RIPE NCC Status Report at

ARIN X

Who's Who?

- Axel Pawlik – Managing Director

- Jochem de Ruig – Chief Financial Officer

- Paul Rendek – Communications Manager

- Mirjam Kühne – Director of External Relations

- Andrei Robachevsky – Chief Technical Officer

Registration Activities (1)

- Number of LIRs
  - Growth slowing for new members
  - Industry consolidation

- New IPv6 requests since 1 July 2002
  - 40 New IPv6 Allocations
  - 34 /35s expanded to /32
    - http://www.ripe.net/ipv6/ipv6allocs.html
  - 26 /32s delegated in ip6.arpa

Registration Activities (2)

- Secure Member Web Portal
  - Beta launched at RIPE 43, in September
  - Planned to be an official service during Q1, 2003

- New robot for hostmaster@ripe.net built

- All outgoing Hostmaster mail PGP signed

- New membership procedure from September
  - Faster and easier

Registration Services (3)

- Early Registration Transfer Project
  - ASNs began 21 August 2002 and now complete
  - Close co-ordination with ARIN
  - Preparing for IPv4 transfer
  - Task Force set up to get input from registrants

- e164.arpa delegation (ENUM)
  - ITU is responsible for authorising delegations
  - RIPE NCC runs DNS on behalf of IAB/IETF
  - 13 delegations to date

RIPE 43 Policy Update

- Temporary assignments for Internet experiments
  - Accepted
  - RIPE NCC to prepare a draft policy text for inclusion in IPv4, IPv6 and ASN policy docs

- Sub-Allocation proposal
  - Accepted
  - RIPE NCC to prepare draft implementation plan

- ASN Policy
  - No change to policy
  - Community agrees there is no realistic way to check for "multi-homing" of an ASN

Documentation Renewal

- All IPv4 and IPv6 documentation renewed

- DB Operation Manual
  - Separate HOWTO shipped with the distribution
  - Finally: Installation, configuration and maintenance guide

- DB User Manual
  - "Getting Started" written in co-operation with APNIC
 - Final phase in progress

Training Activities

- ## LIR Training courses
    - 60% increase in courses given since 2000
    - est. ~1900 people trained
    - 75–85 Courses planned for 2003

- ## DNS Sec Training Courses
    - 4 given in Q4 2002
    - ~10 planned for 2003

- ## Routing Registry for LIRs
    - Currently being developed
    - ~10 planned for 2003

Database Statistics

- 1.6 M Objects
- Query Rate 18/sec
  70% IP
  20% domain
- Update Rate 2/min
  60 % IP
  25 % person
  10 % domain

Pie chart:
- route 2%
- domain 10%
- inetnum 40%
- person 48%
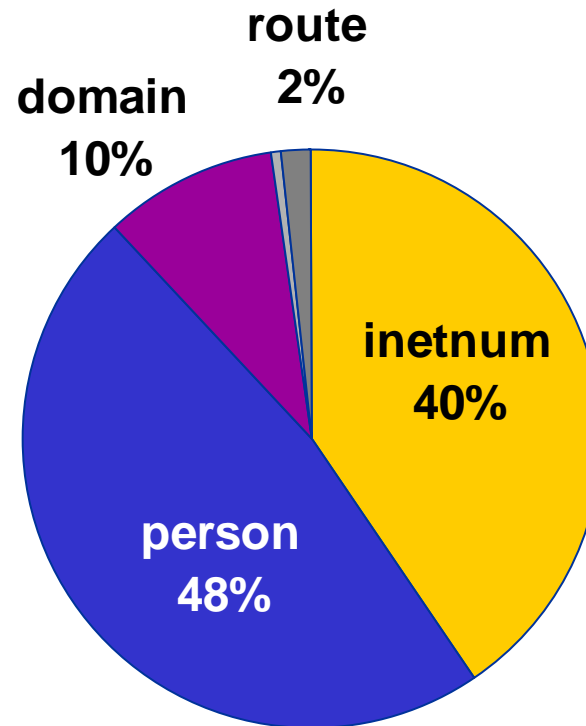
Database Developments (1)

- Security developments
  - New MD5-PW authentication scheme
  - MAIL-FROM auth no longer available
  - IRT object representing CSIRT

- Routing Registry
  - RRCC is fully functional
    http://www.ripe.net/db/rrcc
  - IRRToolSet support
    http://www.ripe.net/db/irrtoolset
  - latest release available on our ftp site

Database Developments (2)

- New prototypes
  - Interactive updates

    http://www.ripe.net/db/syncupdates

    https://syncupdates-test.ripe.net
  - User friendly web interface for updates

    https://webupdates-test.ripe.net
  - Moving to production soon

Database Plans

- Further improvement of server software
  - Error reporting
  - Performance
  - Configuration management

- New features
  - Support for authorisation checks across multiple registries
  - IPv6 and multicast support in the RR
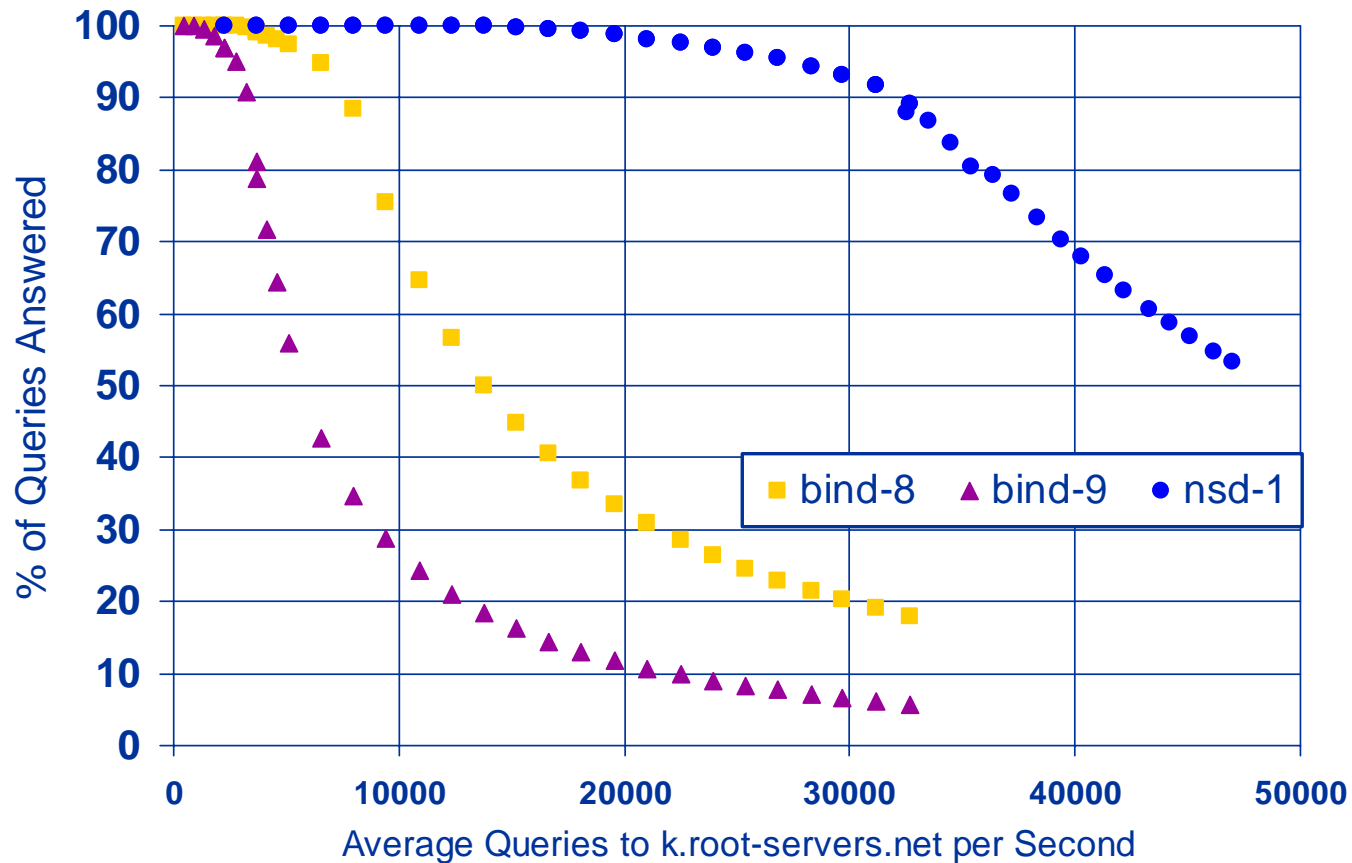 - Automatic database clean-up

New Projects (1)

- **Test Traffic Measurements**
  - Version using CDMA instead of GPS as a clock source
  - Full IPv6 support

- **Routing Information Service (RIS)**
  - BGP beacons (Flapping statistics)
  - AS112 blackhole server

- **DNS Sec getting ready for deployment**
  - Protocol and tool development
  - Implementation testing
  - Plan to offer DNS Sec on reverse tree as a service by Mid 2003
  - Signing procedure will run in parallel with existing delegation procedure

New Projects (2)

- NSD – Authoritative Only Nameserver
- http://www.nlnetlabs.nl/nsd/

A scatter plot titled with axes "% of Queries Answered" (y-axis, 0 to 100) and "Average Queries to k.root-servers.net per Second" (x-axis, 0 to 50000). Legend: bind-8, bind-9, nsd-1.

Communications

- 2nd RIPE NCC Member Survey
  - Conducted Sept. – Nov. 2002 by independent org.
  - http://www.ripe.net/survey2002/

- Focus on direct Membership needs

- Annual Report 2001 – published
  - http://www.ripe.net/ripe/docs/ar2001.html

RIPE NCC Priorities

- Respond to members' needs and lead development in Internet infrastructure

- See all y'all at **RIPE 44** in Amsterdam, next January

Questions?