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
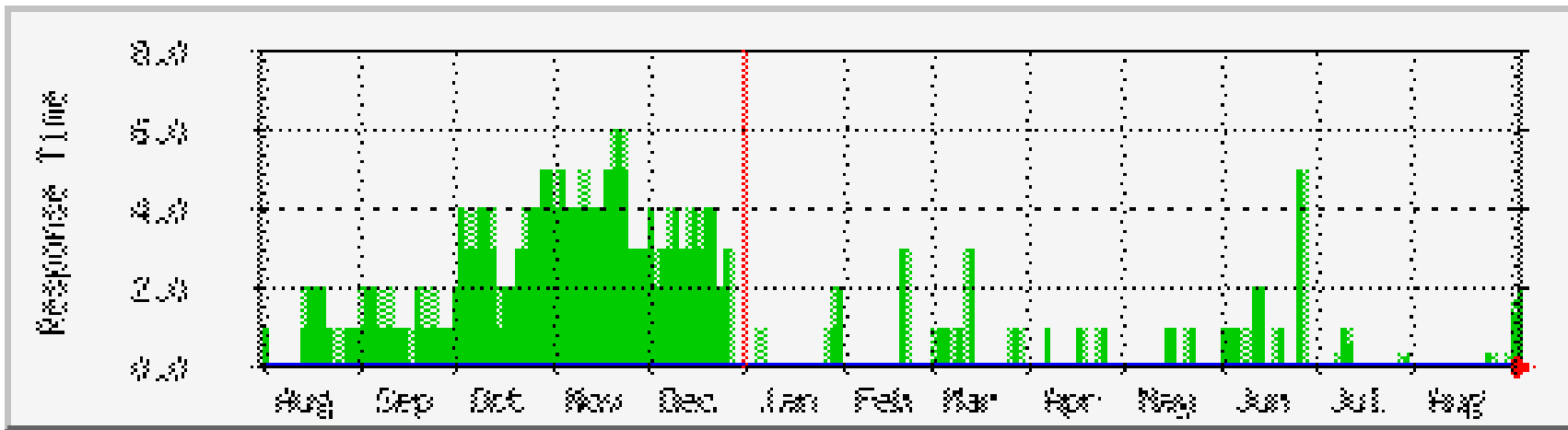 - Encouraging activation (92% of members have account)

Registration Services (2)

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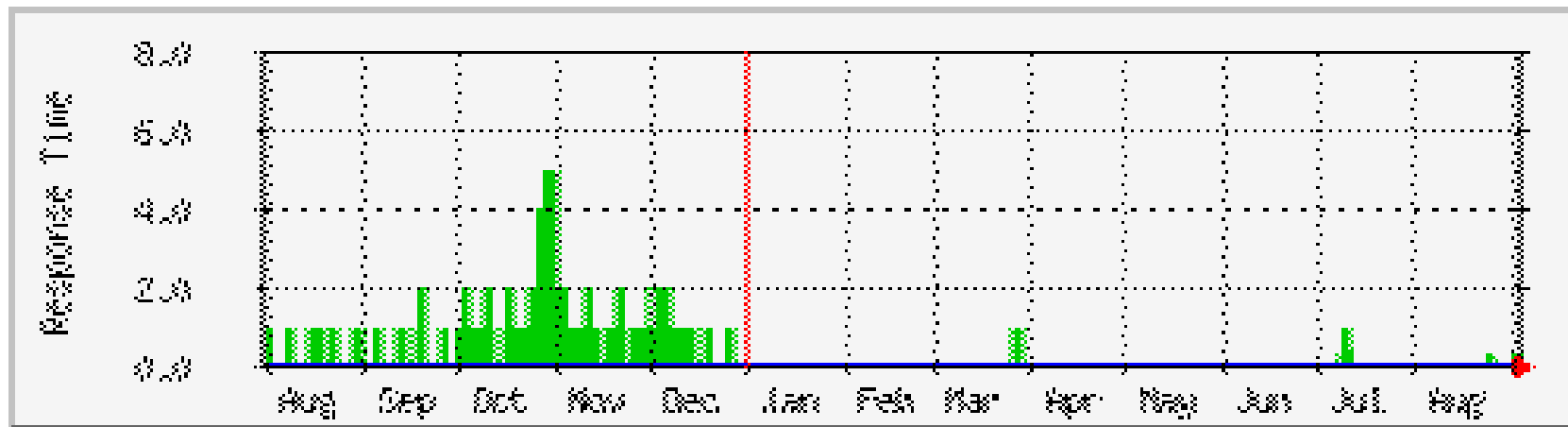
LIR-help

New Year Resolution successful…

Training

- Update and Announcement by Rumy 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
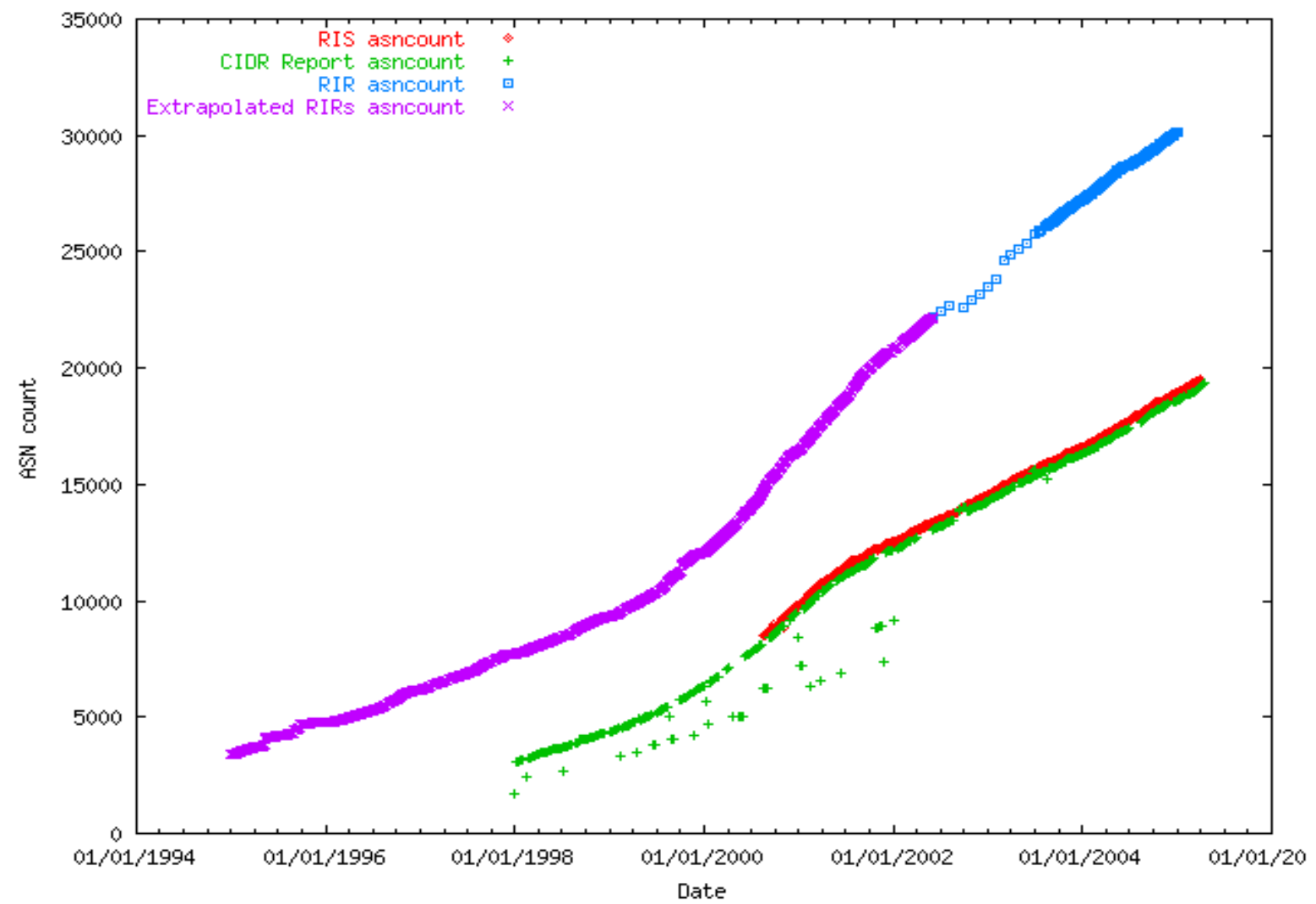
New "New Projects"

- 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
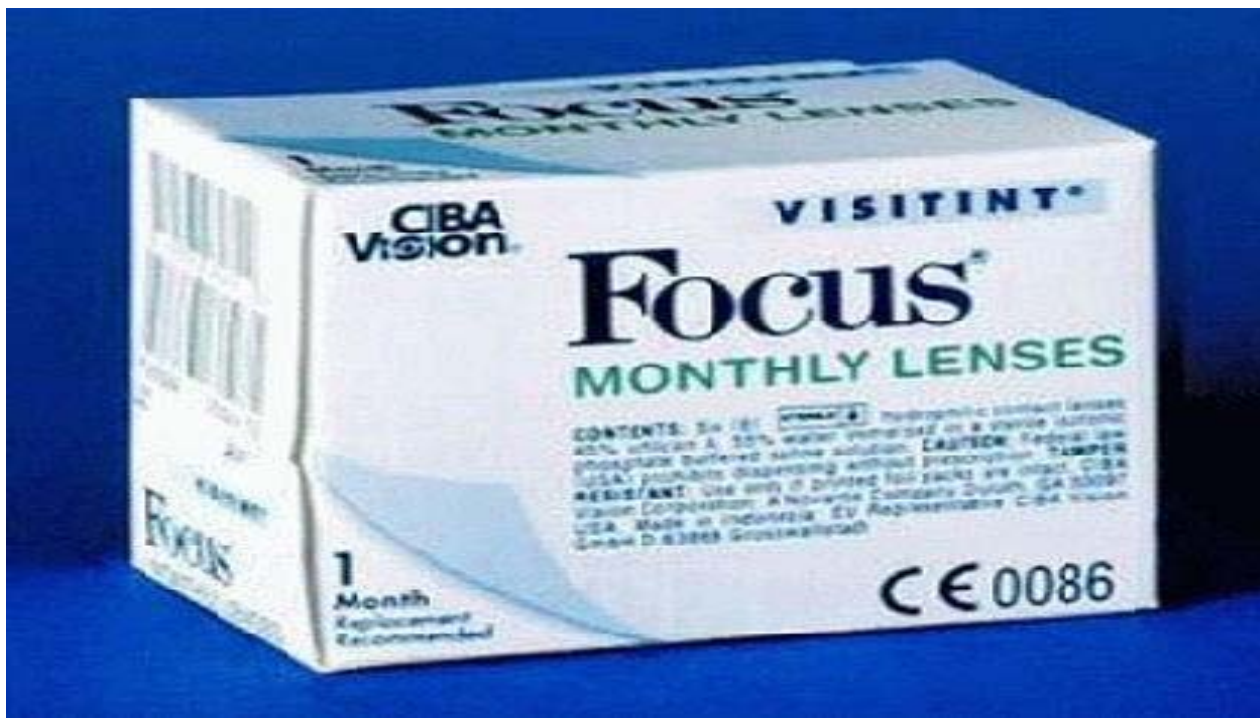
Background Strategy

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.

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- 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

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- Problem Statement
  - Concern about competition by RIPE NCC
  - Perceived lack of information about activities
    - 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

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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