



# DNSSEC in UA – Status Update

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# Test zone UA.UA

- November 8th, 2011
- Zone UA.UA signed, keys in DLV ([dlv.isc.org](http://dlv.isc.org))
- UA has DS record for ua.ua
- Test web site (can use Firefox plugin to verify)

# Zone UA Key Generation Ceremony

- December 2nd, 2011
- Key parameters:
  - RSASHA512 (algorithm 10)
  - KSK bits: 2048
  - ZSK bits: 1024

# DNSSEC Testbed Environment

Test signing environment:

- BIND 9.8
- some shell and Make magic
- FreeBSD with jails
- rsync

# Public server with cloned UA (signed with test key)

- Anycast server: ho1.ua.ua  
195.47.253.17  
2001:67c:258::17
- Test trust anchor:  
ua. IN DS 29019 10 2  
68B5F97978F45398C9C0382161701EA3AB4A882011DCAA4F51888  
00D D58FE2AD
- This is not a production zone, use as your own risk (but all NS records are the same)

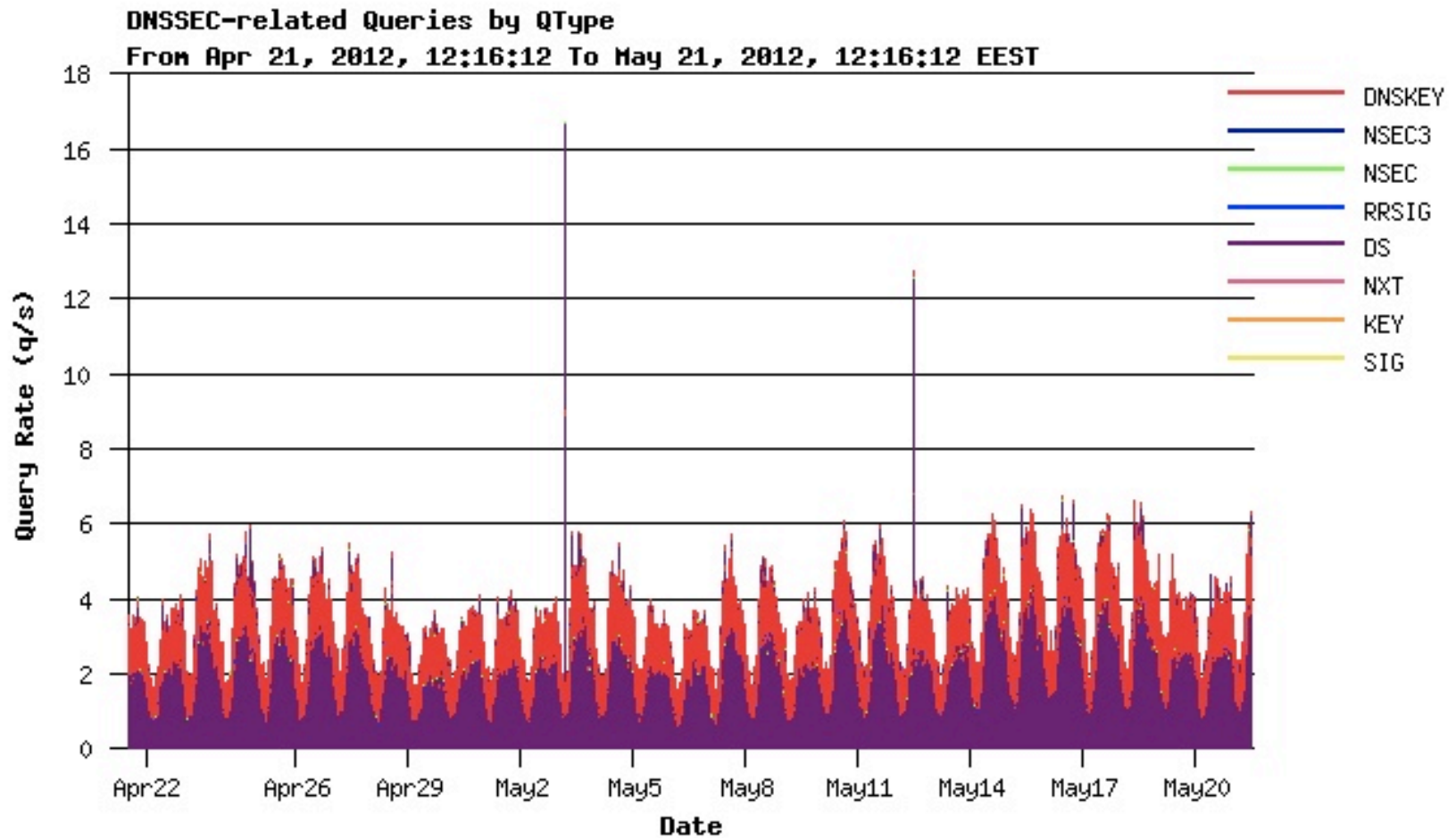
# Public resolver – enabled DNSSEC validation

- Announced February 7th 2012 at Fifth IPv6 Workshop in Kiev
- Code name “Lighthouse”
  - **lh.cctld.ua**
    - 194.44.71.71
    - 2001:7f8:55:7::71
- Uses test authoritative server

# Live Deployment Schedule

- KSK in UA – March 27th 2012
- DS in DLV – March 28th 2012
- DS in Root Zone – April 13th 2012
- DS delegations in UA -- 6 total:
  - ua.ua netassist.ua rovno.ua nic.ua;  
chernovtsy.ua cv.ua (added May21)

# DNSSEC traffic, ho1.ns.ua anycast







# Questions?

[www.hostmaster.ua/dnssec](http://www.hostmaster.ua/dnssec)  
[info@hostmaster.ua](mailto:info@hostmaster.ua)