Asia Pacific Network Information Centre

APNIC

# 23th APNIC Open Policy Meeting
## *SIG: DB*

Wednesday, 28 February 2007
Bali, Indonesia
Chair: Xing Li

# Presentations

| Topic | Presenter | Presentation * | Archive |
|---|---|---|---|
| New features in the RIPE Database | Andrei Robachevsky, RIPE NCC |  | |
| Whois privacy update from JPNIC | Izumi Okutani, JPNIC |  | |
| Providing a subset of the whois data via DNS | Ms Shuang Zhu, CERNET |  | |
| MyAPNIC new features | Sanjaya, APNIC |  | |
| A brief review and possible future directions | Xing Li, CERNET |  | |
| Draft SIG guidelines | Chair |  | |

# Outline

- Deprecation of CRYPT-PW
- Other developments
  - DNS provisioning system
  - IRT object
  - 32-bit ASN
  - New org type - OTHER
- Operations and Support
  - Statistics

# Issue

- More residential customers receive multiple IP assignments> /29 which require individual WHOIS registrations
- Their personal information is disclosed in WHOIS
- How should we handle such personal information in WHOIS?


# How To Do Via DNS

- Network operators publish the AS origin of their routing announcements by use of TXT RR in its reverse DNS

<**reverse**>.in-addr.arpa. IN TXT "<**as number**>" "<**network number**>" "<**prefix length**>"

e.g.

64.211.in-addr.arpa. IN TXT "4538" "211.64.0.0" "13"

65.211.in-addr.arpa. IN TXT "4538" "211.64.0.0" "13"

66.211.in-addr.arpa. IN TXT "4538" "211.64.0.0" "13"

67.211.in-addr.arpa. IN TXT "4538" "211.64.0.0" "13"

....

# MyAPNIC v 1.6 new functions


- Resource Database (real time update to Whois)
  - Person
  - Maintainer
  - Role
  - Route
  - More to come in future
- Voting
  - Proxy form
- Technical
  - Prefix history report

# SIG-DB Topic Distribution

| APNIC | location | Security and Privicy | Operation | Code | Routing | AS | Mirror | Standard | Chair | sum |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Brisbane | 2 | | | | | | 1 | | 3 |
| 11 | KL | 1 | | 1 | | | | | | 2 |
| 12 | Taipei | 1 | | 1 | 2 | 1 | | 1 | | 6 |
| 13 | Bangkok | 1 | | 1 | 1 | 1 | | | | 4 |
| 14 | Kitakyushu | 3 | | 1 | 1 | 1 | | | | 6 |
| 15 | Taipei | | 3 | 1 | | | | 1 | 1 | 6 |
| 16 | Seoul | 2 | 1 | | | | 1 | | 2 | 6 |
| 17 | KL | 2 | 1 | | | | 1 | | 1 | 5 |
| 18 | Nadi | 3 | | 1 | 1 | | | | 1 | 6 |
| 19 | Kyoto | 2 | 1 | | 1 | | | 1 | 1 | 6 |
| 20 | Hanoi | | 1 | | | | | | 1 | 2 |
| 21 | Perth | 2 | | 1 | | | | | 1 | 4 |
| 22 | Kaohsiung | | | | | | | | | 0 |
| 23 | Bali | 1 | 1 | 1 | | 1 | | | 2 | 6 |
| sum | | **20** | **8** | **8** | **6** | **4** | **2** | **4** | **10** | 62 |

# Possible future directions

- Security and privacy
  - usefulness versus privacy
- IRR
  - Trust model between autonomous systems
  - Authority between address and routing DB
- IPv6
  - New services

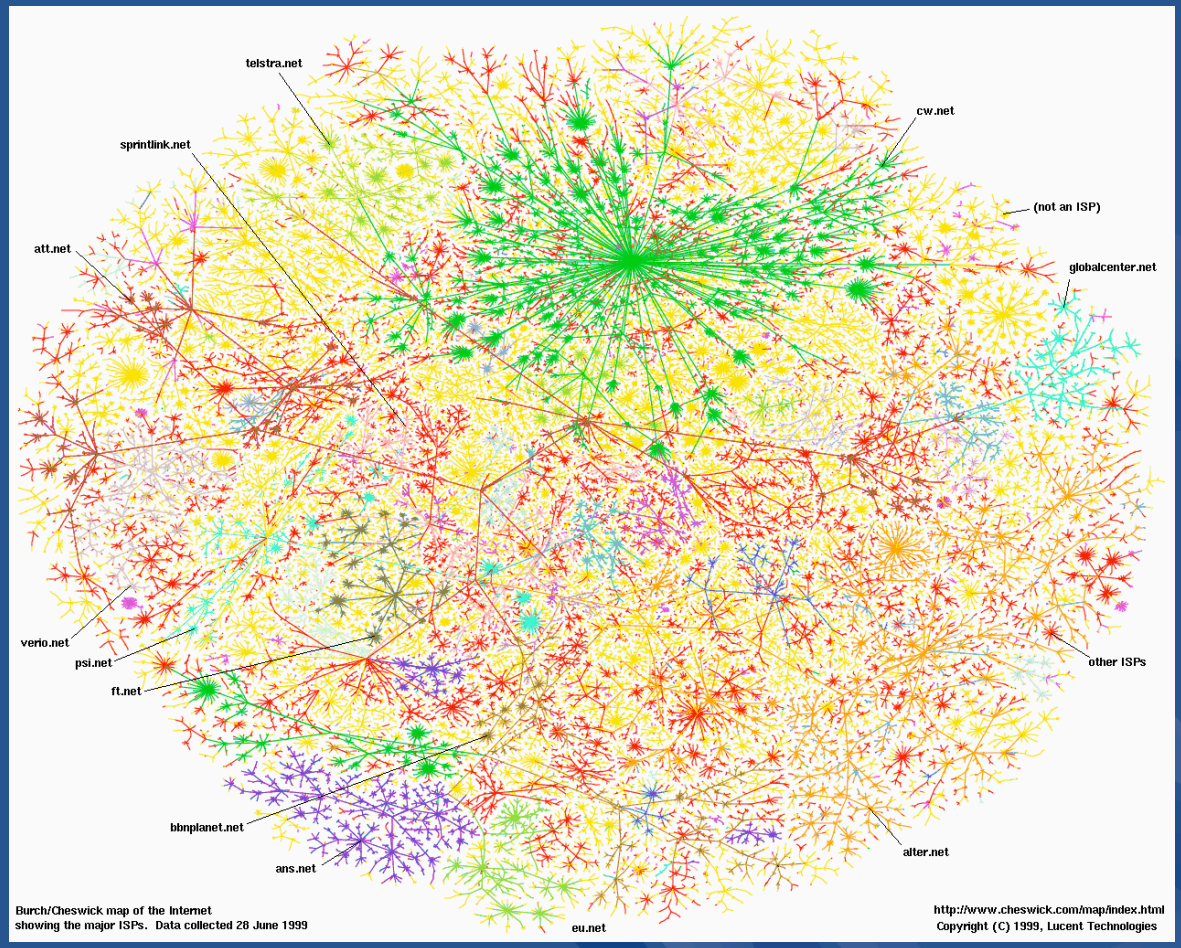
# On the Internet

Actual Problem – Authorization (How to resolve it?)

"On the Internet, nobody knows you're a dog."

Assumption:
Everybody knows
you are a dog,
but
What is a
dog allowed to do?

# Internet Map showing the major ISPs



# IPv6

# More suggestions

- Review the charter
- Broader the scope
  - Resource management
  - Incident connect and exchange platform
- Break up
  - Other SIGs
  - APOPS

# Call for nomination

- Dr Hakikur has resigned from his role as co-chair of the SIG.
- Ching-Heng Ku from TWNIC volunteered to be the co-chair.