

# DNS Operations SIG Report

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# DNS Operations SIG

- Meeting was held on Thursday, and was well-attended
  - Around 70 people
- A full agenda of informational updates
  - APNIC operational updates
  - Global efforts in IPv6 and DNSSEC extensions to the DNS

# Action Items

- Action dns-16-001
  - Secretariat to implement proposal “Lame delegation cleanup revised” (prop-004-v001)
- Work is proceeding on this action item, and implementation is expected to be complete by the end of September
  - George Michaelson presented
- No new action items.

# APNIC Nameserver Load

- Terry Manderson of APNIC Staff gave an informational update about measurements of APNIC-operated nameservers
  - Master nameservers and slaves
  - APNIC nameserver infrastructure is performing well, and looks to be ready to scale to cope with registration growth and also DNSSEC

# Lame Delegations

- George Michaelson of APNIC Staff presented a summary of the implementation status of lame delegation checking at APNIC
  - Implementation work is largely complete
  - Testing is proceeding
  - System is due to be turned on at the end of September 2004

# DNS Generation System

- Terry Manderson presented a summary of the new zone generation system built for APNIC
  - Database-driven, allowing easy integration with other systems
  - Massive increase in performance (40 minute zone builds reduced to 1 minute)
  - Currently in acceptance testing

# Root Server Coordination

- George Michaelson presented a status report on APNIC coordination work with root server deployment in the region
  - Direct facilitation of APNIC-funded root server deployment is proceeding
  - Coordination with other root server operators for deployments in the region
  - Benefits to local economies for local root servers were discussed

# IPv6 Transport for IN-ADDR.ARPA

- George Michaelson presented an informal analysis on the addition of IPv6 transport for the IN-ADDR.ARPA zone
  - The analysis described risks to the reverse DNS from the introduction of v6 transport, but also substantial benefits
  - Risks to service are considered minimal
  - APNIC already provides IPv6 transport on dual-stack nameservers



# DNSSEC Deployment

- Bill Manning of EP.NET presented a status report for the deployment of DNSSEC in the global DNS
  - Standardisation efforts
  - Roles of ICANN and others in the roll-out
  - Noted that APNIC will have a significant role in key management with members, and with NIRs

# Root Zone IPv6 Glue Records

- Bill Manning presented a discussion about the issues surrounding IPv6 support in the root zone
  - AAAA records for TLD nameservers have been added, and more continue to be added by IANA
  - AAAA records for root nameservers have not yet been added, but there is hope that this will happen soon

# Mailing List

- Use of the DNS-SIG mailing list remains extremely low, although lots of interest in DNS operations is evident from meetings
  - Mailing list remains available, should the community find it useful for discussion or coordination

# Thanks

- Many thanks to the APNIC staff involved in the DNS-SIG meeting, for presentations and for logistics support
- Thanks as well to the non-APNIC presenter