IANA Update

Elise Gerich

March 2011

VP of IANA

Agenda

- Addressing
- DNSSEC & the reverse DNS tree
- Communication from NRO

State of the IPv4 pool

The IPv4 pool is now fully allocated – at least at the top level in Feb 2011
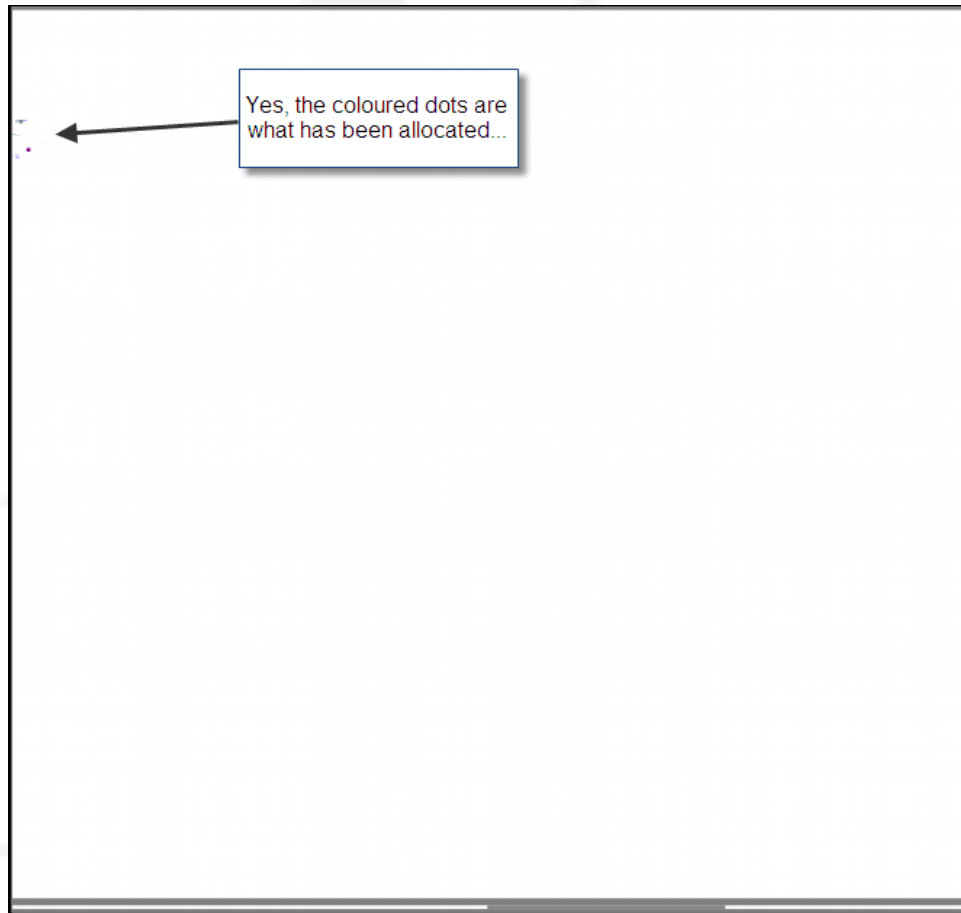
Photo by
Silverstealth

But in IPv6...

We have barely started on the IPv6 address space yet

This is what the RIRs have allocated

Source:
Guillaume Leclanche
v6stuff.leclanche.net

Yes, the coloured dots are what has been allocated...

Reverse zones & DNSSEC (1)

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

- Implementation completed this month

Reverse zones & DNSSEC (2)

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

  - [A-F].IN-ADDR-SERVERS.ARPA

  - [A-F].IP6-SERVERS.ARPA

Reverse zones & DNSSEC (3)

- IN-ADDR.ARPA zone edit function moved from ARIN to ICANN in Feb 2011

- It is moving off the root DNS servers & will be signed in Mar 2011

  http://in-addr-transition.icann.org

Reverse zones & DNSSEC (4)

- IP6.ARPA moved in December 2010 & has been signed since April 2010

Communication with NRO

- Initiation of discussions about single trust anchor for RPKI

- http://www.nro.net/news/letter-to-icann-single-trust-anchor

Thank You

One World

One Internet

Questions