

DNS Operations (DNSOP) Working Group Status

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Note Well

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Agenda

- Agenda Bashing and WG Status (5 min)
- WG Updates
 - DNS Prefetch Performance Data from W.C.A. Wijngaards
 - Call for Adoption:
 - draft-hardaker-dnsop-csync
 - draft-hardaker-dnsop-dnssec-roadblock-avoidance
- Open Items
 - CDS/CDSKEY Discussion, Kumari-Olafur (20 minutes)
 - DS Query Increase, Fujiwara (10 minutes)
 - PCP to update Dynamic DNS, James Huang (10 minutes)
 - AS112 with DNAME, Abley (10 minutes)
 - Remote-Triggered DNS Cache Flushes, Abley (10 min)
 - draft-jabley-dnsop-flush-reqs

Agenda (ctd)

- New Items

- IPv6 Multicast PTR records, Abley (5 min)
 - draft-jabley-multicast-ptr

- Late

- IPv6 reverse prefix delegation, parent zone updates, Hunt/Andrews
 - draft-andrews-dnsop-pd-reverse
 - draft-andrews-dnsop-updating-parent-zones

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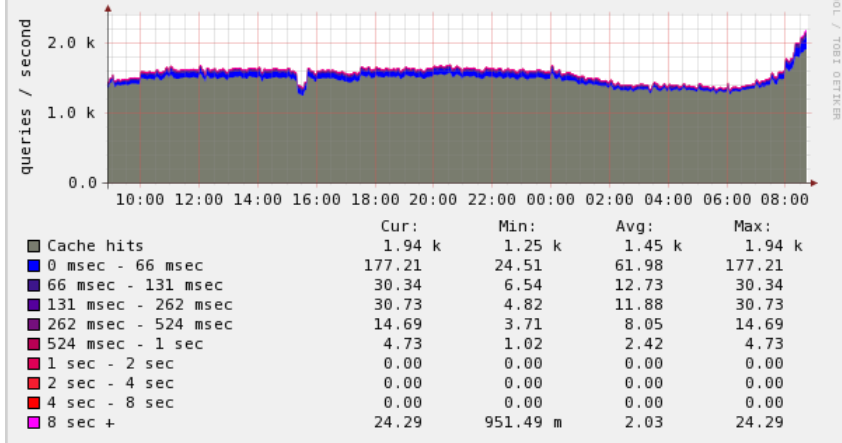
Real Data

- Kindly provided by SURFnet.
- Data from prefetch in a production resolver.
 - Statistics have been graphed with cacti
- With Unbound, “prefetch: yes” in unbound.conf
- The graphs are one-week runs.
- Num.prefetch is 1.5% of total qps, 39 of 2689.6 qps.
(cache hit rate is 84.9%).
- Very little difference

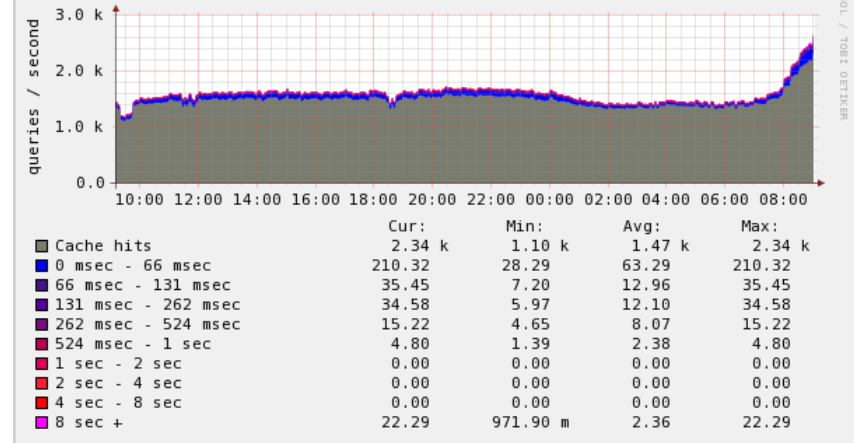
Prefetch:no

Prefetch:yes

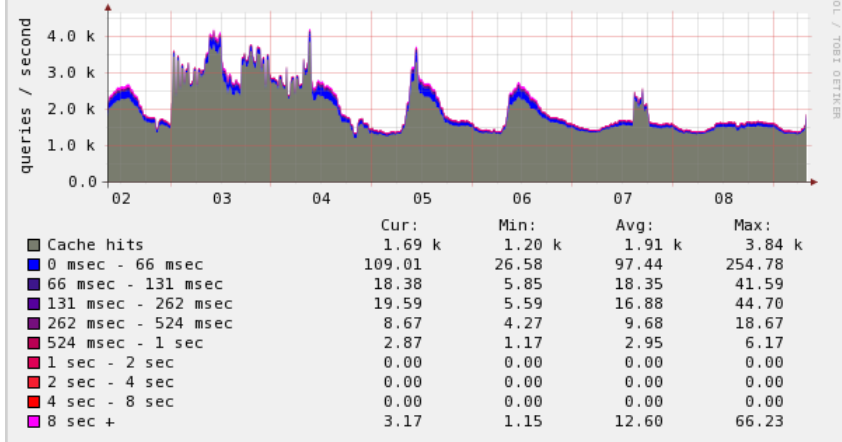
ns0.amsterdam1.surf.net - Unbound DNS - Query resolving times



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