IPv6 Address Allocation Polices

Leo Vegoda
Registration Services Manager

Overview

- General Principle

- Common Policy

- Regional Changes to the Common Policy

- Active Proposals

- Questions

General Principle

- Networks can use the address space they need while they need it

Common Policy

- 1999 Bootstrap Policy replaced by a common IPv6 Policy in May 2002

- Policy requirements

  - RIR membership

  - Not be an end site

  - Plan to provide IPv6 connectivity

  - Plan to make 200+ /48 assignments

- Minimum allocation is /32

Regional Changes to the Common Policy

- AfriNIC

  - Plan for 1 year

  - Make just 1 routing announcement within a year

- APNIC

  - APNIC will make allocations to 'closed' networks

- ARIN

  - Be an ISP or plan to assign at least 200 /48s to others within 5 years

- LACNIC

  - Document the services to be offered

  - Make just 1 routing announcement within a year

  - Offer IPv6 services in the LACNIC region within 2 years

Active Proposals - RIPE

- IP assignments for Anycasting DNS
  - Allow special assignments to TLD nameservers
  - http://www.ripe.net/ripe/policies/proposals/2005-2.html

- IPv6 Initial Allocation
  - Remove requirement to plan to make customer assignments
  - http://www.ripe.net/ripe/policies/proposals/2005-3.html

- Proposal to Amend the IPv6 Assignment and Utilisation Requirement Policy
  - Remove default End Site assignment size and change allocation usage calculation
  - http://www.ripe.net/ripe/policies/proposals/2005-08.html

Active Proposals - Global

Internet Assigned Numbers Authority (IANA) Policy for Allocation of IPv6 Blocks to Regional Internet Registries

- Global Policy proposal for allocations to RIRs from the IANA

- http://www.ripe.net/ripe/policies/proposals/2005-09.html

Questions?