

AGM 2023 12 October 2023

Engineering Report

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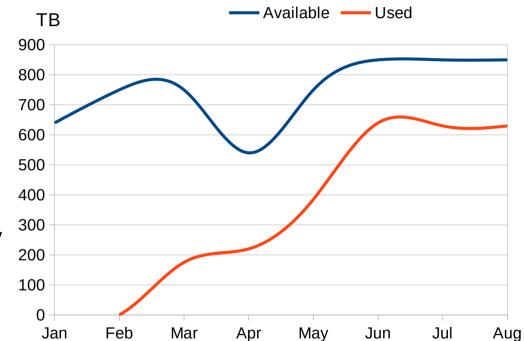
Systems





Ceph Cluster

- NFS copied to Ceph
 - pool9 + DITL 2023 available now
- Adding capacity Q423
- Ongoing data recovery from offline systems







Operations, DITL

- Significant amount of work in datacenters
 - New hardware replacement budget process
- Rolling out config management (Saltstack)
- DITL 2023: 12TB (raw available now)
 - Seeking input from researchers!





MastoDNS.net

- Launched early 2023
- 57 users, 796 statuses, 6431 connections
- Home of @diffroot bot













Routing Improvements

- Configuration cleanup <u>DONE</u>
- Acquire new hardware <u>DONE</u>
- Moving into production mid November!
 - Redundant transit, more peering!!
 - Should solve most of DNSViz IPV6 routing issues!!!





AS112.net

- Completely redeveloped website
 - Modern, device friendly design
 - Operator listing in JSON, support multiple instances
 - Prepped for future enhancements like automated surveys, over-time site statistics to detect issues etc
- Funded by the American Registry for Internet Numbers (ARIN), Community Grant Programme



DNS-OARC



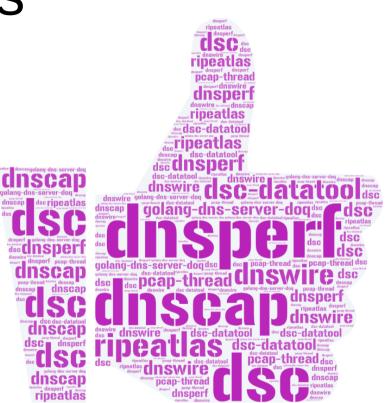






Releases

- 22 open source releases
- 4 Portal releases
- 220+ issues and pull requests
- github.com/DNS-OARC







DSC Grafana + Hackathon







DNS-OARC

Upcoming!

- New project related to DITL data started!
- Build a prototype for processing DITL data:
 - Use modern, extendable Big Data systems
 - Use structured query language for analysis
- Test ready within a year!





Questions?





Contact Info

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