



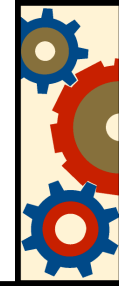
# APNIC DNS Ops SIG report

João Damas

ISC



# Agenda



- Review of action points
- Deprecating ip6.int - [G. Huston \(APNIC\)](#)
- Improving reverse DNS lookup performance - [Kazunori Fujiwara\(JPRS\)](#)
- Lame delegation status report - [Terry Manderson \(APNIC\)](#)
- NS server monitoring - [Olaf Kolkman \(RIPE NCC\)](#)
- DNSSEC: What, where and how - [Olaf Kolkman \(RIPE NCC\)](#)
- ERX activities - [George Michaelson \(APNIC\)](#)
- BIND progress and F-root updates - [Joao Luis Silva Damas \(ISC\)](#)



# Action items



APNIC Secretariat to implement proposal "Lame delegation cleanup revised" (prop-004-v001).

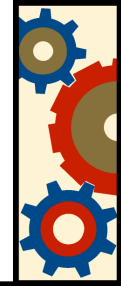
Status: Done.

Proposal implemented 30 September 2004

Terry Manderson (APNIC) to give update later in this session



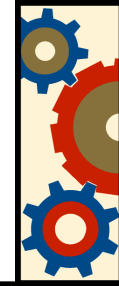
# Deprecating ip6.int



- Draft proposing to make ip6.int not a part of the IPv6 standard by 1 June 2005
- A standards compliant process would not need to support it any longer



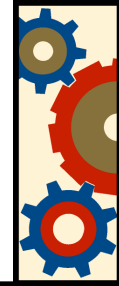
# Improvement of reverse DNS lookups



- Analysis of impact of glue-less delegations in the performance of DNS resolution
- BIND 8 previous to 8.2.7 generates a big amount of queries and times out on the client when it encounters glue-less delegations and the cache can't provide the addresses of the name servers
- Suggestion to include glue in the in-addr.arpa tree (RFC issues)
- Suggestion to keep nameservers used in glue-less delegations in the same part of the tree as the label being queried



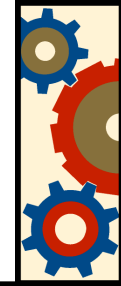
# Lame delegation status report



- Execution of action point on APNIC
- Policy is generally well received by members who are contacted to inform of lameness in their delegations
- Measurable decline in number of lame delegations in the presence of an increasing number of total domains



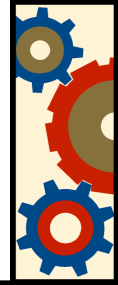
# NS server monitoring



- New RIPE NCC public (but billed) service
- Uses network of distributed probes to collect information on performance of servers
- Reports results in terms of servers, TLDs or probes
- Useful tool for DNS server monitoring
- <http://dnsmon.ripe.net>



# DNSSEC status report

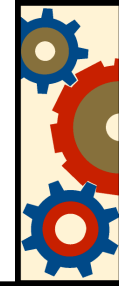


- DNSSEC standard is finally concluded.  
About to be published as RFC
- Usable now
  - Code is available
  - How to's are available
  - Future additions will be backwards compatible
- Try it now for planning roll-out





# ERX activities



- Process closing
  - 2 year process
  - APNIC taking over responsibility over 2 /8s
  - 2337 networks moved between APNIC and other RIRs
  - 192/8 (swamp) special case
  - Space now under APNIC responsibility subject to APNIC policies
  - Big thanks to Cathy Murphy at ARIN for all the work done

