



RIPE NCC Update





Overview

- Update
- Survey Considerations
- Vision & Strategy 2006
 - Towards an Activity Plan for next year
- Thoughts about Activities

The Mission Statement

"The mission of the RIPE NCC is to perform activities for the benefit of the membership; primarily activities that the members need to organise as a group, although they may be competing with each other in other areas.

While an activity may result in services being provided to an individual member, performing the activity as a whole must benefit the RIPE NCC membership as a group."



But first things first...

Member Service Center

... is running out of members to serve!



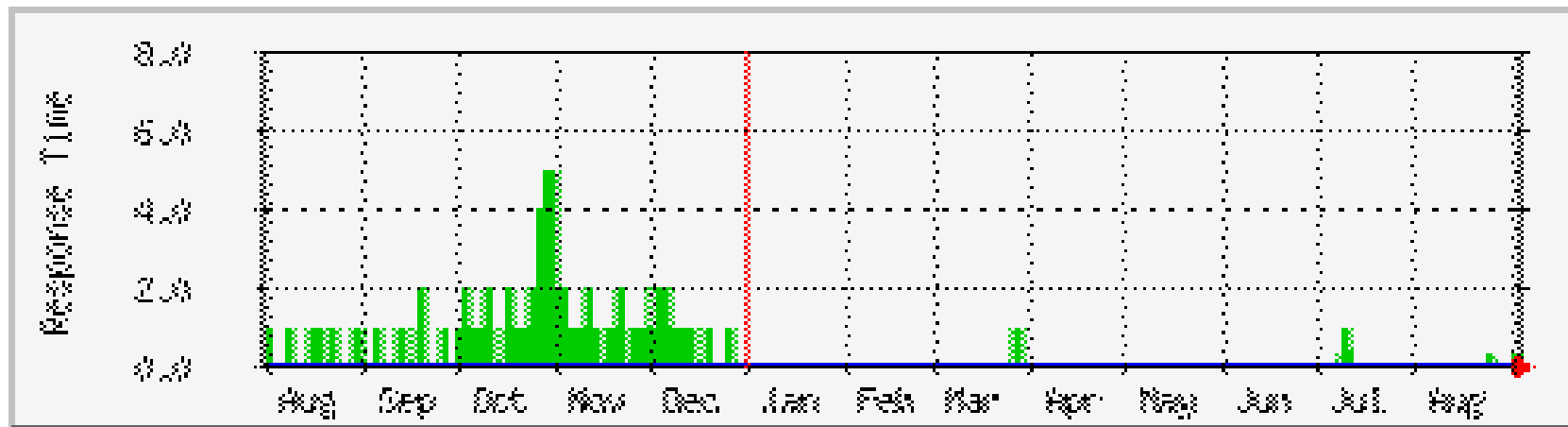
Registration Services (1)

- Documentation update
 - Improving clarity of English in all request forms and supporting notes
 - First couple are released
- Data Integrity
 - Preparing for move to new internal registration Database
 - Requesting the return of unused address space
- LIR Portal
 - Encouraging activation (92% of members have account)



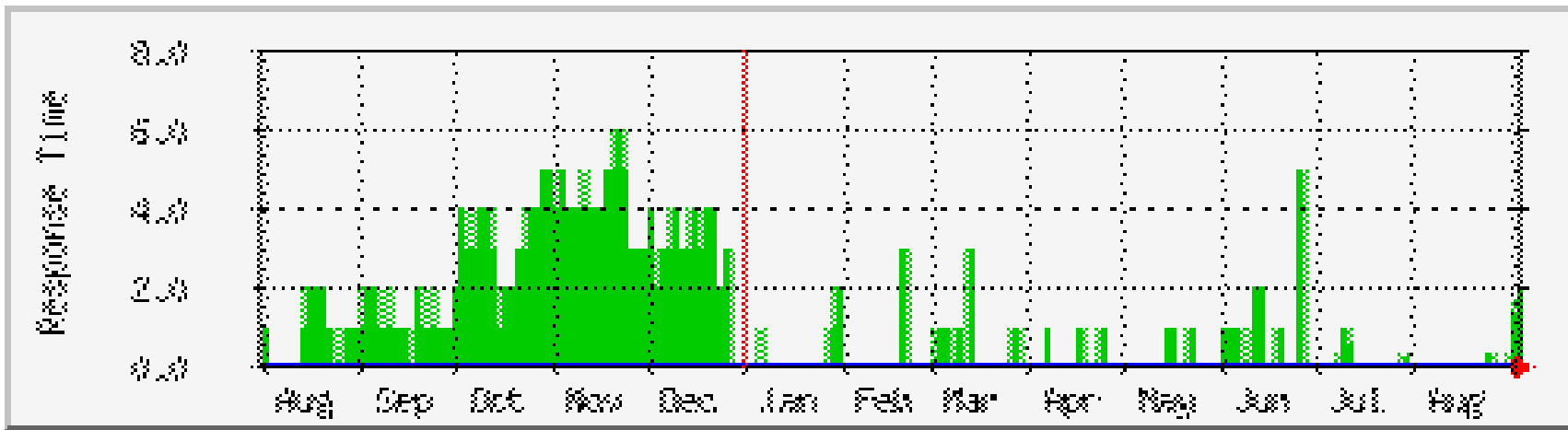
Registration Services (2)

- Request Handling
 - Request numbers: steady
 - Faster response times in 2005
 - `hostmaster@ripe.net`



LIR-help

New Year Resolution successful...



Training

- Update and Announcement by Rummy following...



K rootserver

- K Root
 - 16 mirror instances deployed.
 - 4 globally visible, 12 locally visible
 - Since RIPE50:
 - APNIC Brisbane, NAP of the Americas Miami, NIXI Delhi.
 - Initial goal (deploying several “local” instances) is achieved.
- Studies of the impact on anycast on root server performance
 - Collaboration with CAIDA, ISC and others
 - Aim to better understand the effects of deploying anycast nodes
 - Come up with recommendations where to install additional nodes.
- After analysis possibly another phase of deployment



Test Traffic Measurements

- Established service, network still growing
- New work areas:
 - OWAMP towards Interoperability
(One Way Active Measurement Protocol)
 - Better time-stamping
- Possible new work item:
Measurements to end user sites
 - Discussion started at RIPE 50
 - Continued at RIPE 51

DNSMON

- Service to monitor TLD and root servers
- Production service since March 2005
- 14 TLDs participate
- Costs shared between participating TLDs
- Improving the service based on user feedback



DNS infrastructure evolution

- Ongoing improvement zone distribution and checks
- Ongoing functional split across servers for all zones
- Ongoing migration of zones onto appropriate nameservers
- In preparation for DNSSEC deployment, www.ripe.net is now signed

DNSSEC

- DNSSEC specifications finished this spring
- RIPE NCC started deployment
 - Forward zones are now signed
 - Working on reverse zones
 - Working on secure delegations
- Except to finish this project early Q4/2005
- DNSSEC implemented on all RIPE NCC DNS services

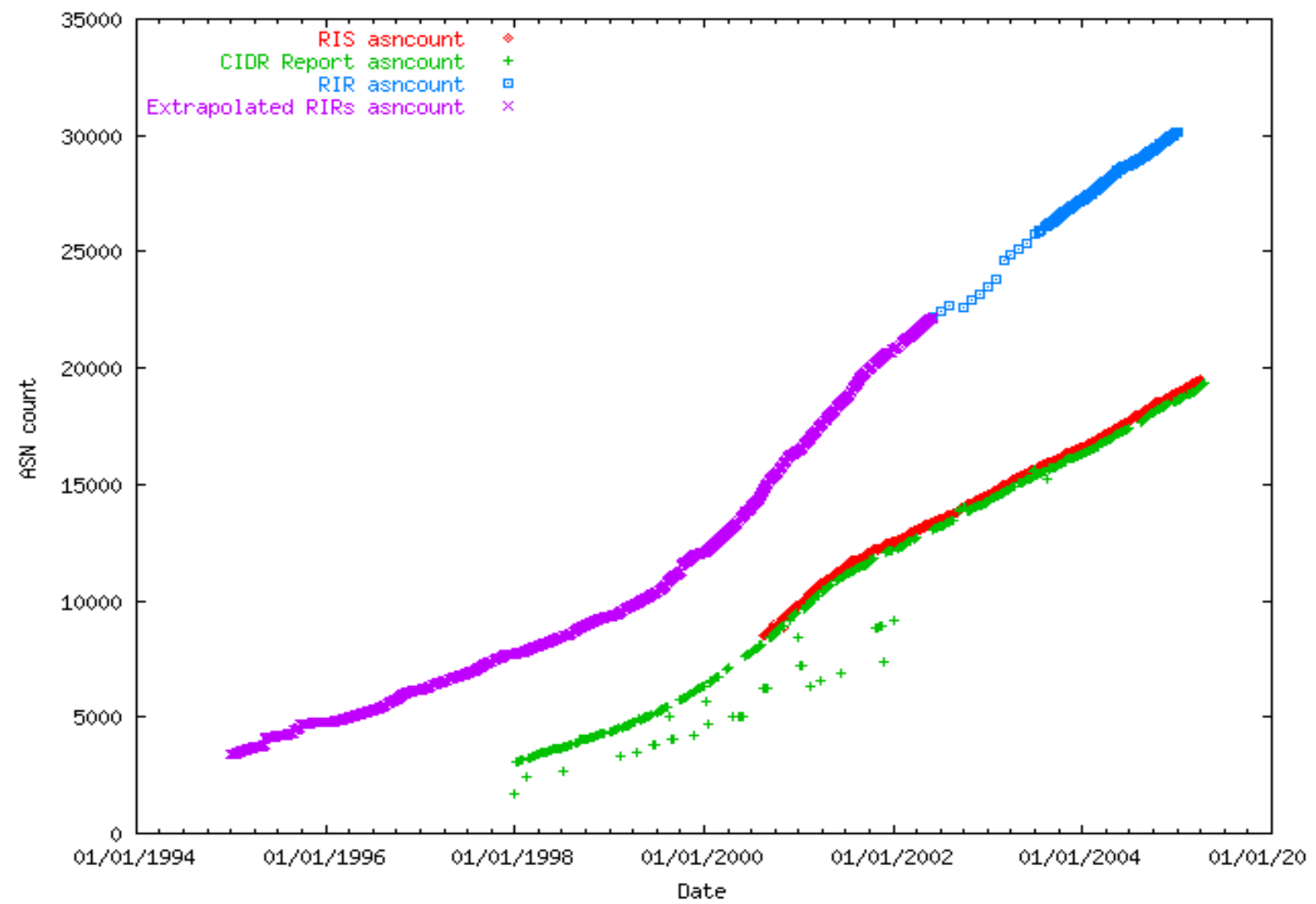
RIS

- Performance
 - Change underway in RIS database to improve timeliness of routing data
- Result of 2004 Moscow Regional Meeting:
 - Route Collector installed in Moscow
 - Please set up peerings
- Staff available to discuss peerings and show what can be done with the output

Statistics collection

- Collect statistical information on the Internet
- Target audience: policy makers, operators and many more
- Example: hostcount
- Example: ASN-MIA studies
 - Number of ASN seen on the Internet
 - We will run out of 16 bit ASN in 2013-2016
 - Community should start to think about deploying four byte AS

ASN MIA





New “New Projects”

- Talk to us about possible new activities and projects
- RIPE NCC is ready and able to react to suggestions from the community

Replacement of Systems

- Pre-historic PABX to be replaced by VoIP solution
 - Final negotiations with suppliers are closing
 - Replacement scheduled early November 2005
- Network equipment replacement
 - Network of the RIPE NCC will be improved and be more secure
 - Completion scheduled early December 2005
- Mail improvements
 - Mail systems will be replaced by a more scalable and reliable setup.
 - Completion scheduled October 2005
- Ticketing System
 - Uniform system for all aspects of RIPE NCC
 - Completion scheduled for end of 2005

Software Engineering

- Payment systems integrated with TripleDeal
 - More flexibility in payment method
 - Immediate resolution of payments
 - LIR invoicing
 - RIPE Meeting registrations
- Whois database
 - Abuse changes
(improved ability to report and find abuse contacts)
 - RPSLng
(IPv6 and multicast support for routing registry)
 - CRISP/IRIS prototype server being put into production

RIR Coordination

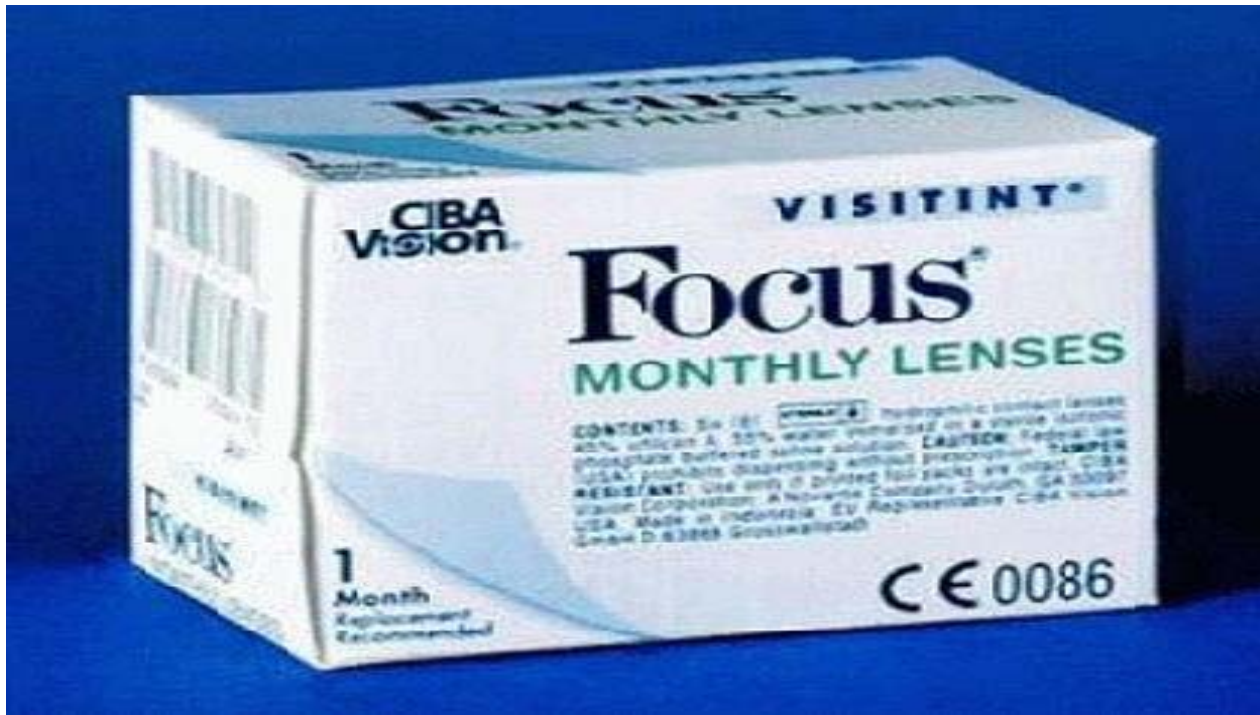
- Working together in Number Resource Organisation (NRO)
 - ICANN issues
 - WSIS
 - Engineering & Communications Coordination
- Ongoing Hosting of computing facilities for NRO / ASO secretariat
- Training, Outreach, External Relations

Member Survey

Possible Improvements / Food for Thought

- Email requests not being answered in a timely fashion / lost in ticketing system
- Email only contact a barrier to service
- Multi-language support + core documentation
- More Training Courses / introduce CBT / improve course material – more practical and hands-on
- RS online tools are: not known / not reliable / not user friendly
- Too much documentation – hard to follow
- Better promotion of current services portfolio
- Best practices with regards to Registration Services

Vision and Focus 2006



Background Strategy

The mission of the RIPE NCC is to perform activities for the benefit of the membership; primarily activities that the members need to organise as a group, although they may be competing with each other in other areas.

While an activity may result in services being provided to an individual member, performing the activity as a whole must benefit the RIPE NCC membership as a group.

- Activities based on Community Input
- Improvement of Registration Process Quality / Data
- Overall Service Quality Improvements
 - Resilience
 - User-Interfaces
 - Value to Operators and Community
- Security of Provision Processes
- Securing Ongoing Support for Self-Regulation

Concrete Focal Points

- Better Registration
 - Improving Consistency / Robustness of Resource Distribution
 - Improve Accuracy, Consistency, Completeness of Public Registration Data
- High Quality Services
 - Continued Improvement of Back-Office
 - Careful Establishment of Member Service Desk
- Security of Internal IT Infrastructure / Services

New Activities 2006



- Just one, this time, really...
- Support for Routing Security:
 - Registration Data Improvement
 - Support / Coordinate Introduction of New Technologies
 - Design / Plan Implementation of Certification
 - Supported by Community Dialogue
- Unforeseen Activities



Introducing New Activities

... or stopping old ones

- The mission of the RIPE NCC is to perform activities for the benefit of the membership; primarily activities that the members need to organise as a group, although they may be competing with each other in other areas.
 - **Problem Statement**
 - **Concern about competition by RIPE NCC**
 - **Perceived lack of information about activities**
- While an activity may result in services being provided to an individual member, performing the activity as a whole must benefit the RIPE NCC membership as a group.
 - Start / Stop
 - Reporting
 - Resource Use
- Type of activities concerned
 - Resource use, “weight”, “significance”
 - Commercial value to members / community
 - Previously unpublicised, e.g. in Activity Plan
- Trade-Offs
 - Flexibility vs. Tight Coupling

Outlook 2006

- Stability in current services
- Improvement of current services
- Focus on security
 - Prepare for Certification of Resources
 - Prepare for Routing Security
- Continued Outreach / External Relations
 - Information, Education, Cooperation
 - WSIS and beyond
 - To promote Bottom-Up Industry Self-Regulation



RIPE NCC General Meeting

- Thursday, 13 October, 1700, St. Johns II
- Reporting
- Planning for 2006
 - Activities
 - Budget
- Formal Approval of Charging Scheme 2006

- All Members welcome!



<http://www.ripe.net/presentations>