RIPE 55 DB Status Update

Jos I. Boumans
RIPE NCC

Outline

- Introduction of the DB Group
- Projects & external commitments
- Operational update & RIPE-DBM
- Short & mid-term focus of the DB Group

The DB Group

The Database Team

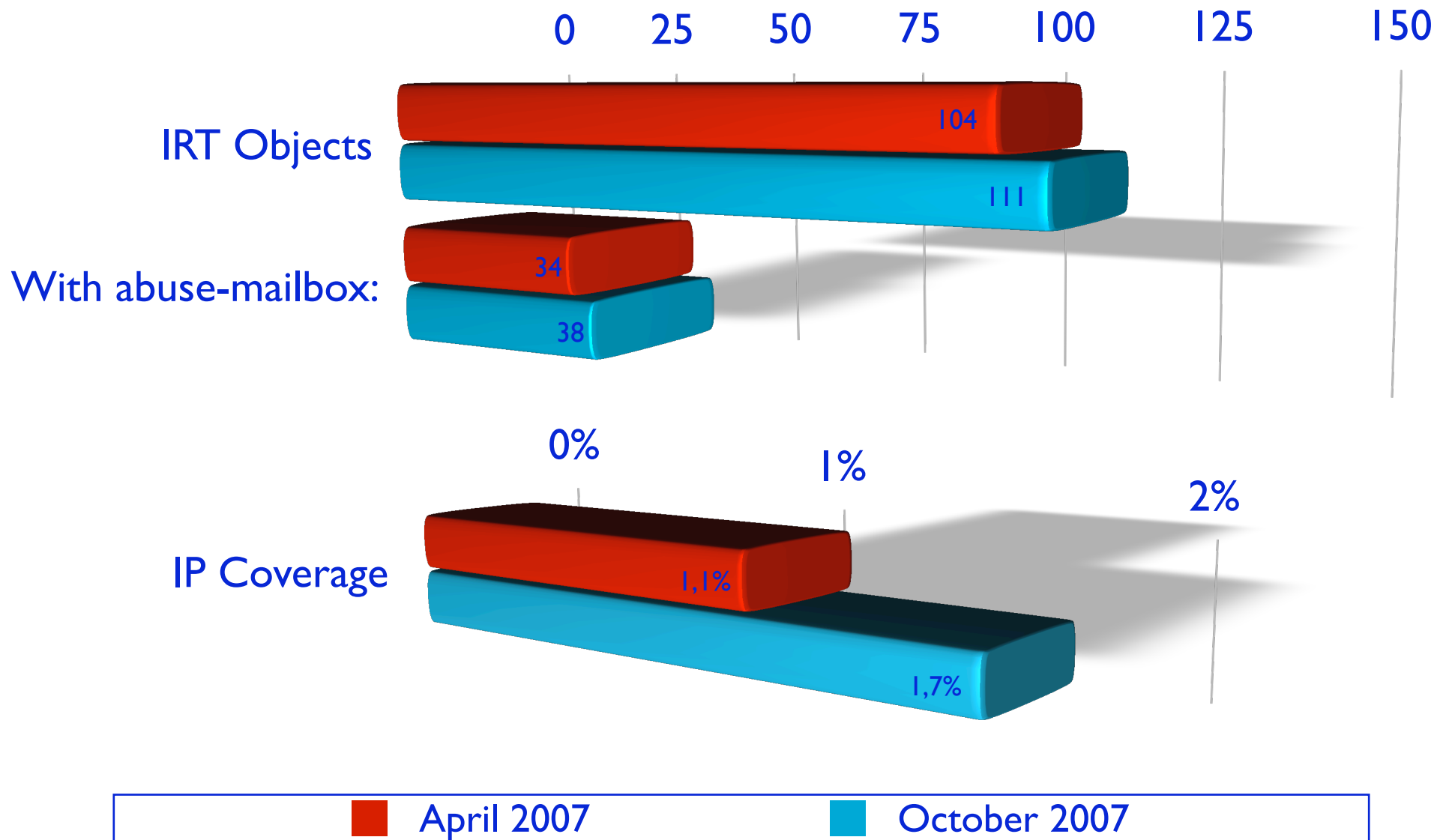|		
	Jos	- Database Group Manager
	Katie	- Senior Engineer - DB engine expert
	Denis	- Business Analyst - RIPE DB / Policy expert
	Agoston	- System administrator - C / Java expert
	Erik	- Release manager - Perl expert
	Luis	- DB engine expert - Perl expert

New

IRT Objects

IRT Objects [AP 54.1]

- Goal: Make '-c' the default on all queries

- Test server made available <u>July 2nd 2007</u>
  - Hits from 28 unique sources

- Deployed smoothly on <u>August 1st 2007</u>
  - '-c' is now the default
  - '-C' (uppercase) for backwards compatibility

IRT Objects - The numbers

IRT Objects
- 104 (April 2007)
- 111 (October 2007)

With abuse-mailbox:
- 34 (April 2007)
- 38 (October 2007)

Scale: 0 25 50 75 100 125 150

IP Coverage
- 1,1% (April 2007)
- 1,7% (October 2007)

Scale: 0% 1% 2%

■ April 2007	■ October 2007

Mandatory MNT-BY

Mandatory MNT-BY [AP 54.3]

- Goal: Maintain all objects in the database

- Implementation in 3 steps:

  - Stage 1: New person/role/domain objects

  - Stage 2: Warn on updates without MNT-BY

  - Stage 3: Refuse updates without MNT-BY

- Slow to reach consensus

  - Long response time over the summer

  - Much discussion on stages 2 & 3

Mandatory MNT-BY [AP 54.3]

- Stage 1 <u>reached consensus</u> July 5th '07
- Impact deemed to big to be released over the summer holidays:
  - Draw extra attention at RIPE 55
  - Deployment date after RIPE 55
  - Announcement to the DB WG will follow
- Discussion on stage 2 & 3 will continue

RIPE Document Status

Documentation [AP 54.2]

- Goal: Release technical manuals on change of software, not at periodic review

- Consensus <u>reached</u> August 29th 2007:
  - RIPE document status dropped on technical manuals (RIPE-402, 401, 254, 252 and 201)
  - Placeholder document (<u>RIPE-419</u>) serves as an index to <u>these documents</u>.

DP TF

Non-personal NRTM

Non-personal NRTM

- RIPE DB supports full Near-Real-Time Mirroring (NRTM)

- Full NRTM includes private object types (person/role/mntner/organisation/IRT)

- Non-personal NRTM only includes operational data

Non-personal NRTM

- Non-personal NRTM requested by DP TF
  - To be released shortly after RIPE 55
  - Existing NRTM will need new AUP
- Current NRTMs (~20 active) are under review by NCC and NRTM holders
- Likely replaced by non-personal NRTM depending on use case

DB Terms & Conditions

DB Terms & Conditions

- New T&C under construction
  - First draft under legal review
  - Defines what data is to be put into the DB
  - Defines terms of access & usage
    - This includes NRTM AUP

Privacy Statement

RIPE NCC Privacy Statement

- New Privacy statement
  - First draft under legal review
  - For the DB, defines rights & obligations
    - Maintainer "owns" the data
    - RIPE NCC "controls" the data
  - Removal procedure available

Operational Update

Operational Update

- Added third query server for IPv4

- Substantial increase in off-peak queries:
  - Hitting 80 queries/second on IPv4 peaks
  - Around 65 queries/second on IPv4 average
    - ~20 queries/second more than early 2007

- More details at http://www.ripe.net/projects/dbconstat/stats.html

RIPE-DBM

RIPE-DBM

- First line support by Customer Services
  - Second line still done by DB group
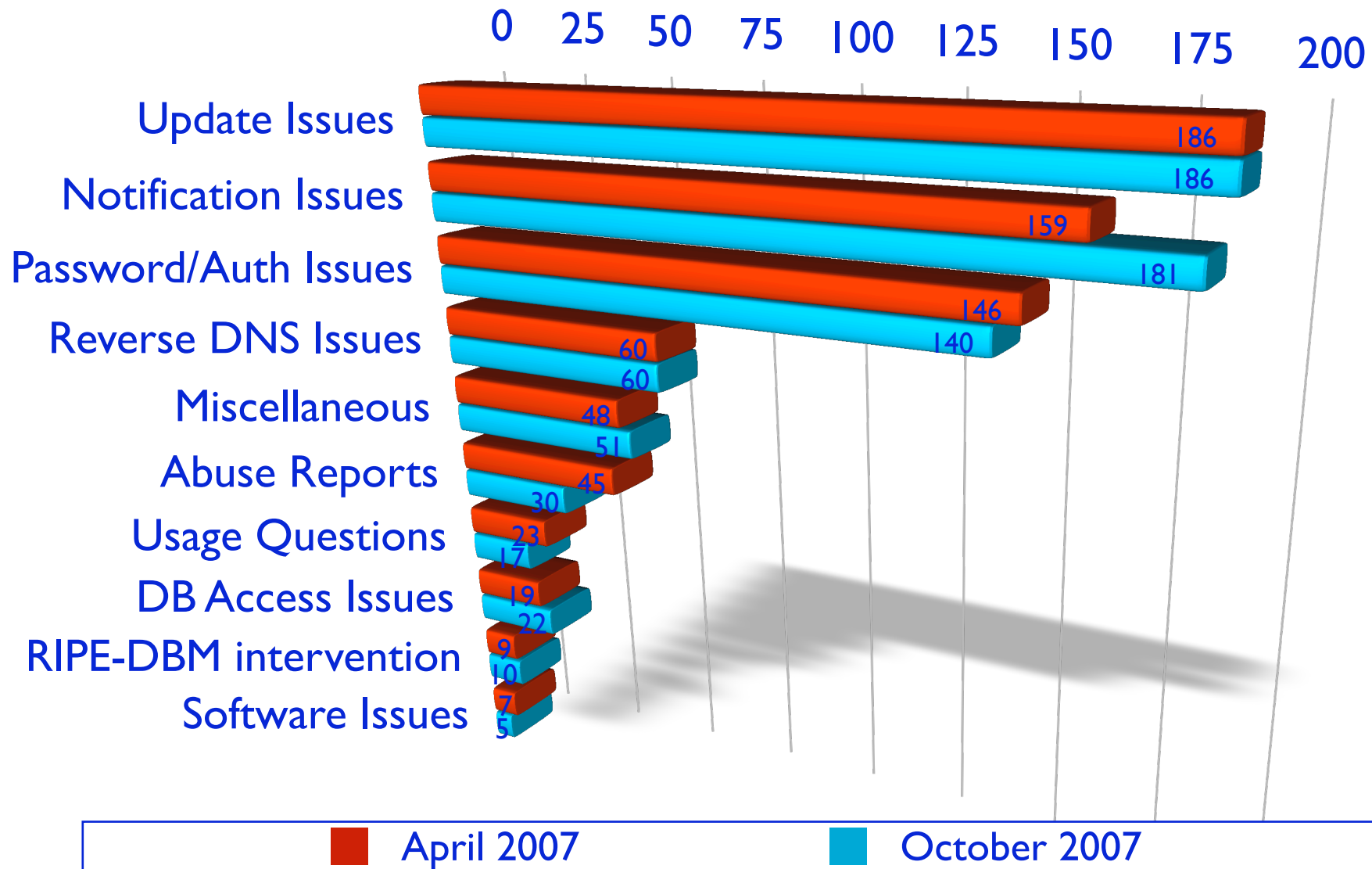
Gregg

Milena

Danielle

Neil

New

Henriette

Smahena

Rabia

Average tickets per month

0	25	50	75	100	125	150	175	200

Update Issues — 186 / 186

Notification Issues — 159 / 181

Password/Auth Issues — 146 / 140

Reverse DNS Issues — 60 / 60

Miscellaneous — 48 / 51

Abuse Reports — 45 / 30

Usage Questions — 23 / 17

DB Access Issues — 19 / 22

RIPE-DBM intervention — 9 / 10

Software Issues — 7 / 5

■ April 2007   ■ October 2007

In the pipeline

Upcoming public projects

- Further phases of the MNT-BY proposal
  - Apply to existing objects (stage 2 & 3)
- Clean up of unreferenced data [AP 54.6]
  - White pages [AP 54.4]
- Possibly restructuring address data
- <u>Deprecating</u> "rev-srv" attribute [AP 54.7]
- Whois snapshots instead of WebCVS

Internal focus of the DB Group

- Focus on structural improvements:
  - Stability & security of services
    - Clustering & load balancing
    - Maintenance & refactoring
  - Usefulness of services
    - Improve useful services
    - Deprecate useless/unused services

Questions?