



RIPE 58 Database Update

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Database Manager, RIPE NCC



Outline

- Introduction of the DB Group
- Projects and external commitments
- Operational update and RIPE-DBM
- Data Protection Taskforce highlights
- Questions



The DB Group



The Database Team



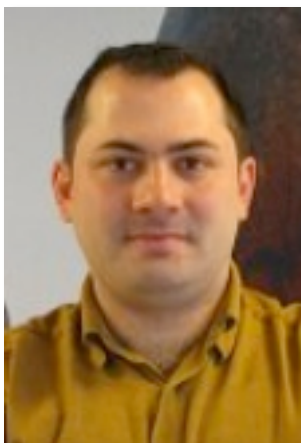
Paul



Erik



Agoston



Luis



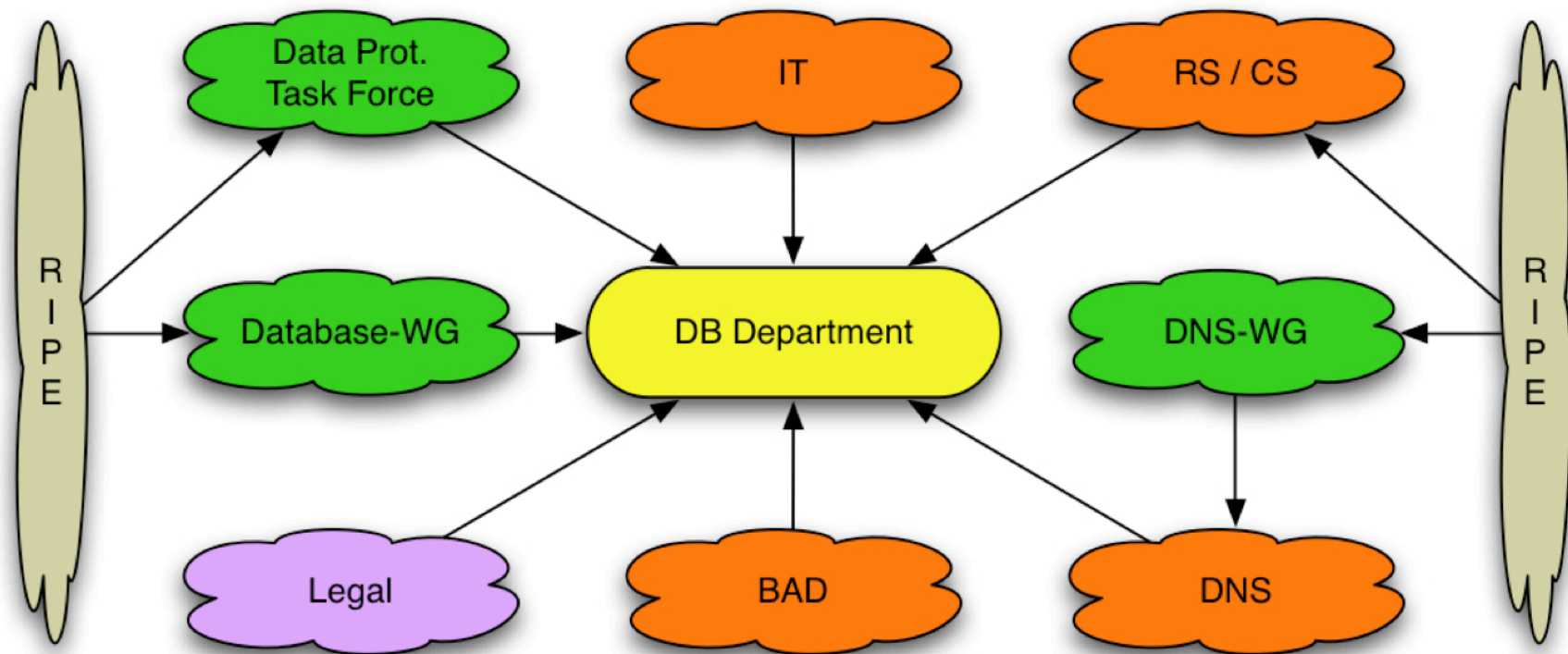
Menno



Denis



Stakeholders: Internal and External





Projects



AP54.3: MNT-BY on Person/Role

- Has bigger effect than anticipated
- Involves many departments: Training, Comms, Registration Services and Customer Services
- We have implemented the necessary changes
- Some documentation needs to be amended
- Implemented “New User Startup Page”...
- Please check your scripts
- Deployment soon after RIPE 58



AP54.3: MNT-BY on Person/Role

[RIPE NCC](#)
[LIR Portal](#)
[RIPE](#)

Updating the RIPE Database

you are here: [home](#) -> [RIPE Database](#) -> [Webupdates](#)

RIPE Database:

- About the RIPE Database
- Webupdates
- Support Information
- DB Software and Tools
- DB Statistics
- DB Related projects
- DB Copyright
- Routing Registry
- News Archive

RIPE Database new user startup procedure

This form allows a new user to create the first person and mntner objects in the RIPE Database.

Person and mntner objects that are not referenced by any operational data for 21 consecutive days will be subject to deletion by the automated Database cleanup process. It is recommended not to create these objects until you are ready to reference them.

You're using the RIPE Database

[Switch to the TEST Database](#)

Fields marked with a "*" are mandatory

Full Name*	<input type="text" value="John Doe"/>
Address*	<input type="text" value="Singel 258"/>
Phone*	<input type="text" value="+3120 535 4444"/>
Email*	<input type="text" value="jd@ripe.net"/>
Password*	<input type="password" value="....."/>
Password (again)*	<input type="password" value="....."/>
Nic-hdl	<input type="text" value="JD-RIPE"/>
Maintainer Name	<input type="text" value="JD-MNT"/>

The nic-hdl has a strict format. If you are not sure what to enter, leave it blank. This will be generated for you. The maintainer name will also be generated if left blank. For further details see [RIPE Database User Manual-Getting Started](#)



RIPE Database Data Quality

- Data quality is a NCC wide initiative
- Effort to validate maintainers of the data
- Emailing contacts for every maintainer
- If you are a maintainer of data you can expect an email from from RIPE NCC
- A link to a webpage allowing you to validate your responsibility as a maintainer
- Please help us by responding



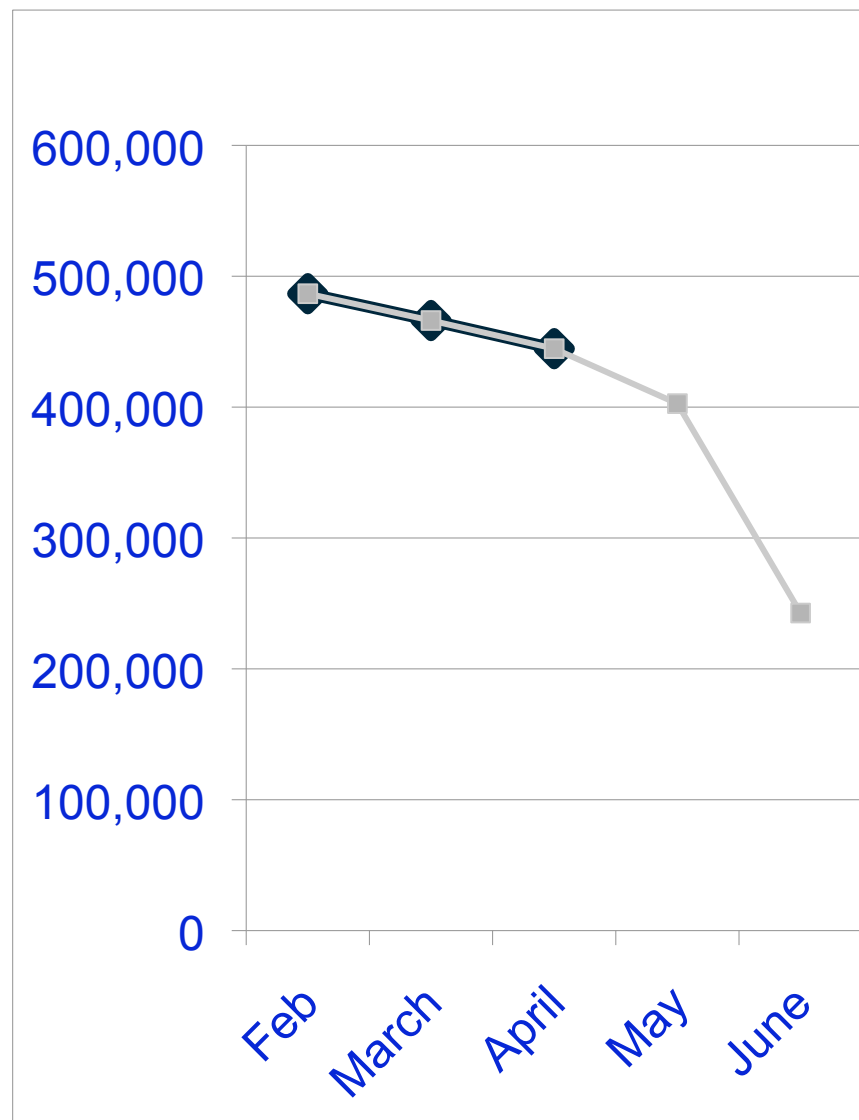
AP54.7: rev-srv Deprecation

- Announced two weeks ago
- Syntax change in two weeks time
- Adjust your scripts
- Before RIPE 59 deprecate “rev-srv:” attribute



AP54.6: Clean-Up Unreferenced Persons

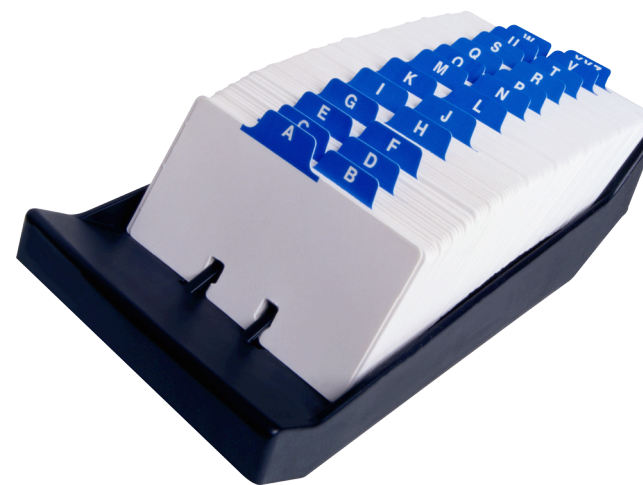
- Batches deleted daily
- 123,000 deleted so far
- Slowly increase batches
- Complete backlog before RIPE 59
- Ongoing process





Reminder: White Pages

- New org-type: ORG-PAGE1-RIPE
- Links users exempt from clean-up
- Maintained by the RIPE Working Group Chairs





ASDot to ASPlain Migration

- Migration completed smoothly 25 March 2009
- 184 objects affected



Mirroring RIPE Data

- At RIPE 57 we promised to do some homework...
- Research shows: RADB is 99.999% in sync with RIPE Database
- RADB doesn't include "personal" data
- We'll migrate all mirroring streams to "person-less" NRTM
- The service will not suffer



RIPE NCC's Other Database Mirrors

- Mirroring is important
- We need Service Level Agreements (SLAs) with other database operators, including the Regional Internet Registries (RIRs)
- Improve quality of mirroring service

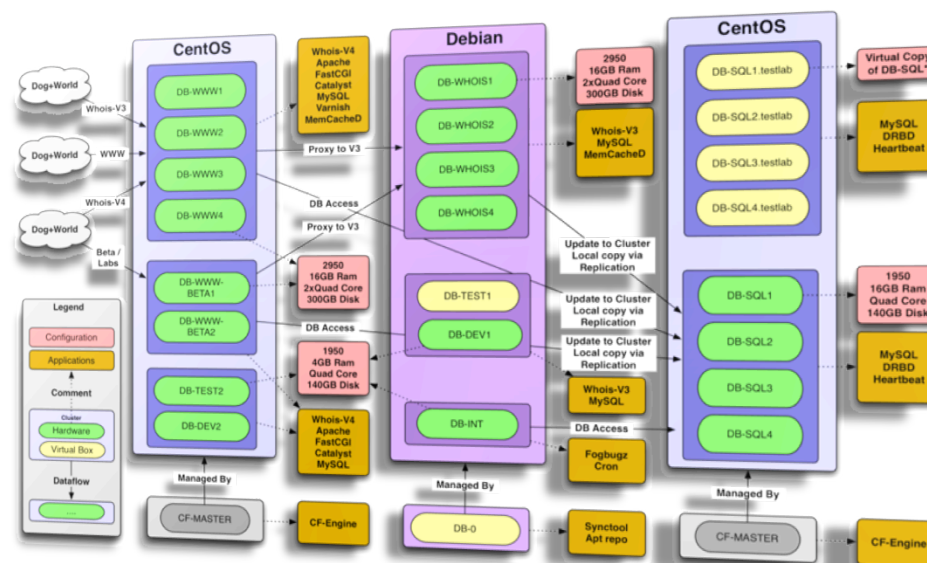


Various Updates



System Architecture

- Presented new architecture at RIPE 57
- Zero data loss in case of hardware failure
- Improve resilience
- Facilitate database growth
- Ready to be fully deployed before RIPE 59





Various Updates

- Upgraded GnuPG libraries from 1.2.4 to 1.4.6
- Support for “newer” hashing algorithms
- Adopted Agile software development practice: Scrum.
- Iterative development process
- Sound hardware infrastructure
- Start thinking about enhancing Database platform...



Operational Update

RIPE-DBM

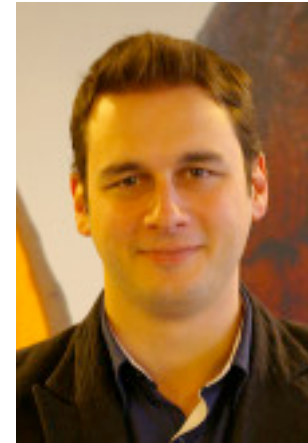


RIPE-DBM

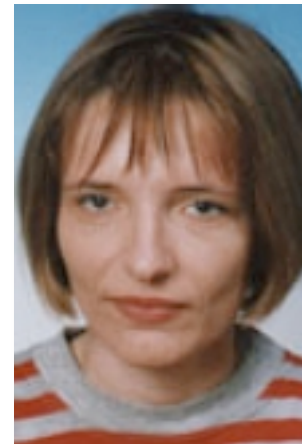
- First line:
Customer Service
- Second line:
Database group



Andrea (manager)



Emilio



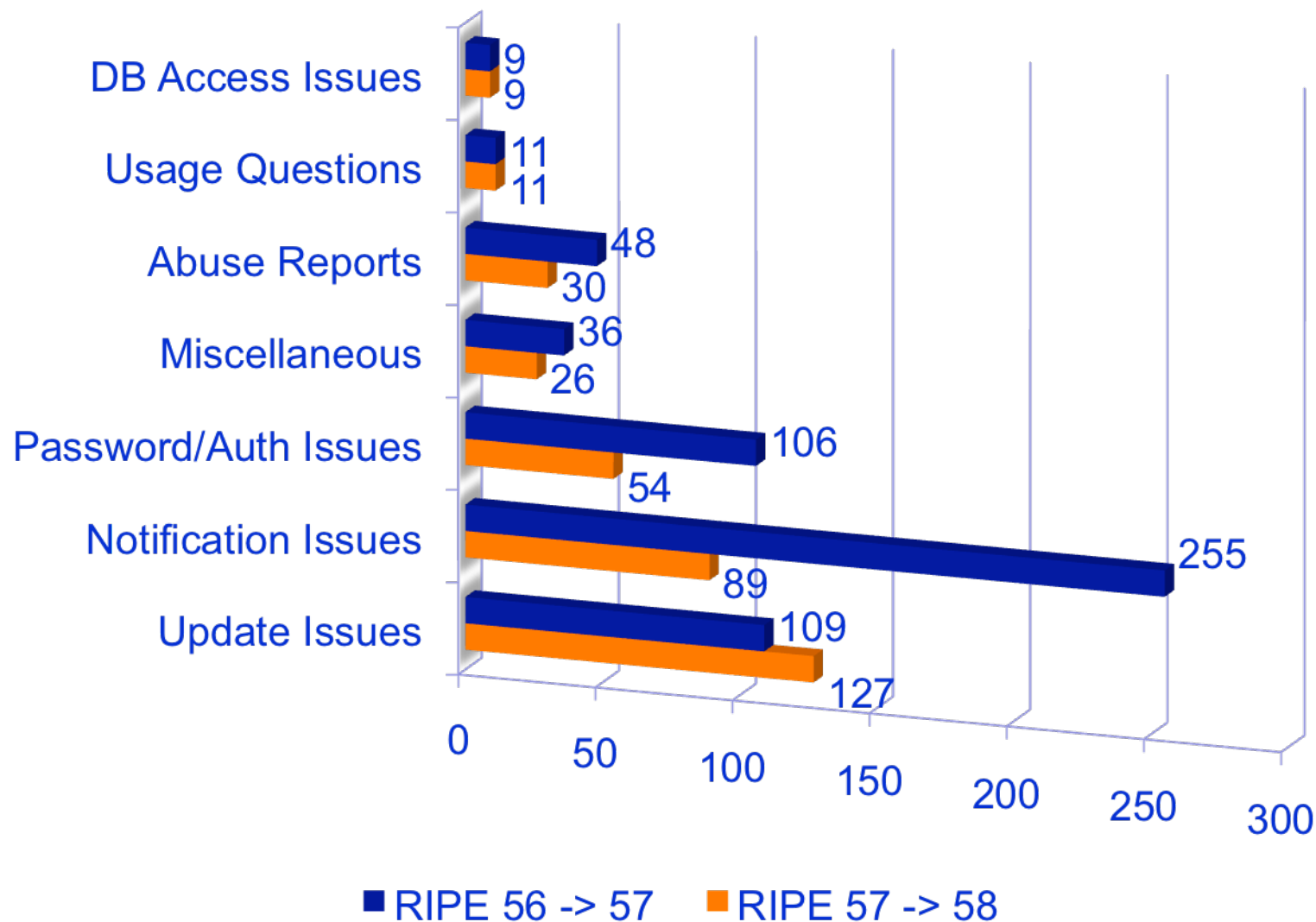
Milena



David



Average Tickets Per Month

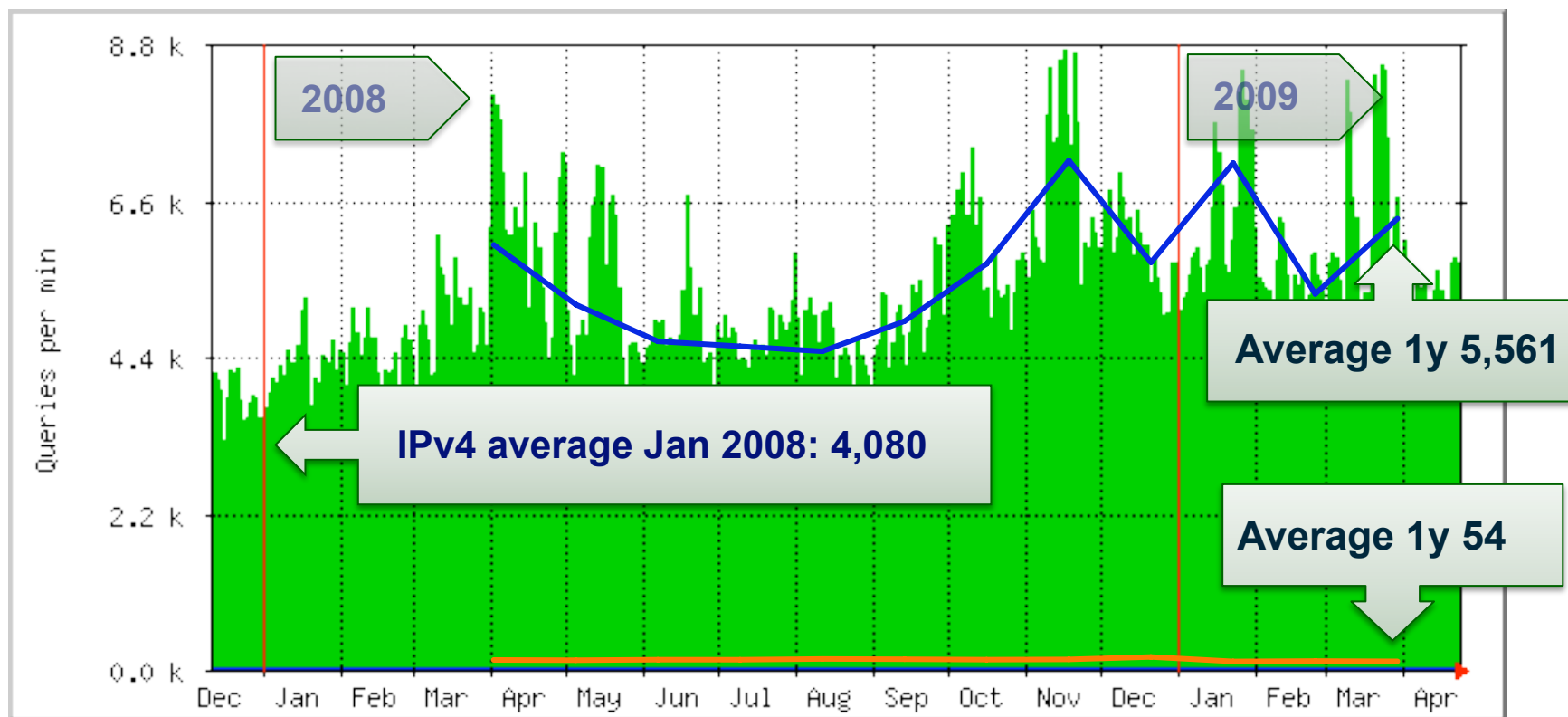




RIPE Database



Stats: Whois Queries per minute

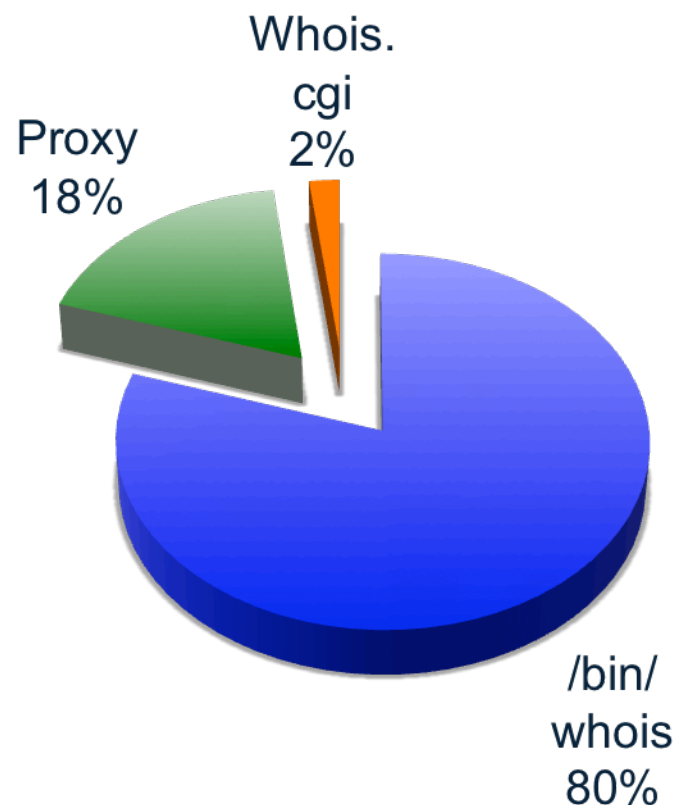


<http://www.ripe.net/projects/dbconstat>

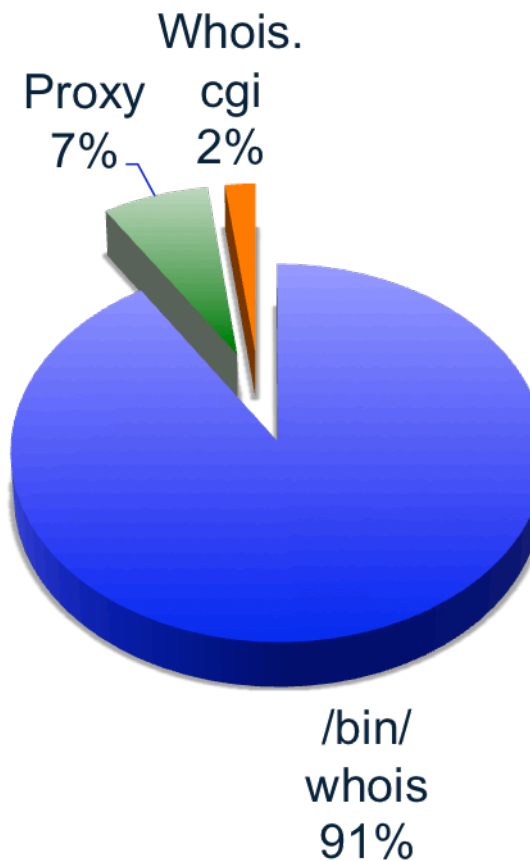


Whois Queries – Access Method

Nov-08



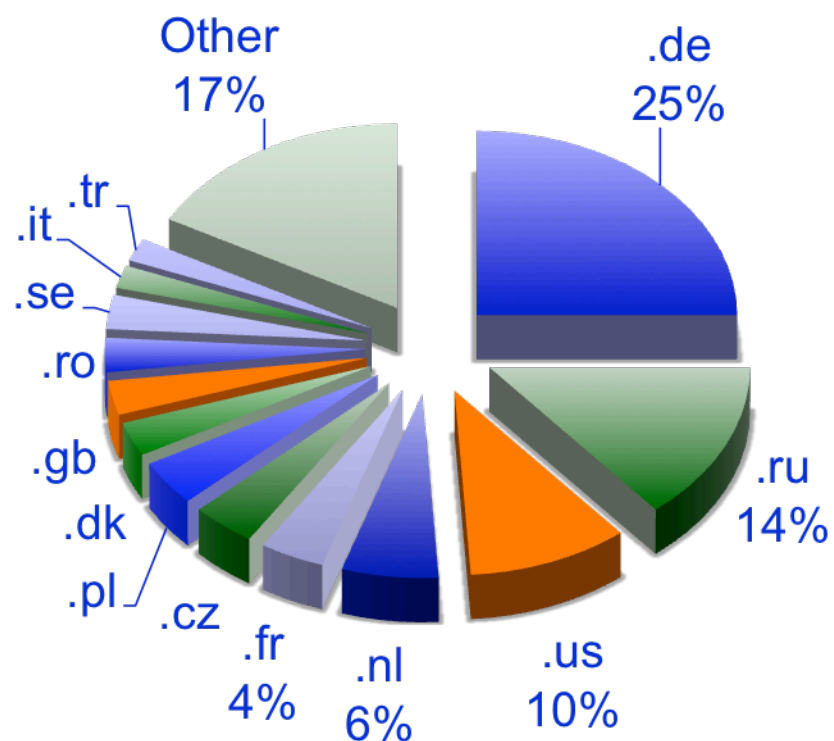
Apr-09



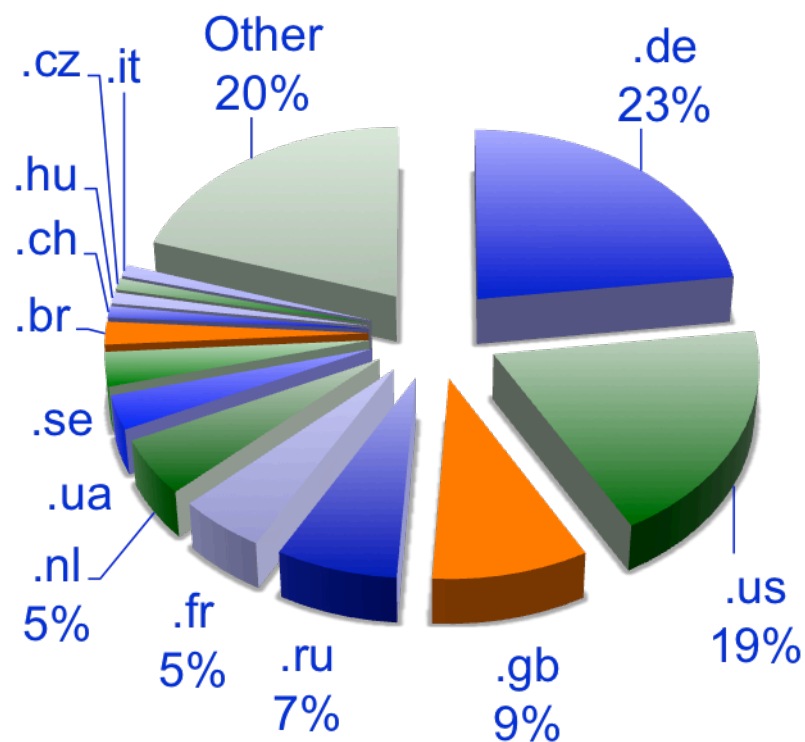


Whois Queries – Usage by Country

Sep-08



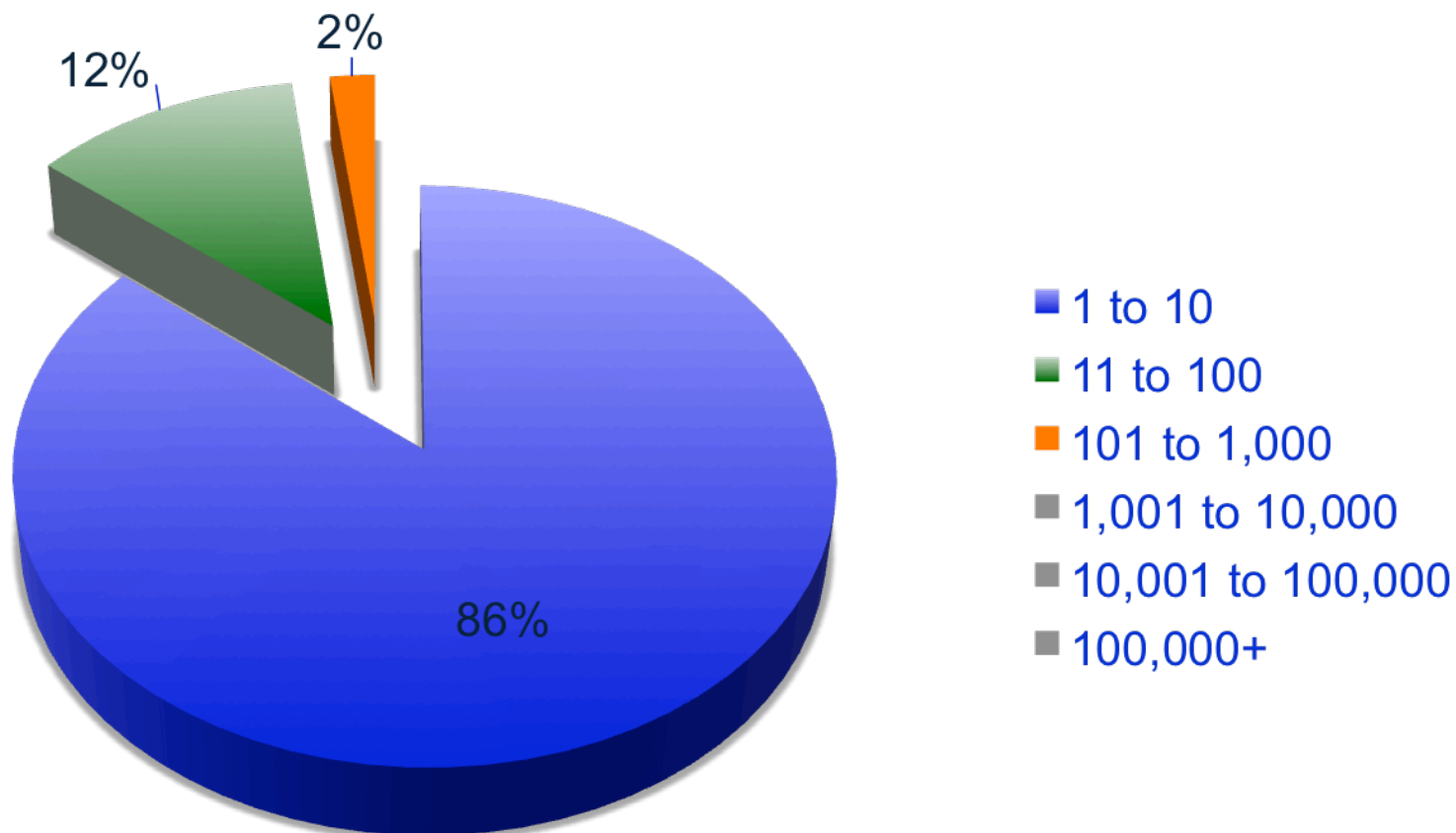
Apr-09





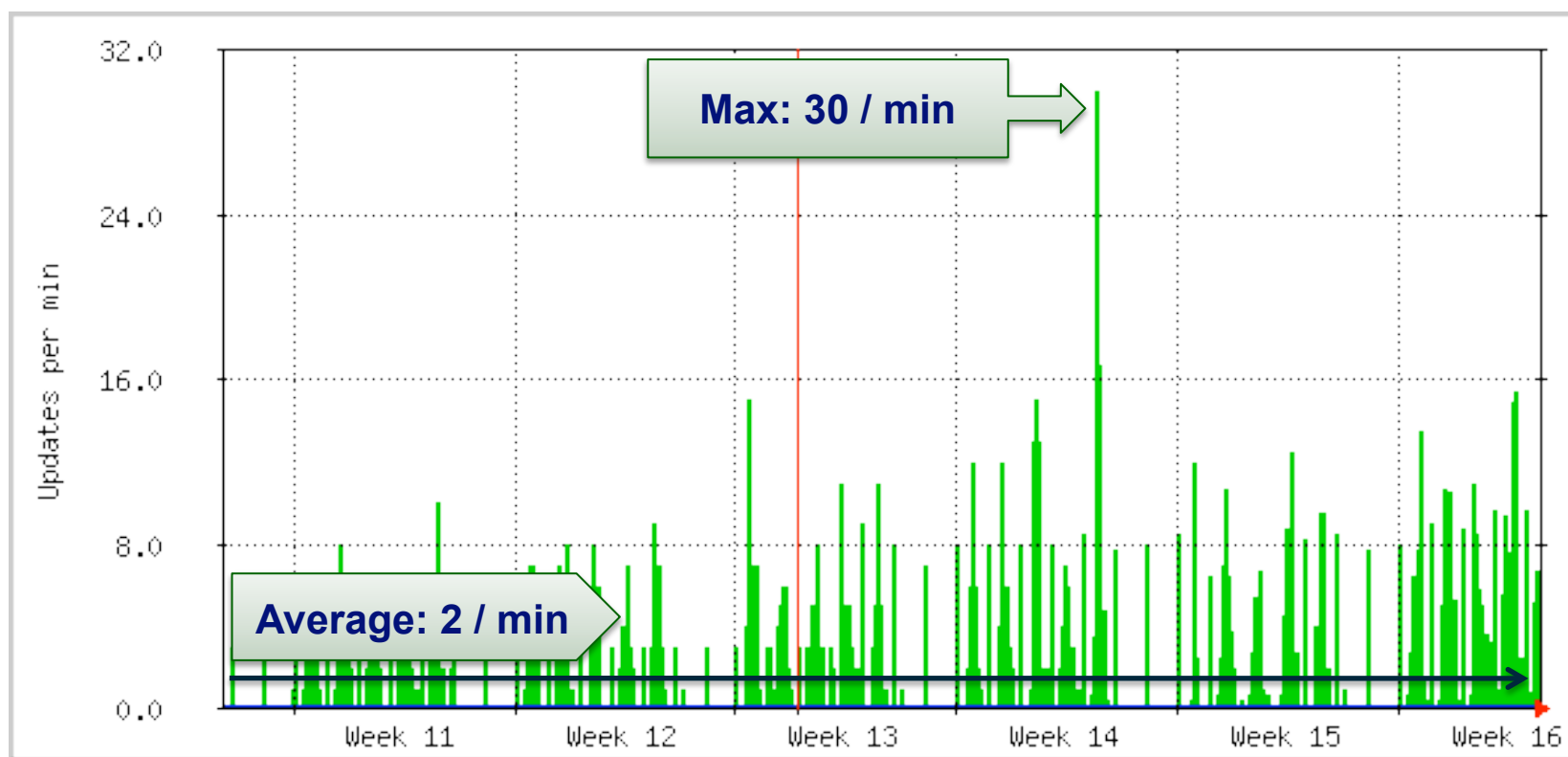
Query Distribution per Month

Queries per unique IP





Stats: Successful Whois Updates

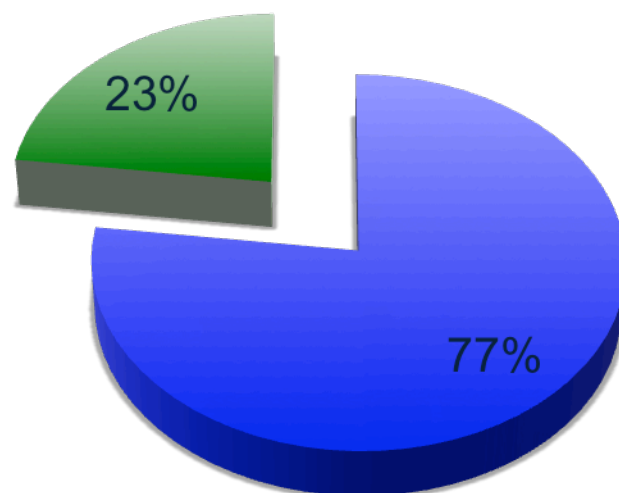


<http://www.ripe.net/projects/dbconstat>



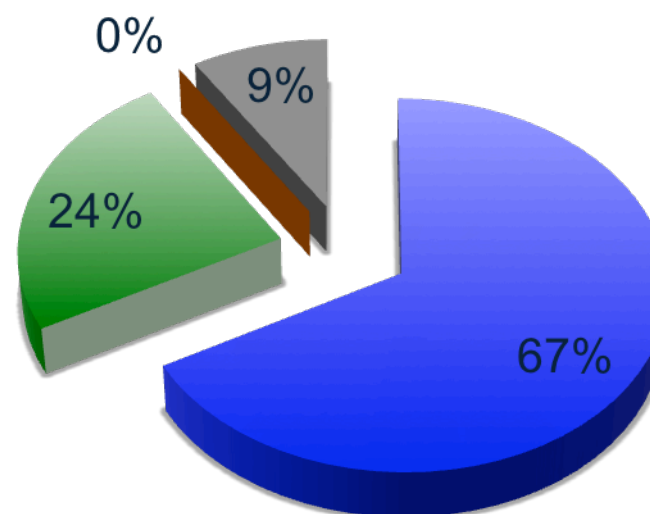
Whois Updates - Distribution

Update Method



■ sync ■ mail

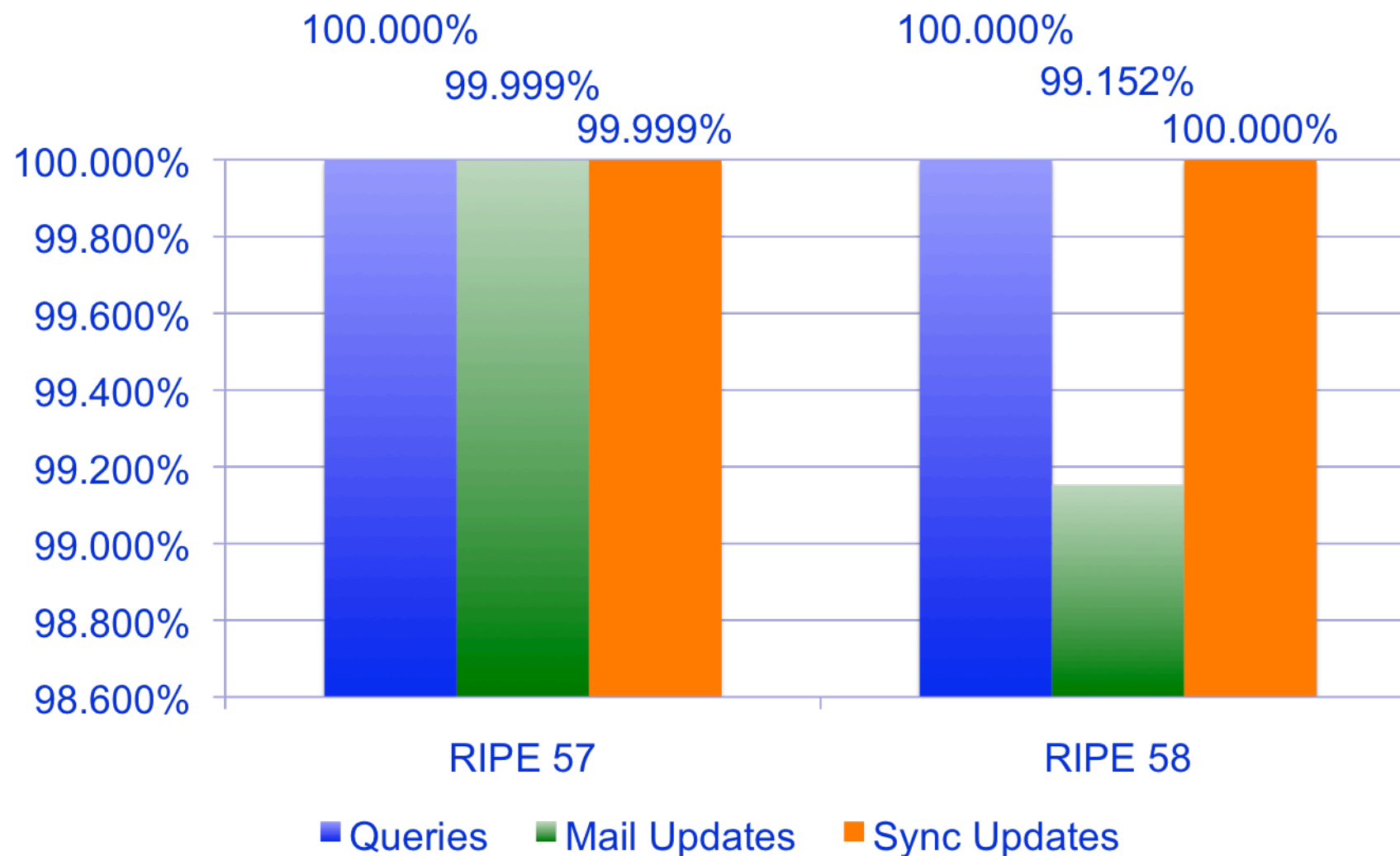
Update Types



■ Sucessful ■ Failed ■ Help ■ Spam



RIPE DB: Query and Update Uptime





Data Protection Taskforce highlights

- Proposal: No re-use of NIC handles... Free to choose character prefix. We'll generate the sequence number.
- Request explicit authorisation from maintainer to link person or role object to resources managed by a different entity.



Data Protection Taskforce highlights

- How useful is proxy access to the RIPE Database?
- 89 proxy agreements
- This year 28 have made queries
- 18 actively used the proxy service
- Do we see continued need to allow proxy access?



Questions?





THANK YOU!