LACNIC directory services

Frederico Neves <fneves@lacnic.net>

- Today there isn't a single server to send queries for IP addresses and AS numbers
- •Current LACNIC WHOIS traffic shows 75% of the queries on our covering area and 40% of the objects at our DB
- Lots of requests from Law-enforcement about our use of resources based on whois misinformation
- Needed an interim solution during the development/deployment of a long term one – IRIS AREG (CRISP WG product)

Technology

Proxy non-caching server (using non-blocking I/O)
Index based on IANA, the RIRs stats files and NIR information

Deployments

LACNIC in production since Sep/2005 APNIC testing and expected to Dec/2005

Credits

This technology was originaly designed and specified by the NRO and proudly developed/further modified by LACNIC to run as a front-end to our WHOIS server

All the RIRs for the distributed-rate-limiting coordination Shane Kerr – For the initial Proof-of-concept in Python Hugo Kobayashi – For the production version George Michaelson – For the Linux port

```
# whois -l 209.52.107.230
% Joint Whois - whois.lacnic.net
% This server accepts single ASN, IPv4 or IPv6 queries
OrgName:
            TELUS Communications Inc.
OrgID:
            TACE
Address:
            #2600 4720 Kingsway Avenue
City:
            Burnaby
StateProv: BC
PostalCode: V5N-4N2
Country:
            CA
. . .
# whois -l 200.160.0.0
% Joint Whois - whois.lacnic.net
% This server accepts single ASN, IPv4 or IPv6 queries
% Copyright registro.br
% 2005-11-06 13:12:35 (BRST -02:00)
inetnum:
             200.160.0/20
aut-num:
             AS22548
             FAN
abuse-c:
             Núcleo de Informação e Coordenação do Ponto BR
owner:
. . .
# whois -1 202.12.29.20
% Joint Whois - whois.lacnic.net
% This server accepts single ASN, IPv4 or IPv6 queries
% [whois.apnic.net node-2]
% Whois data copyright terms
                                http://www.apnic.net/db/dbcopyright.html
inetnum:
              202.12.28.0 - 202.12.29.255
              APNIC-AP
netname:
              Asia Pacific Network Information Center, Pty. Ltd.
descr:
```

Per Whois backend Load





