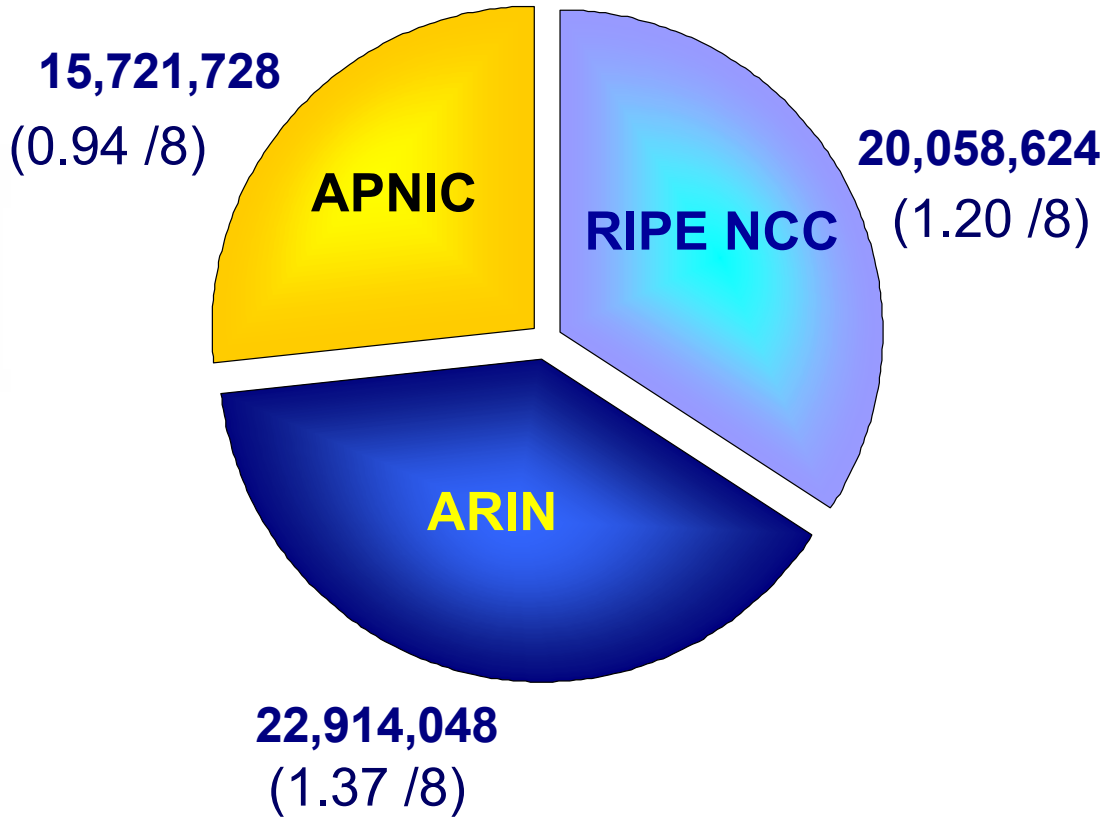
APNIC
ARIN
American Registry for Internet Numbers
Ripe
NCC

RIR Update

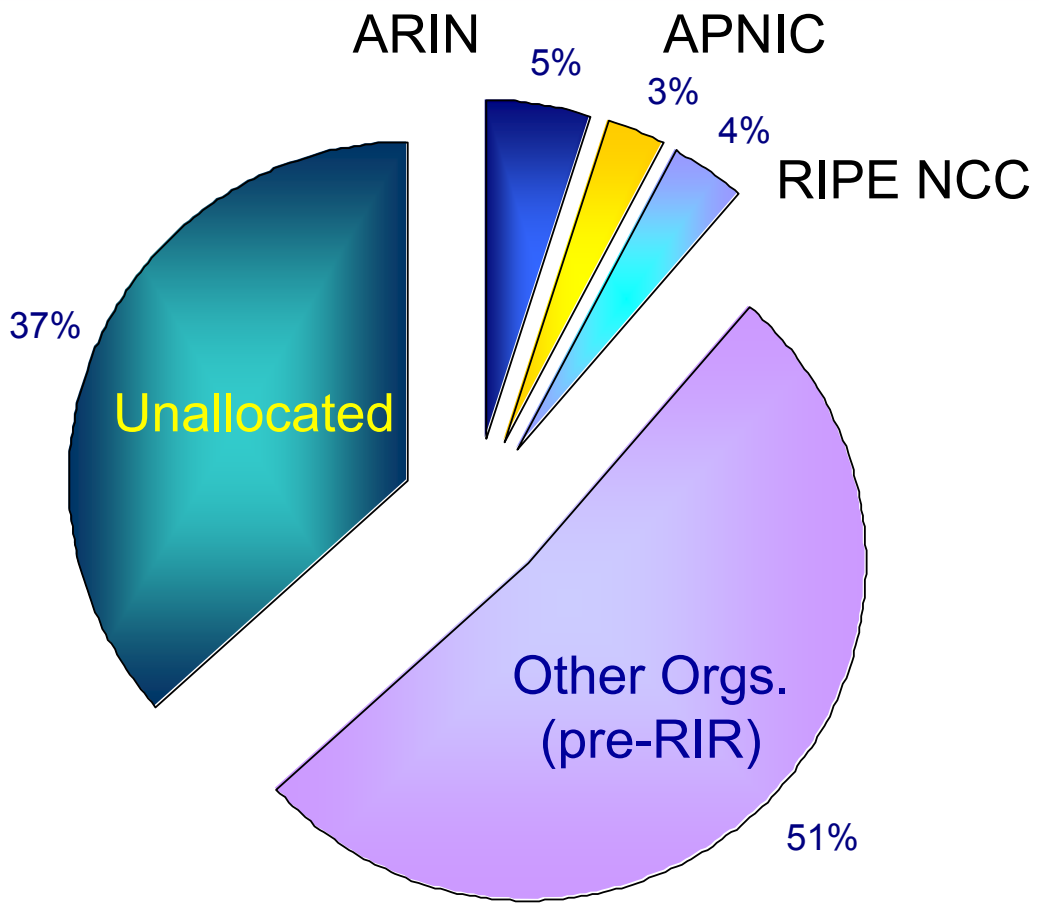
Richard Jimmerson
ARIN

Global IPv4 Allocation 2001*

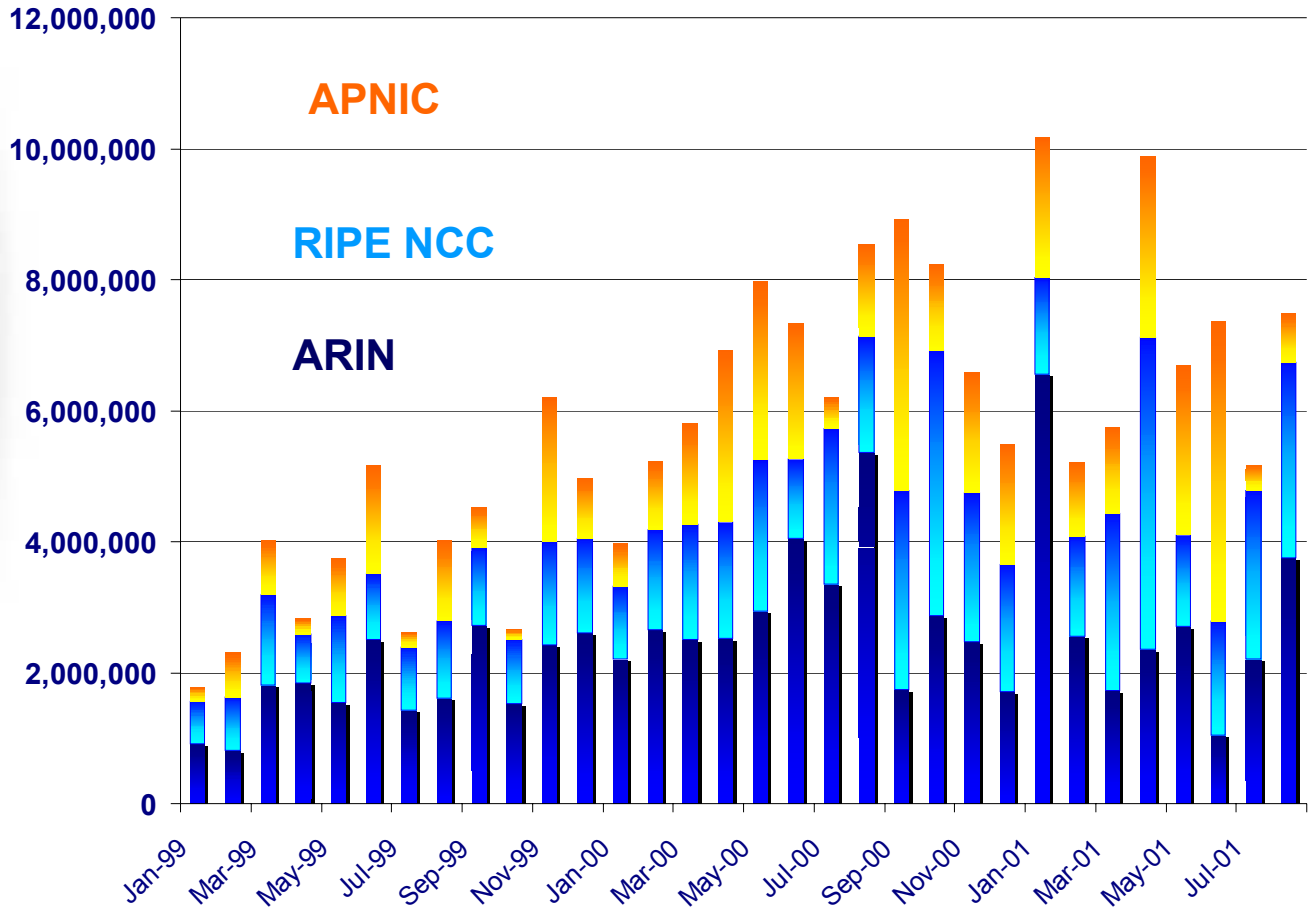
*through September



IANA IPv4 Delegations

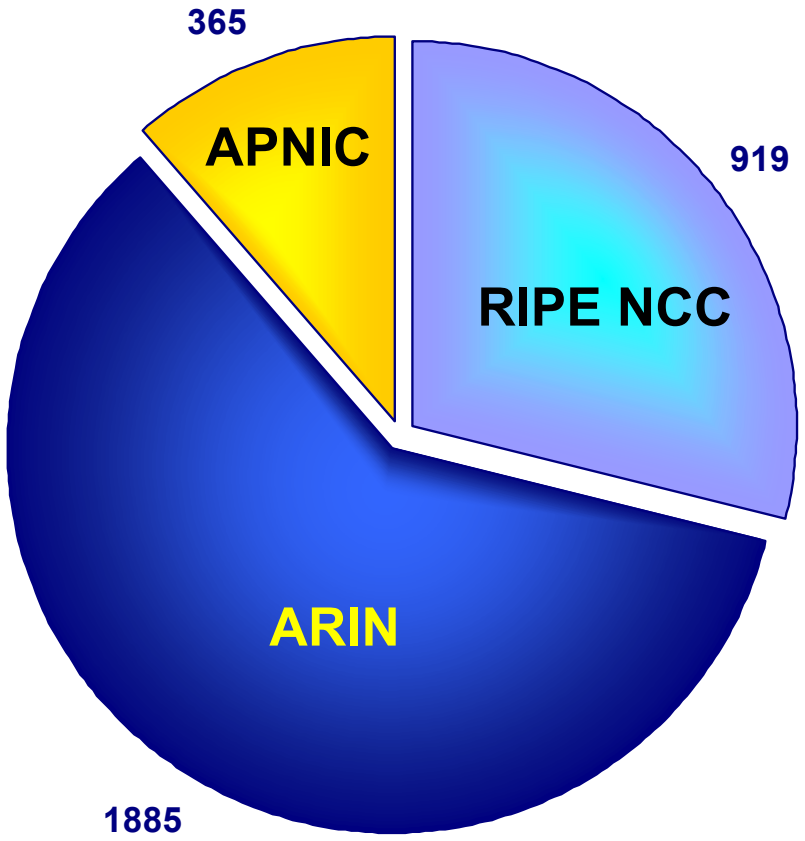


IPv4 Allocation
1999 - 2001

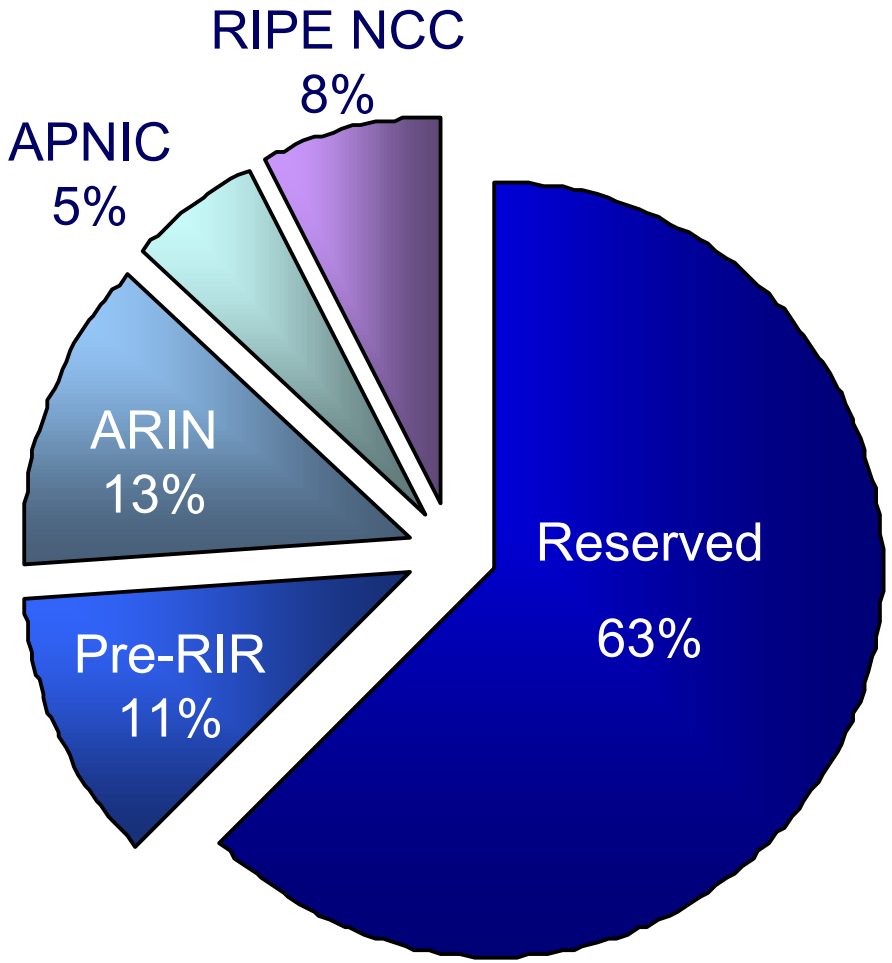


Global AS Number Distribution 2001*

*through September



IANA AS Number Delegations



AS Number Assignments
1999 - 2001

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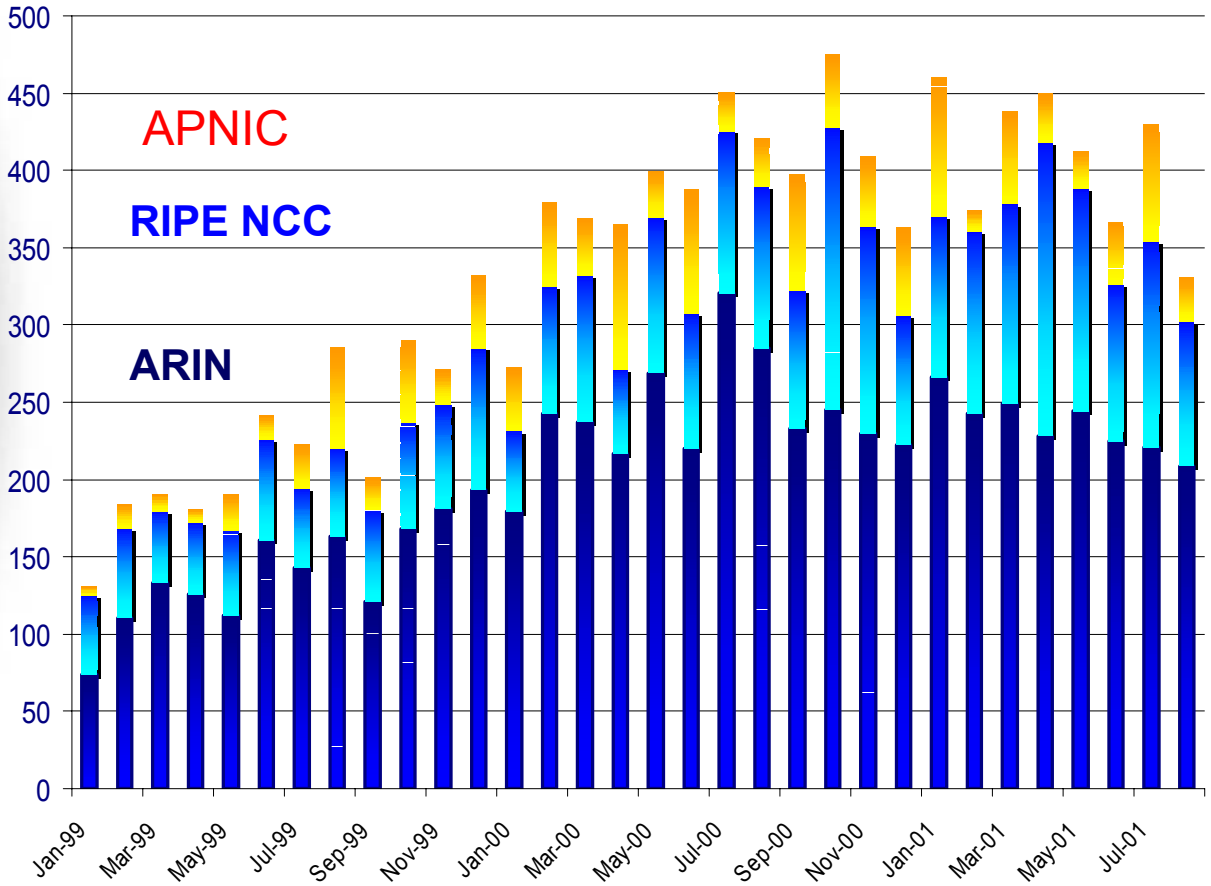
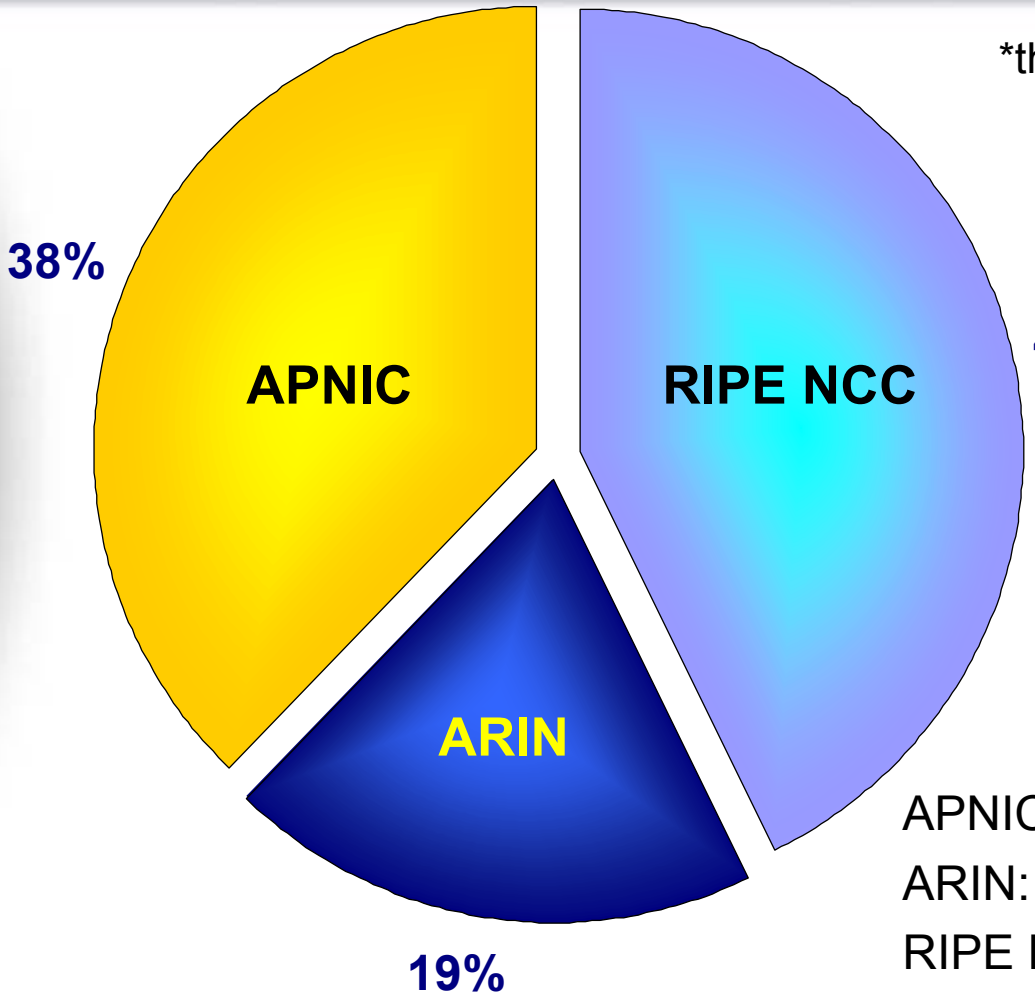


Global IPv6 Distribution*



*through October

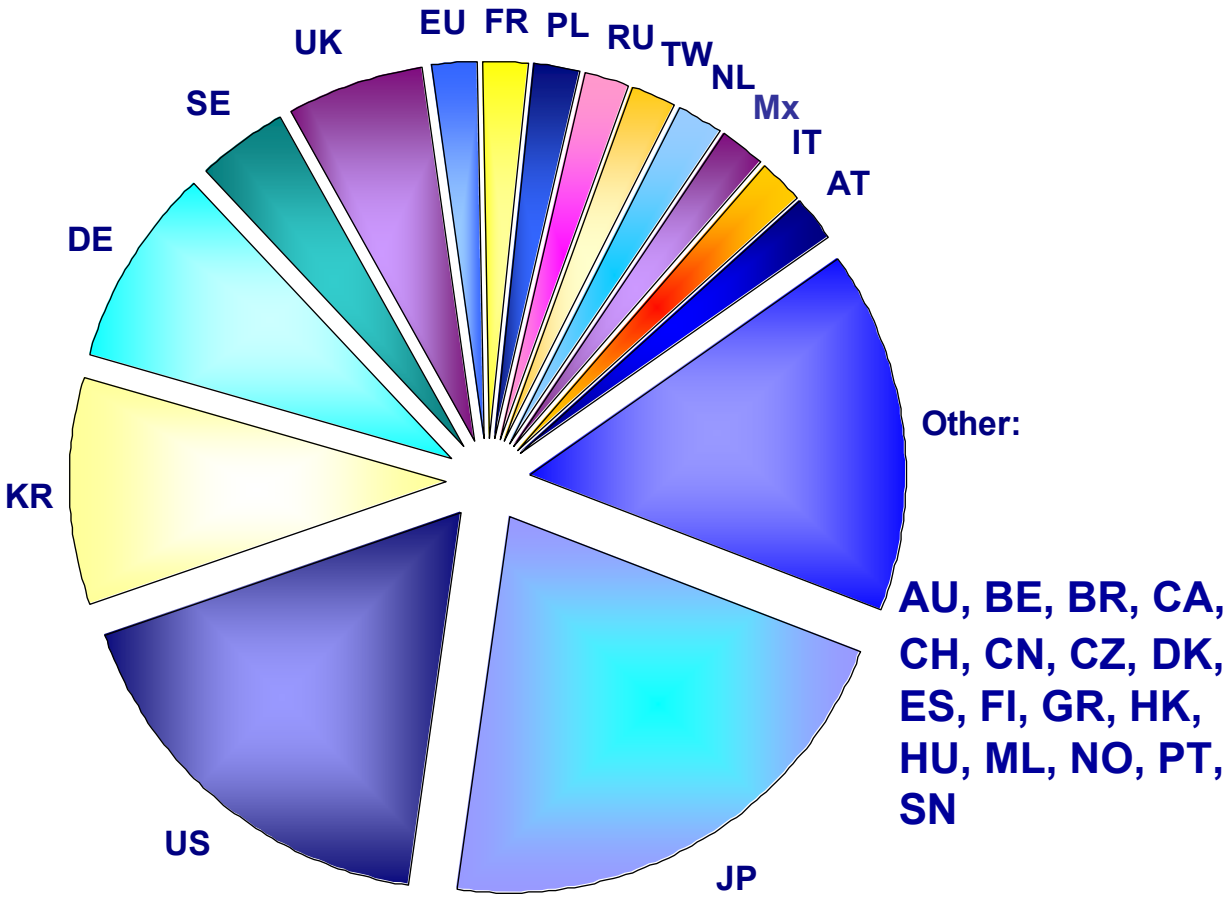
APNIC: 39
ARIN: 20
RIPE NCC: 44
Total: 103

Global IPv6 Distribution

APNIC

ARIN
American Registry for Internet Numbers

RipeNCC



IPv6 Allocations

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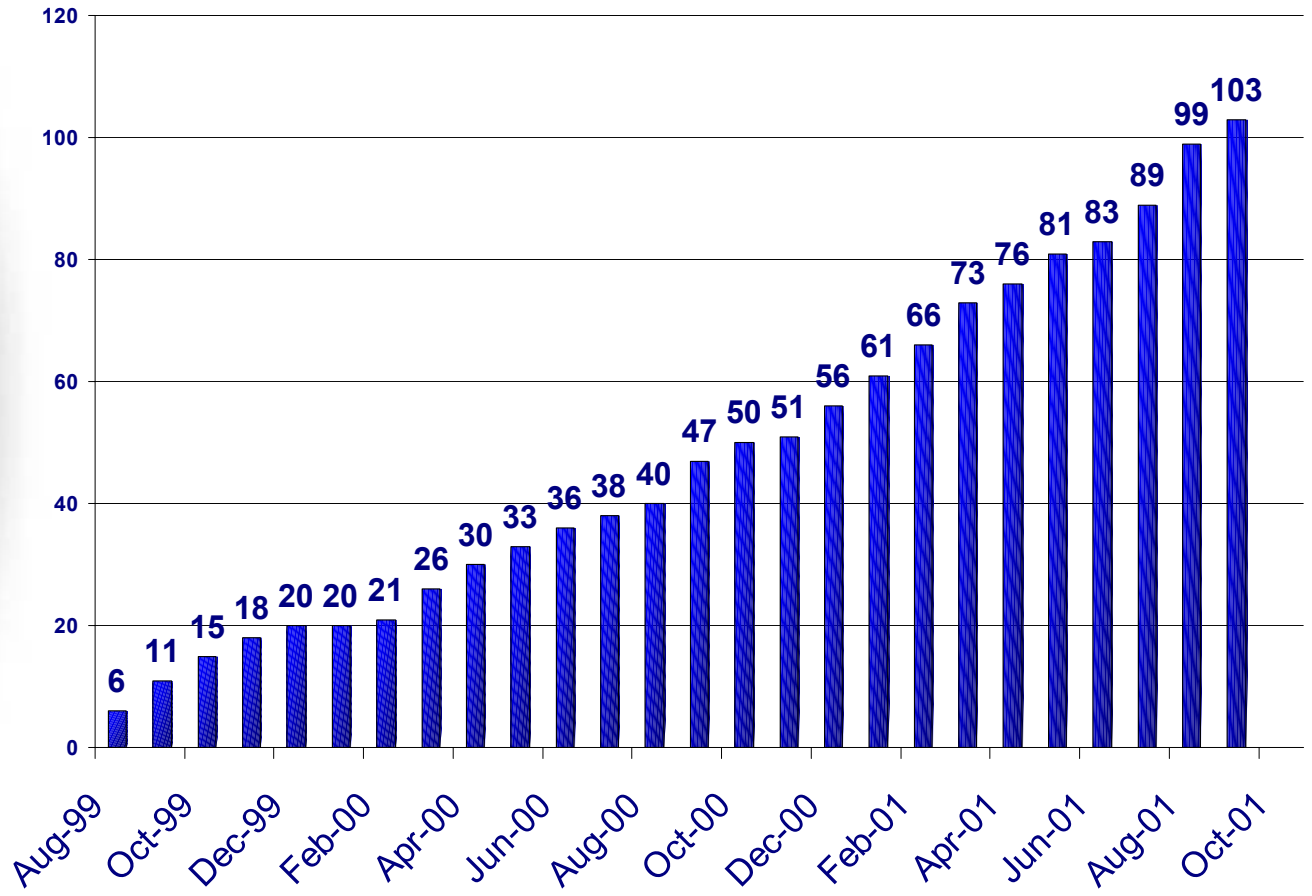

IPv6 Policy

- Common policy draft discussed in all three regions
  - IPv6 working group chairs finalizing new draft for discussion
    - Global IPv6 mailing list
    - Upcoming RIR policy meetings
- Bootstrap phase extended
- Global assignment policy for IXPs

RIR Coordination

- Operational coordination
- IPv6 policy
- RFC 2050 evaluation
- Early registration transfer project
- Statistics
- Joint presentations & articles

Outreach

- Objectives
  - Raise awareness
  - Promote industry self-regulation
- Activities
  - Meeting with
    - government representatives
    - industry groups
  - Conducting training
  - Newsletters

ICANN ASO

- ASO AC Election Results
  - Dr. Kenny S. Huang - APNIC region
  - Eric Decker - ARIN region
  - Hans Petter Holen - RIPE NCC region
- Secretariat
  - APNIC – 2000
  - RIPE NCC – 2001
  - ARIN - 2002

Emerging RIRs

- LACNIC
  - ARIN visited LACNIC facilities in April 2001
  - Transition plan meeting at ARIN (July 2001)
    - Training of LACNIC staff ongoing
  - Open policy meeting November 2001
    - RIR application submitted to ICANN
- AfriNIC
  - Open policy meeting held in May 2001 at Accra, Ghana
  - Interim BoT meeting scheduled for January in Cairo

Open Policy Meetings

- APNIC
  - In conjunction with APRICOT 4 – 7 March 2002, Bangkok
- ARIN
  - ARIN IX (Las Vegas) 7 – 10 April 2002 (tentative)
- RIPE
  - RIPE 42 (Amsterdam) 14 – 18 January 2002
  - RIPE 43 (Amsterdam) 29 April – 3 May 2002
  - RIPE 44 (Rhodes) 9 – 13 September 2002

RIR Specifics

APNIC

- Certification authority
  - Member-only website under development
    - Demo at APNIC meeting
- Recently allocated 219/8 and 220/8
- RIR routing registry
  - Pilot Service – irr.apnic.net
  - Mirrors of RADB, RIPE data
- Second member survey
  - Undertaken by KPMG
  - Extensive consultation in region
- Policy
  - Small PI assignments for multi-homing
  - Proposal for portable allocation criteria

ARIN

- Improved/updated RWHOIS
  beta testing underway
- New database schema and registration software (Q2 2002) – beta testers needed
- IN-ADDR.ARPA
  - /8 servers operational
  - migration of /8s complete
- ARIN BoT and AC elections held
- Policy
  - /24 reassignments for multi-homed customers
  - Bulk copies of ARIN WHOIS database
  - Single orgs with multiple aggregation points

RIPE NCC

- Database migration completed
- RS improved
  - Staffing level significantly increased
  - Different prioritizing (requests > questions)
  - Improved response time
- PR activities enhanced

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Questions?