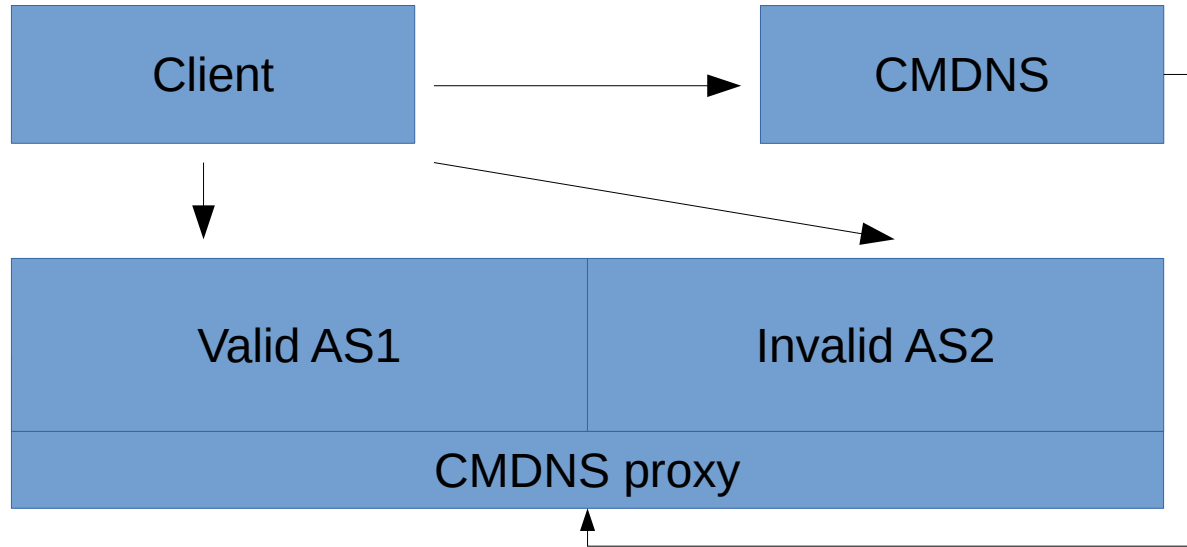
- New/different RPKI origin validation setup
  - Created by Willem Toorop and Jasper den Hertog from NLnet Labs, with help from RIPE NCC
  - ... more on next slides
- dumdohd
- DSC+Grafana crash courses
- Custom modules in dnsjit



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# Old RPKI origin validation setup

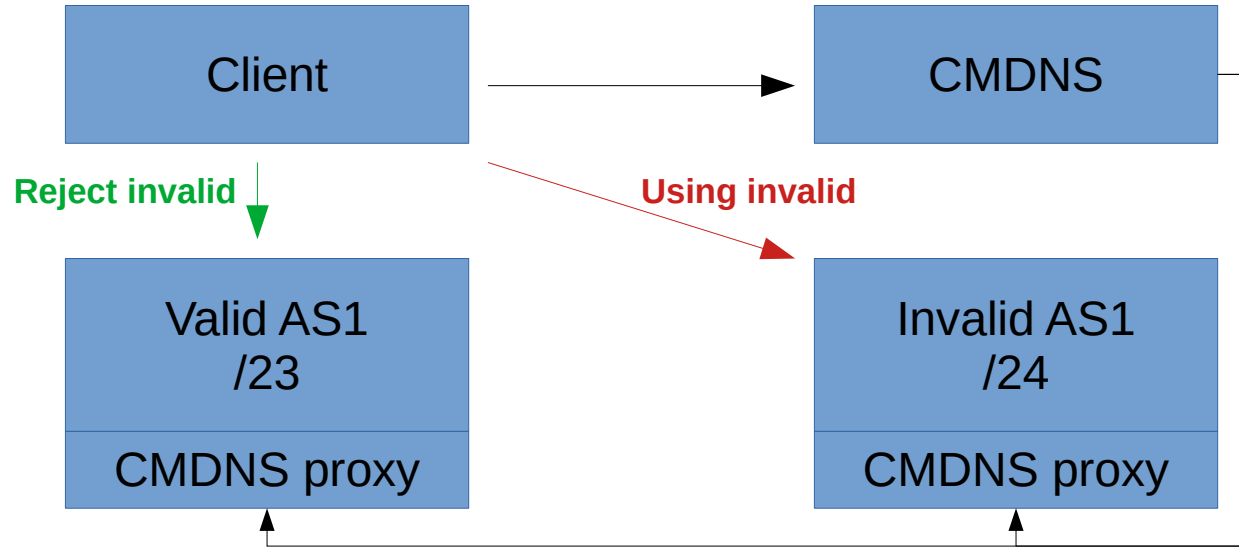


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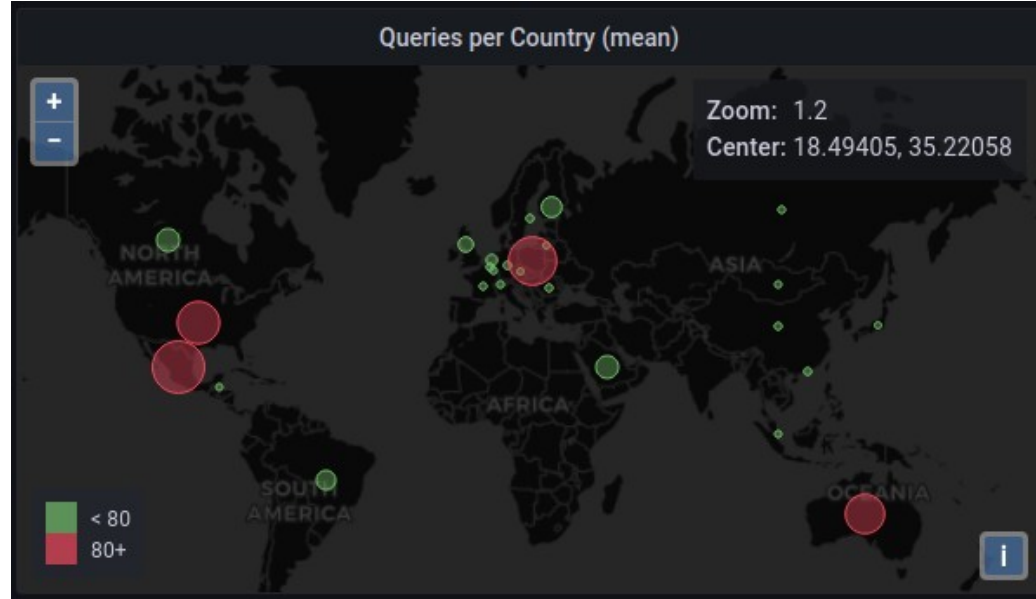
# New RPKI origin validation setup



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# DSC+Grafana Geomap



Instructions on  
[dsc-datatool wiki](#)  
(github)



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Email questions to  
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