

NETLANTIS @ FRnOG-5

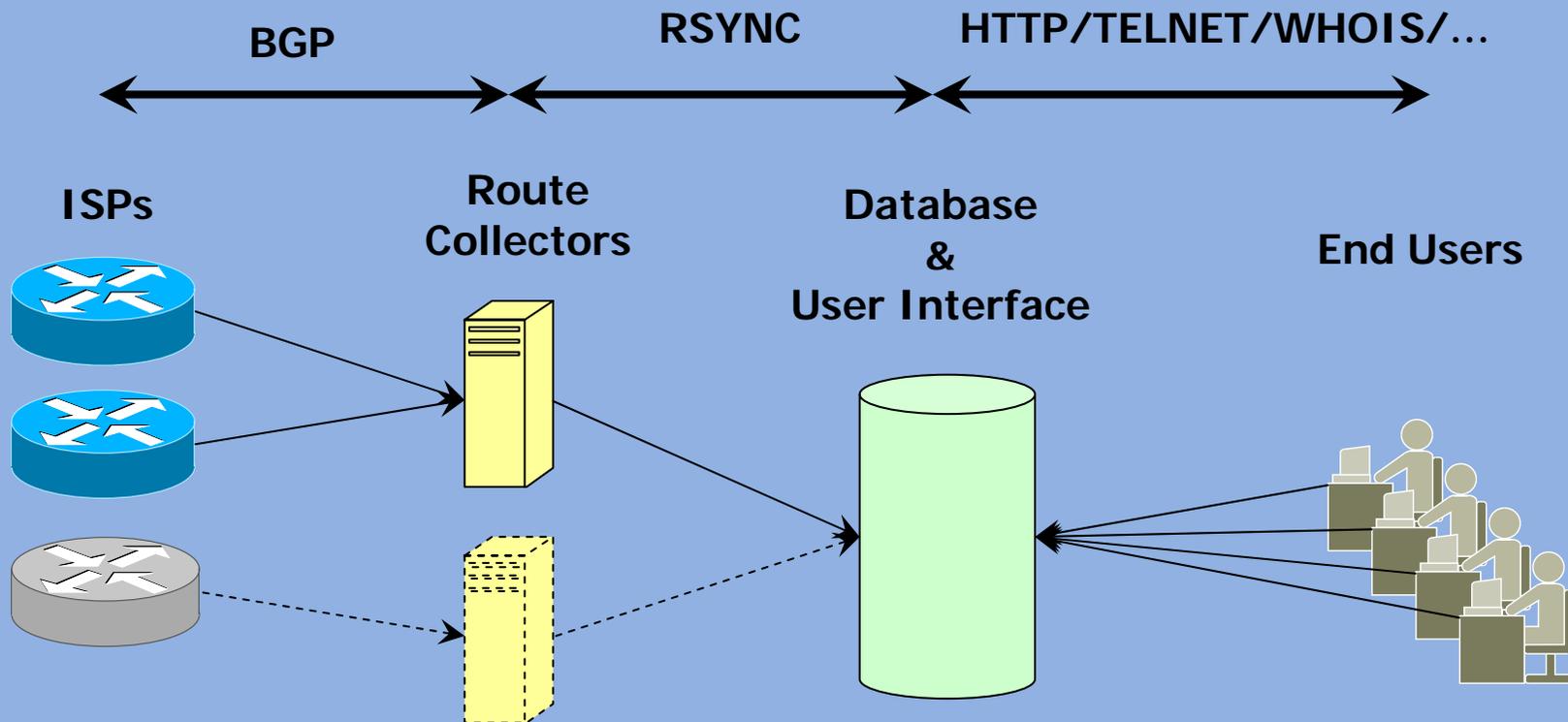
Speaker:

Pascal Gloor

What is NETLANTIS?

Netlantis is an open research project for **realtime** analysis and representation of BGP routing tables ...

How does it work?



- **Graphical tools**

- GASP (Graphical AS Paths)
- AS MATRIX (graphical representation of AS PATHS, using 'graphviz')
- ...

- **Analysis tools**

- Check your AS
- Bogus ASN in paths
- Bogus prefixes
- Different Graphs (IPv4 usage / prefix counter / ...)
- ...

- **Miscellaneous tools**

- Telnet and whois query tool
- Cisco IP Phone XML interface
- ...

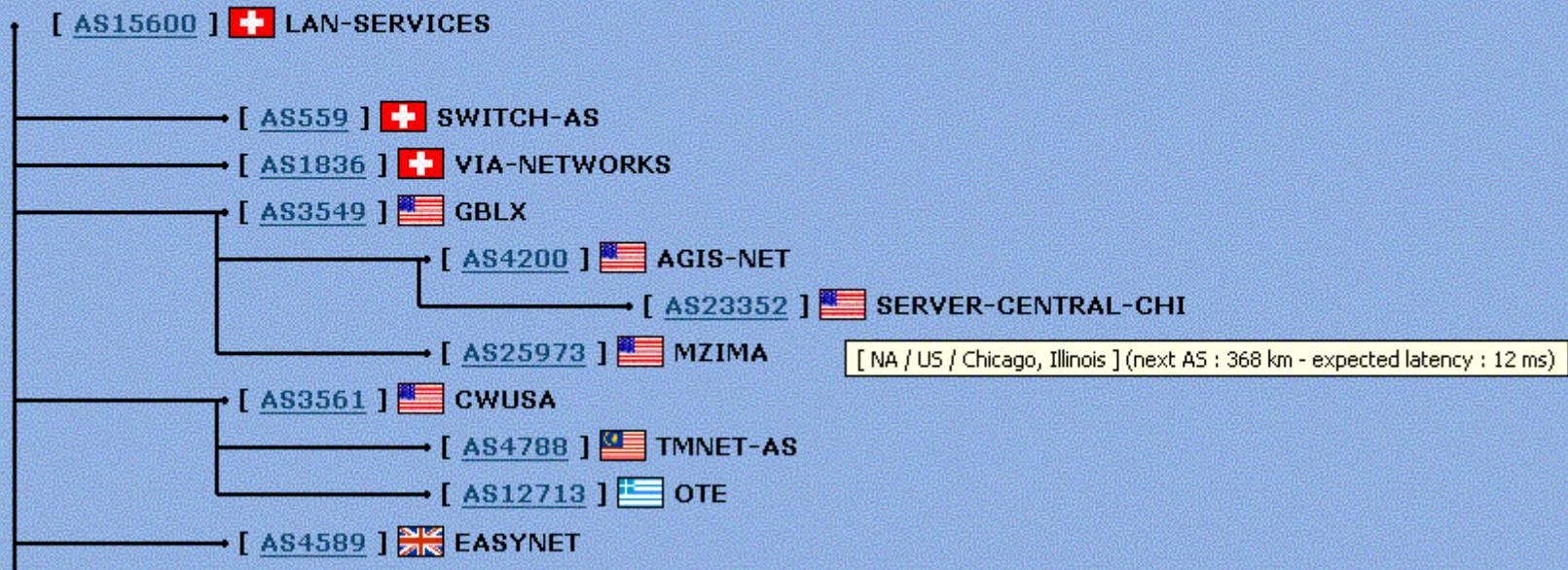
- **Future tools**

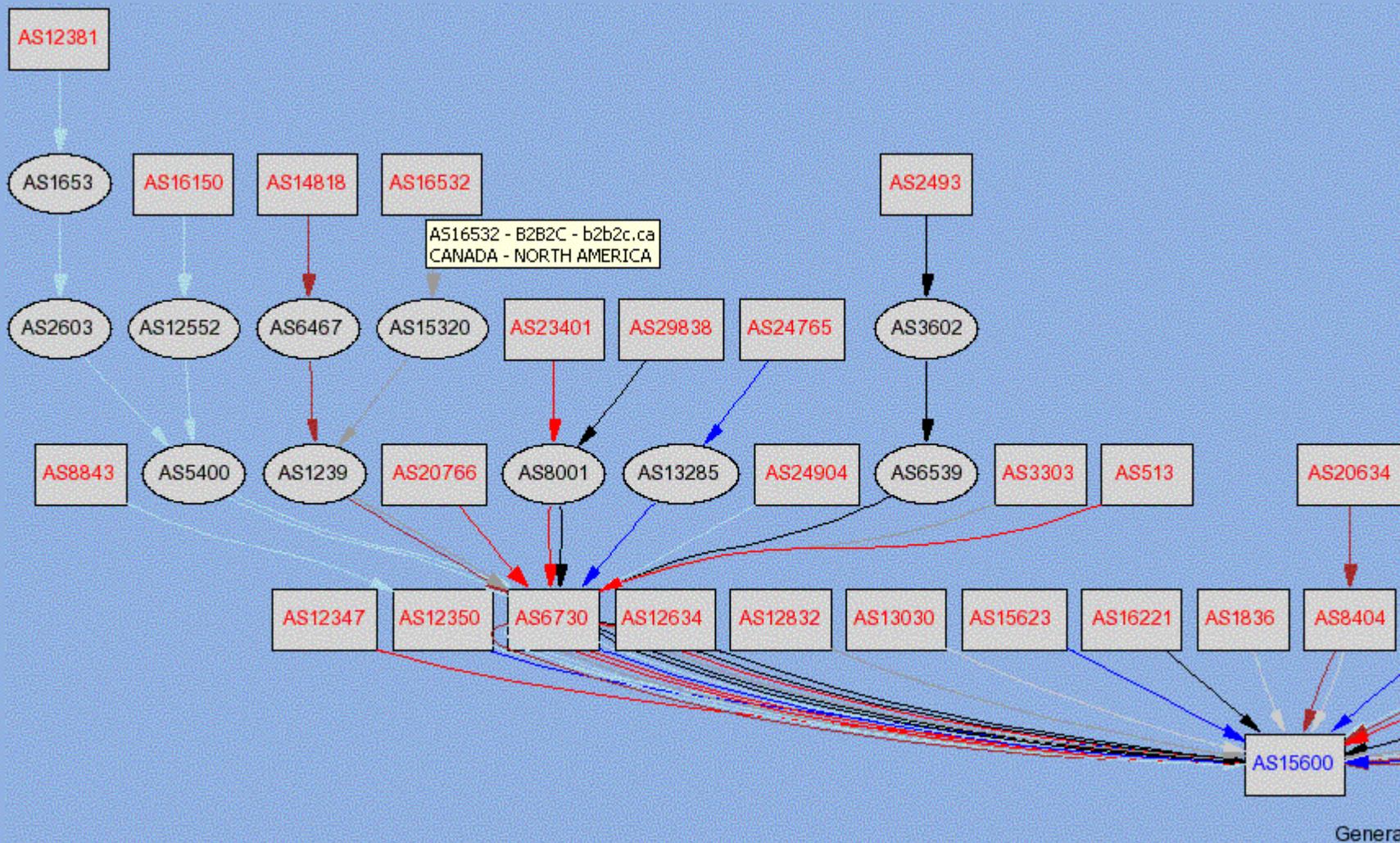
- Neteo
- BGPmon
- RootzMap
- Java AS MATRIX
- (your tools?)
- ...

Graphical AS Path for 62.204.96.0/19

This network is announced by AS15600.

Hold your mouse over the flag to get more details about a particular AS.





AS CHECKER RESULTS FOR AS15600

AS NAME : LAN-SERVICES
MAINTAINER : CH-LAN-MNT
DESCRIPTION : LAN Services AG Autonomous System
SOURCE : RIPE

PREFIXES ANNOUNCED BY AS15600

62.204.96.0/19 193.218.104.0/24 194.158.233.0/24 194.230.57.0/24
194.230.79.32/27 195.65.76.0/24 195.65.77.0/24 195.65.78.0/24
212.60.32.0/19 213.142.160.0/19 213.213.160.0/19 213.221.192.0/18

neighbor AS513 (192.65.184.3) : Some as paths are different

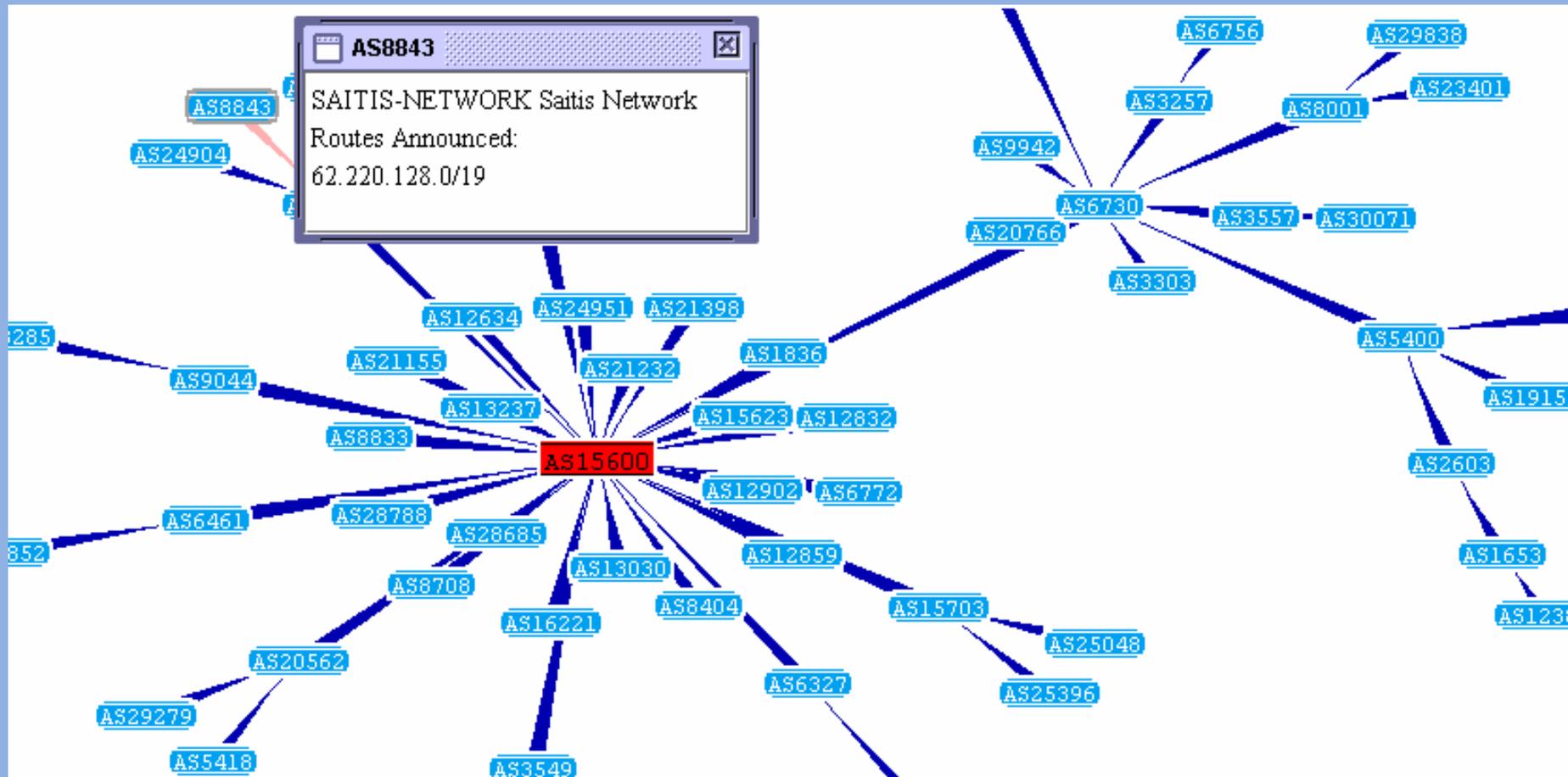
62.204.96.0/19 updated at 01-09-2003 05:13:22 path: 513 6730 15600
193.218.104.0/24 updated at 01-09-2003 05:13:28 path: 513 6730 15600
194.158.233.0/24 updated at 01-09-2003 05:13:31 path: **513 3320 3549 15600**
194.230.57.0/24 updated at 01-09-2003 05:13:30 path: **513 12350 15600**
195.65.76.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
195.65.77.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
195.65.78.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
212.60.32.0/19 updated at 01-09-2003 05:13:34 path: **513 6730 15600**
213.142.160.0/19 updated at 01-09-2003 05:13:34 path: 513 6730 15600
213.213.160.0/19 updated at 01-09-2003 05:13:34 path: 513 6730 15600
213.221.192.0/18 updated at 01-09-2003 05:13:34 path: 513 6730 15600

WARNING this neighbor does NOT have 194.230.79.32/27 in its routing table!

neighbor AS559 (194.42.48.11) : Some as paths are different

62.204.96.0/19 updated at 30-08-2003 20:40:38 path: 559 15600
193.218.104.0/24 updated at 30-08-2003 20:40:48 path: 559 15600
194.158.233.0/24 updated at 30-08-2003 20:40:49 path: **559 3549 15600**
[...]

beta tool – <http://www.netlantis.org/tglb/>



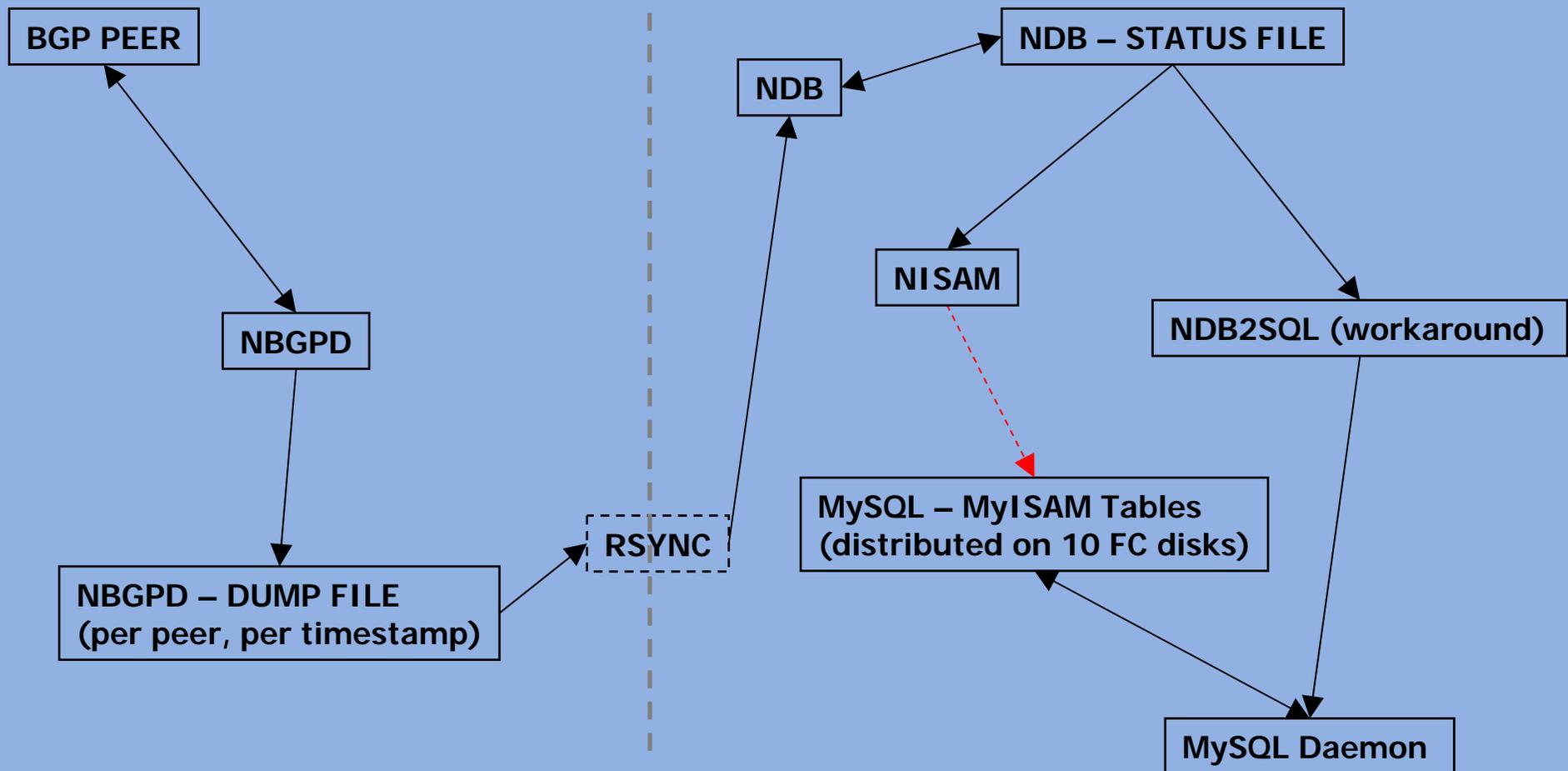
Based on the open source java appled "TouchGraph Link Browser" - <http://www.touchgraph.com>

Some numbers...

- over 16'000'000 prefixes in the database
- almost 150 active BGP peers
- 10 Route Collectors, USA(4), Switzerland(2), Sweden, Singapore, Germany, South Africa

ROUTE COLLECTOR

CENTRAL SERVER



- Established in January 2004
- Legal status
- Promotion of the netlantis site
- Search for sponsors / donators
- Membership 100CHF / year (~65 EUR)



Q&A

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<http://www.netlantis.org>