The ARPA zones

NANOG 51
Miami, FL
February 2011

Mehmet Akcin

ICANN

ARPA

- ARPA has been signed since March

    ▸ Expect to add a DS RRSet to the root zone shortly

- E164.ARPA signed by RIPE NCC since 2007

- Other ARPA children, with the exception of IN-ADDR.ARPA have been signed by ICANN since April

- DS RRSets for ARPA children in the ARPA zone since September

Reverse zones

- ICANN and the RIRs have worked together to design a system to allow the RIRs to update DS RRSets in IP6.ARPA and IN-ADDR.ARPA

  ▸ The effort to implement this system is underway now

- The RIRs and ICANN have deployed a new set of nameservers:

  ▸ [A-F].IN-ADDR-SERVERS.ARPA

  ▸ [A-F].IP6-SERVERS.ARPA

IN-ADDR.ARPA

- Currently

  - ▸ Content managed by IANA

  - ▸ Zone edit function carried out by ARIN

  - ▸ Served on the root servers

- Edit function will move to ICANN in Feb 2011

  - ▸ The zone will then be signed

  - ▸ Authority service will move to the new IN-ADDR-SERVERS.ARPA servers

  - ▸ Follow this on http://in-addr-transition.icann.org

IP6.ARPA

- Currently

  - ▸ Served on servers operated by ARIN, APNIC, ICANN, LACNIC and RIPE NCC

  - ▸ Signed since April 2010

- Authority service moved to the new IP6-SERVERS.ARPA in December 2010

Questions?

mehmet@icann.org