
Software & Engineering Report

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AfriNIC - 5

1 Dec, 2006

Balacalava, Mauritius

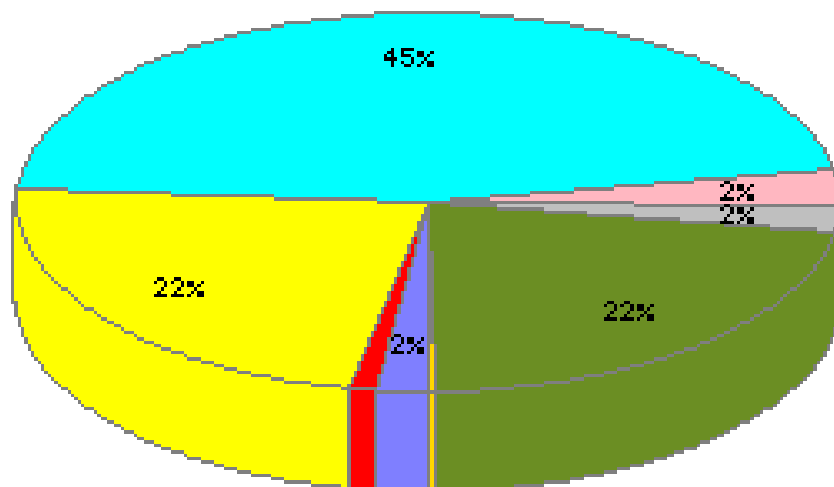


Reverse Zone Management

- Reverse zones we serve:
 - 41.in-addr.arpa
 - 196.in-addr.arpa
 - 2.4.1.0.0.2.ip6.arpa
 - 0.c.2.ip6.arpa
- Zones and Zonelets are on <ftp://ftp.afrinic.net/pub/zones>
- Automatic Reverse Zone updating, notifications and error checking ensures constant 24/7 reliability

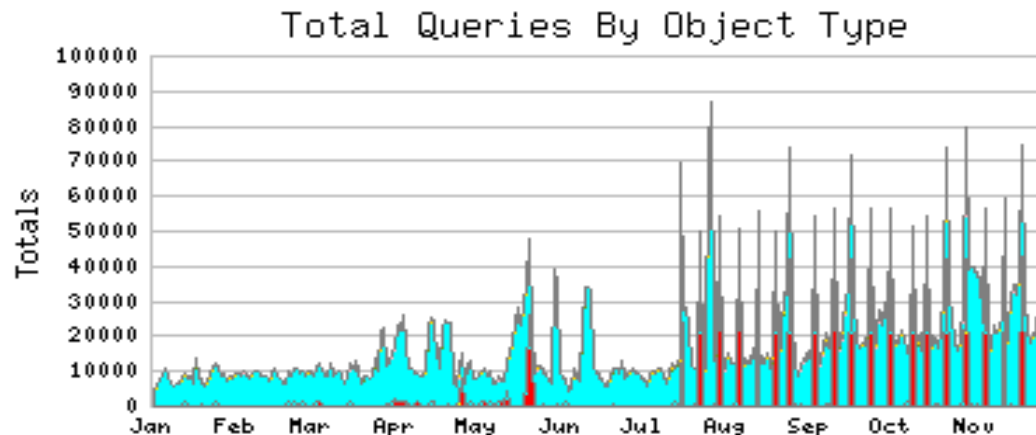
WHOIS Database Statistics

Total Objects in Whois Database



- as-block (543)
- as-set (4)
- aut-num (250)
- domain (5,951)
- inet6num (37)
- inetnum (11,912)
- key-cert (39)
- limerick (1)
- mntner (733)
- organisation (621)
- person (5,739)
- role (75)

WHOIS Query Statistics

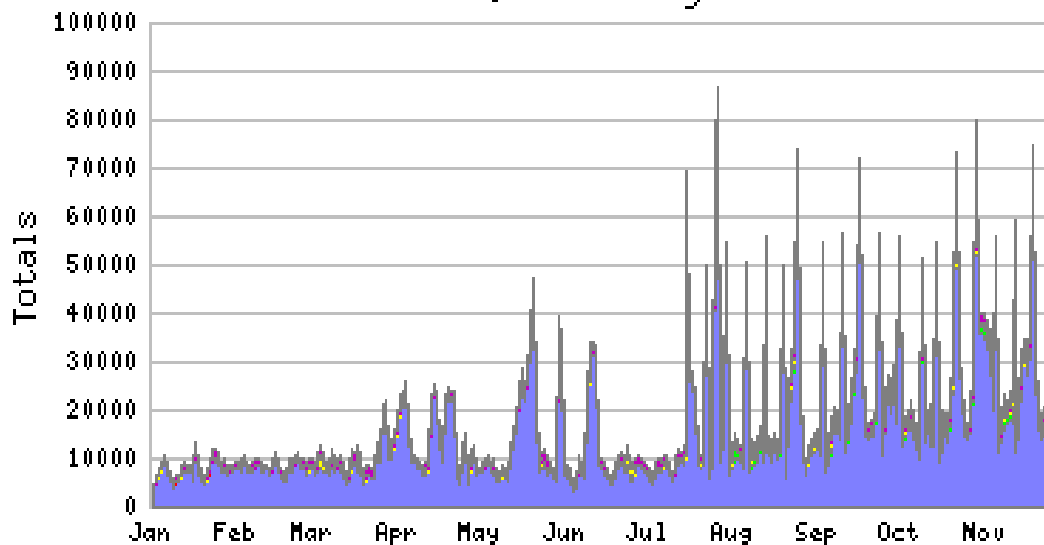


Jan 01, 2006 - Nov 25, 2006 (Daily)

as-block	Avg:	1	Max:	7	Min:	0
as-set	Avg:	1	Max:	9	Min:	0
aut-num	Avg:	2,966	Max:	47,867	Min:	2
domain	Avg:	42	Max:	1,523	Min:	0
inet6num	Avg:	30	Max:	284	Min:	0
inetnum	Avg:	14,755	Max:	86,442	Min:	4,060
key-cert	Avg:	1	Max:	35	Min:	0
limerick	Avg:	0	Max:	1	Min:	0
mntner	Avg:	113	Max:	943	Min:	2
organisation	Avg:	9	Max:	176	Min:	0
person	Avg:	154	Max:	2,721	Min:	16
role	Avg:	1	Max:	51	Min:	0

WHOIS Query Statistics

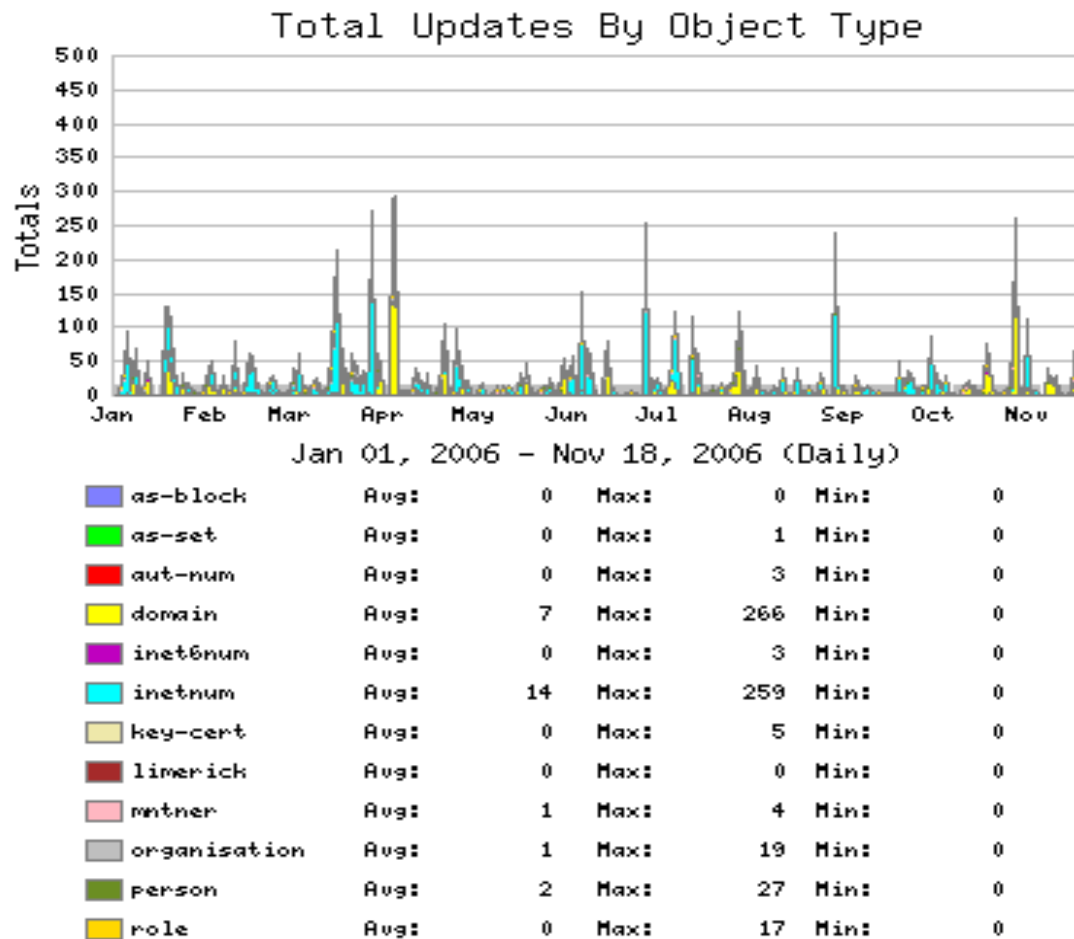
Total Queries By Client



Jan 01, 2006 - Nov 25, 2006 (Daily)

Direct	Avg: 15,647	Max: 84,544	Min: 3,524
GeekTools	Avg: 439	Max: 5,467	Min: 0
Internal	Avg: 24	Max: 863	Min: 0
JWhois	Avg: 678	Max: 3,092	Min: 101
Web	Avg: 1,286	Max: 3,027	Min: 311

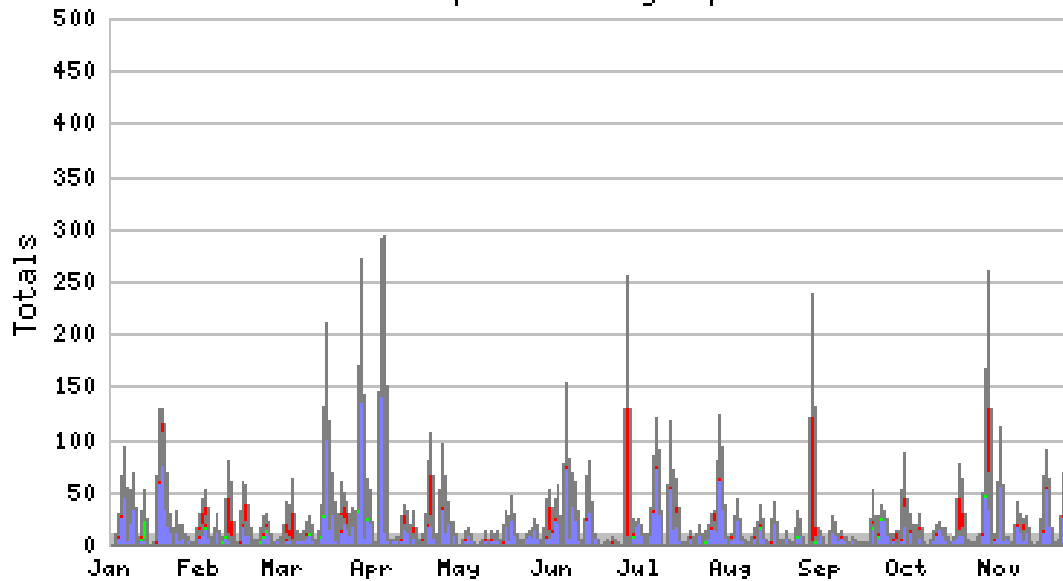
WHOIS Update Statistics





WHOIS Update Statistics

Total Updates By Operation



Jan 01, 2006 - Nov 25, 2006 (Daily)

Add	Avg:	16	Max:	280	Min:	0
Delete	Avg:	2	Max:	257	Min:	0
Update	Avg:	8	Max:	246	Min:	0

WHOIS Service Challenges

- Fixing Data inconsistencies
- Ensuring correctness of Whois data
- Ease-of-use for various entities
 - Research Bodies
 - Resource Holders
 - ISVs

Resource Certification

- Workshop with Dr. Stephen Kent on Resource Certification in Pretoria 14 – 16 August, 2006
 - Review of PKI terminology and concepts
 - Review of PKI Certificate Policy
 - RIR Certification Practice Statement
- Following APNIC Resource Certification Trial



MyAfriNIC

- Simple, graphical, user-friendly interface
- Membership management functionality in one place
 - Resources
 - Billing
 - Contacts
 - Notifications
 - Ticketing
- Will provide enhanced service and support for LIRs
- Will ensure seamless integration with WHOIS DB
- Will provide hostmaster web-based management of members



MyAfriNIC Progress Report

- July 2006: Demo Launched for community feedback
- Sept 2006: Hostmaster functionality added
- Dec 2006: Integrating with other pieces of AfriNIC – WHOIS, registration DB, ticketing
- January 2007: Trial for selected LIR's
- February 2007: Full Rollout of MyAfriNIC

Other Activities

- Disaster Recovery Setup in Egypt
- Auto-generated graphical charts on resources used in AfriNIC region now available on the website including country-by-country graphs.
- Online tools for various membership functionality:
- Participate in Engineering Coordination Group meetings with other RIR representatives.



Staffing

- Hari Kurup, Sysadmin



Questions

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