# RIPE NCC Update
## *Regional Meeting Moscow, 2005*

*Axel Pawlik*

*Managing Director*

# Registration Services (1)

- Documentation update
  - Improving clarity of English in all request forms and supporting notes

- Data Integrity
  - Preparing for move to new internal registration Database
  - Requesting the return of unused address space

- LIR Portal
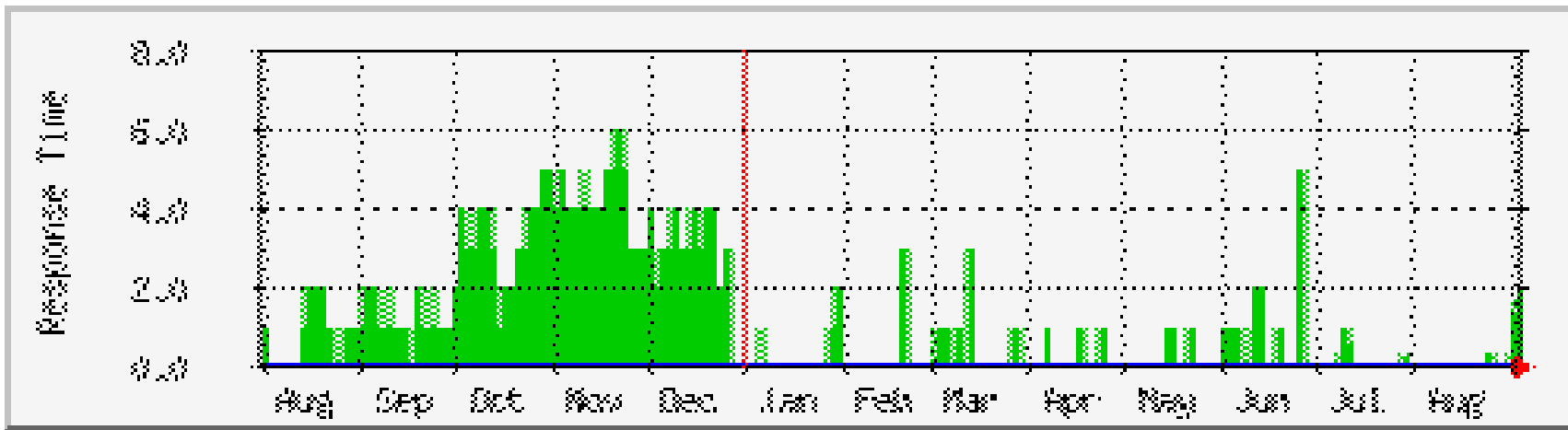  - Encouraging activation (92% members now have account)

# Registration Services (2)

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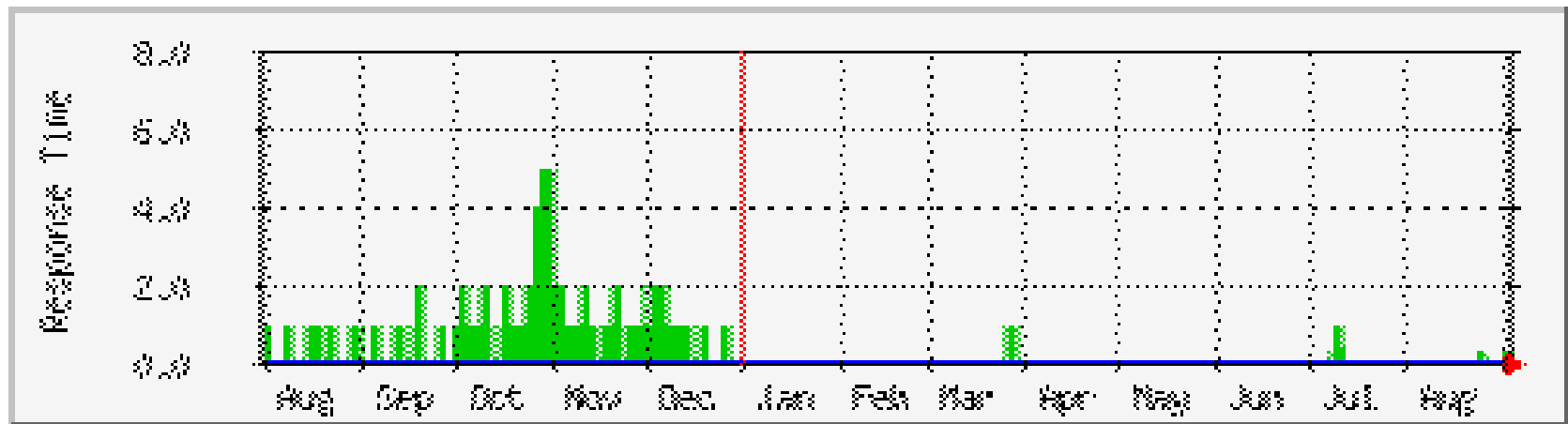
# LIR-help

## New Year Resolution successful…

# Training

- E-learning
  - Developing on-line learning portal
  - Launch 1st November
    - Using the Whois Database (November 2005)
    - RIPE NCC and the RIR system (Q1 2006)
- Training material totally revised
  - New LIR course
  - Updated RR and DNSSEC courses
- Outreach activities
  - Reaching out to other audiences
  - Piggy-backing onto third party events
- RIR Coordination

# 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
  - To be continued at RIPE 51

# DNSMON

- Service to monitor TLD and root servers
- Production service since 1/3/2005
- 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
- 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 4 byte AS

# ASN MIA
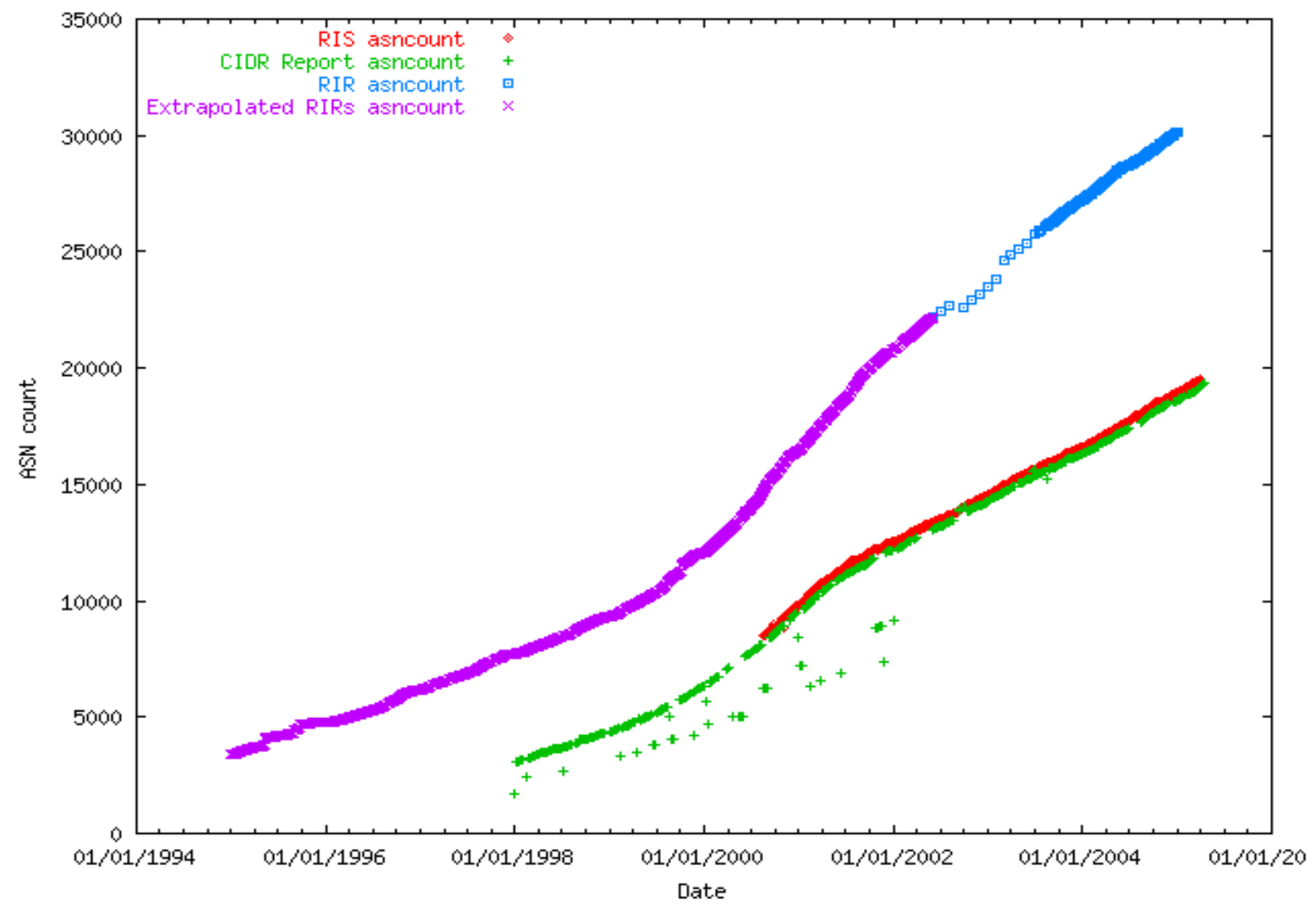
# New "New Projects"

- Talk to us about possible new activities and projects

- RIPE NCC is able to react to suggestions from the community

# Replacement of Systems

- **Pre-historic PABX to be replaced by VoIP solution**
  - Final price negotiations with suppliers have been started
  - Replacement scheduled early November

- **Network equipment replacement**
  - Network of the RIPE NCC will be improved and be more secure
  - Completion scheduled early December

- **Mail improvements**
  - Mail systems will be replaced by a more scalable and reliable setup.
  - Completion scheduled mid October.

- **Ticketing System**
  - Uniform system for all aspects of RIPE NCC
  - Completion scheduled for end of 2005

# Software Engineering

- **Payment systems integrated with TripleDeal**
  - 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

# Member Survey

- Membership Survey by KPMG in 2002
- Many changes implemented based on results
  - For instance Regional Meetings ☺
- Follow-up Survey in 2005
  - Again by KPMG
  - Results just published
  - More participants from significantly more countries
  - Simplistic result: Services rated 5.64 on 1-7 scale
  - But:
    Finer grain ratings
    Many many individual remarks, comments, suggestions

# 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

# 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 51



## Amsterdam!

**RIPE 51**
**10 - 14 October, 2005 | Amsterdam, the Netherlands**

| Room → | Grand Ballroom | Grand Ballroom | Grand Ballroom | Grand Ballroom / St. Johns II | Grand Ballroom |
|---|---|---|---|---|---|
| | **Monday 10** | **Tuesday 11** | **Wednesday 12** | **Thursday 13** | **Friday 14** |
| 9:00 - 10:30 | | Plenary | Plenary | Address Policy / Anti-Spam | Database |
| 10:30 - 11:00 | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 11:00 - 12:30 | 11:30 Newcomers Intro to RIPE/RIPE NCC | Plenary | Plenary | DNS / EIX | Closing Plenary |
| 12:30 - 14:00 | Lunch | Lunch | Lunch | Lunch | Lunch |
| 14:00 - 15:30 | Plenary | Plenary | Plenary | Routing / ENUM | |
| 15:30 - 16:00 | Coffee Break | Coffee Break | Coffee Break | Coffee Break | |
| 16:00 - 17:00 | Plenary | Plenary | DNS (Grand Ballroom) / Test Traffic (St. Johns II) | NCC Services WG | |
| 17:00 - 18:00 | | | IPv6 / Test Traffic | RIPE NCC General Meeting | |
| | Welcome Event | | Party Sponsored by amsix amsterdam internet exchange | RIPE Dinner Venue and Entertainment sponsored by FORCE10 | |

# RIPE NCC General Meeting

- Thursday, 13 October

- Reporting

- Planning for 2006
  - Activities
  - Budget

- Formal Approval of Charging Scheme 2006

- All Members welcome!

http://www.ripe.net/presentations