



ARIN46 Meeting

14 Oct 2020

Community Grant Report

Keith Mitchell

President

keith@dns-oarc.net

OARC's Mission

The Domain Name System Operations Analysis and Research Center (DNS-OARC) is a non-profit, membership organization that seeks to improve the security, stability, and understanding of the Internet's DNS infrastructure.*

DNS-OARC's mission is to:

- promote and conduct research with operational relevance through data collection and analysis*
- offer useful services and tools*
- build relationships among its community of members*
- facilitate an environment where information can be shared responsibly*
- enable knowledge transfer by organizing open workshops*
- increase public awareness of the DNS's significance*

** including in-addr.arpa !*



DNS-OARC

Domain Name System Operations Analysis and Research Center



OARC's Members



DNS-OARC

Domain Name System Operations Analysis and Research Center

Software Projects

- ARIN grant has funded the development and maintenance of many of our open-source tools:
 - DNSTAP (tinyframe/dnswire), dnsmeter, dnsperf, dnsjit, drool, dsc, dnscap, packetq, DNS Flag Day tester
 - automated package building system completed
 - for testing, measurement, interoperability, performance, telemetry, data gathering/capture
 - helping the DNS be better understood and to work more effectively
- Additional software development funded by OARC Member subscriptions, and other grants & donors



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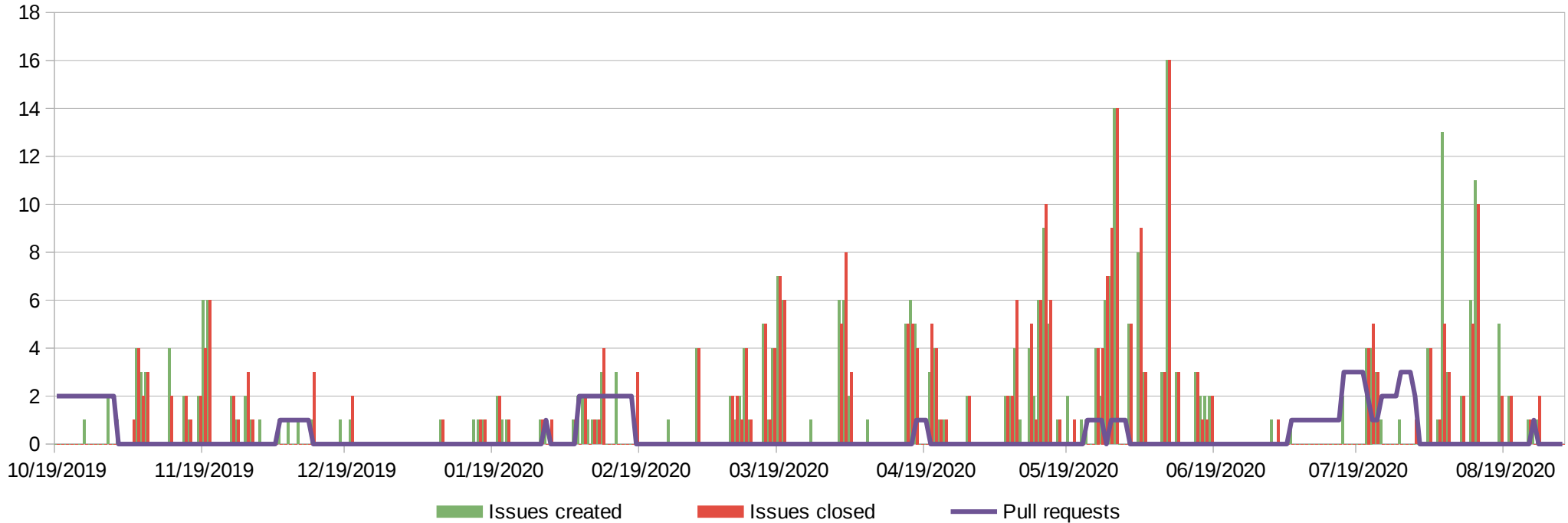
Releases



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Issues and Pull Requests



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More Information



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

- Funding development, licensing policy, links to GitHub project pages and mailing lists
- Contact: Jerry Lundstrom, OARC's Software Engineer, jerry@dns-oarc.net



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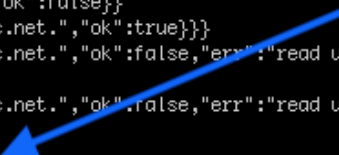
Domain Name System Operations Analysis and Research Center

Check My DNS + RPKI origin validation

cmdns-cli -checks trans_rpkiv4 -res 127.0.0.1:53 -done

```
s_rpkiv4"]}}}  
b9d261rg","name":"RPKI","desc":"TDD0","cat":"transport","score":50}}  
  
j68vsh1429drqgls61pmc80.cmdns.dev.dns-oarc.net.,"ok":false}}  
irri4a16qjfk05jetqgs30.cmdns.dev.dns-oarc.net.,"ok":false}}  
aj3d7bh5nv85ne6e8i1fgs0.cmdns.dev.dns-oarc.net.,"ok":false}}  
"get.gr5aj3d7bh5nv85ne6e8i1fgs0.cmdns.dev.dns-oarc.net.,"ok":true}}  
"get.s45j68vsh1429drqgls61pmc80.cmdns.dev.dns-oarc.net.,"ok":false,"err":"read udp 127.0.0.1:46005-\u003e127.0.0.1:53: i/o timeout"}}  
  
"get.6ppirri4a16qjfk05jetqgs30.cmdns.dev.dns-oarc.net.,"ok":false,"err":"read udp 127.0.0.1:42899-\u003e127.0.0.1:53: i/o timeout"}}  
0}}  
,"msg":"RPKI origin validation enabled between resolver and auth, using both RIPE and ARIN TAL"]}}
```

**Testing whether RPKI OV is enabled
between the DNS resolver & auth!
success!!!**



Thanks to Job Snijders (NTT) for the ROA beacons!



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