

Lame Delegations in IN-ADDR.ARPA



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Problem Definition

- ④ Lame delegations exist in IN-ADDR.ARPA
- ④ Additional queries put additional stress and strain on servers
- ④ Generate additional Internet traffic

Policy Proposal 2002-01

- ④ It is proposed that ARIN actively identify lame servers on a regular basis and notify the ARIN point of contact (POC) of their findings. It is further proposed that ARIN monitor the status of those identified lame servers and remove all delegations that remain lame for a period of 30 days.
- ④ <http://www.arin.net/mailinglists/ppml/0466.html>

Suggested Procedure (1)

- ④ Monitor logs for networks having lame delegations – unanswered re-queries
- ④ Networks that consistently have lame delegations will be blacklisted (30 days)
- ④ All blacklisted networks will not have servers listed in zone files
- ④ Notify Network POC of blacklist status

Suggested Procedure (2)

- ④ Name servers will be marked “lame” in Whois display
- ④ Query blacklisted name servers daily (for 150 days) to be reinstated
- ④ Records marked “lame” for 180 days will be removed from the database

Questions (1)

- ④ Should we proceed with implementation?
- ④ How should “lame” be defined? What percentage of the network has to be lame?
- ④ Should we send courtesy email 48 hours before removing from zone file?
- ④ Should we call or send notice via postal mail?

Questions (2)

- ④ Is 30 days long enough to remove from zone file? Not long enough?
- ④ Is 180 days too long to wait to remove from database? Too short?
- ④ Is the term “LAME” enough for Whois?
- ④ Should ARIN establish a blackhole server?