

# NETLANTIS @ FRnOG-5

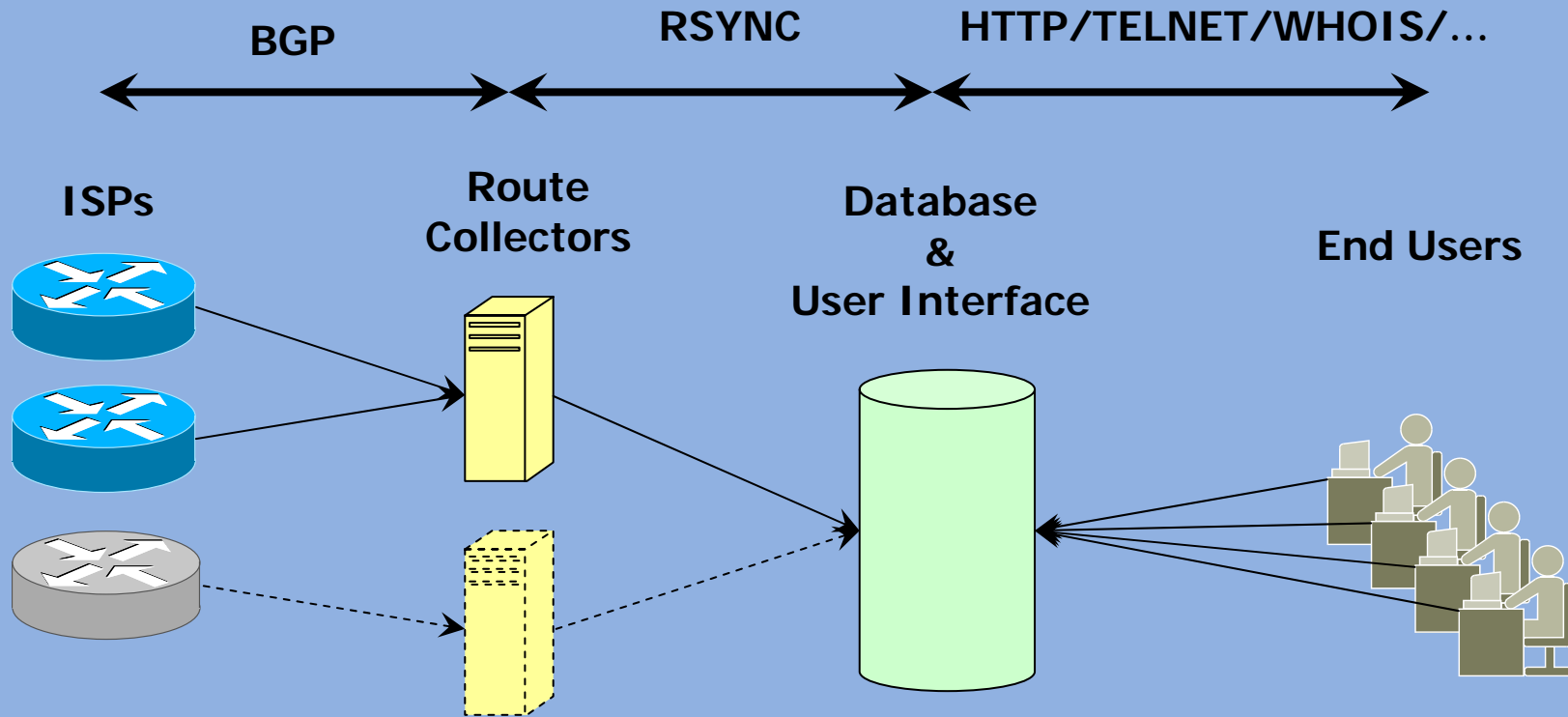
Speaker:

**Pascal Gloor**

# What is NETLANTIS?

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

## How does it work?

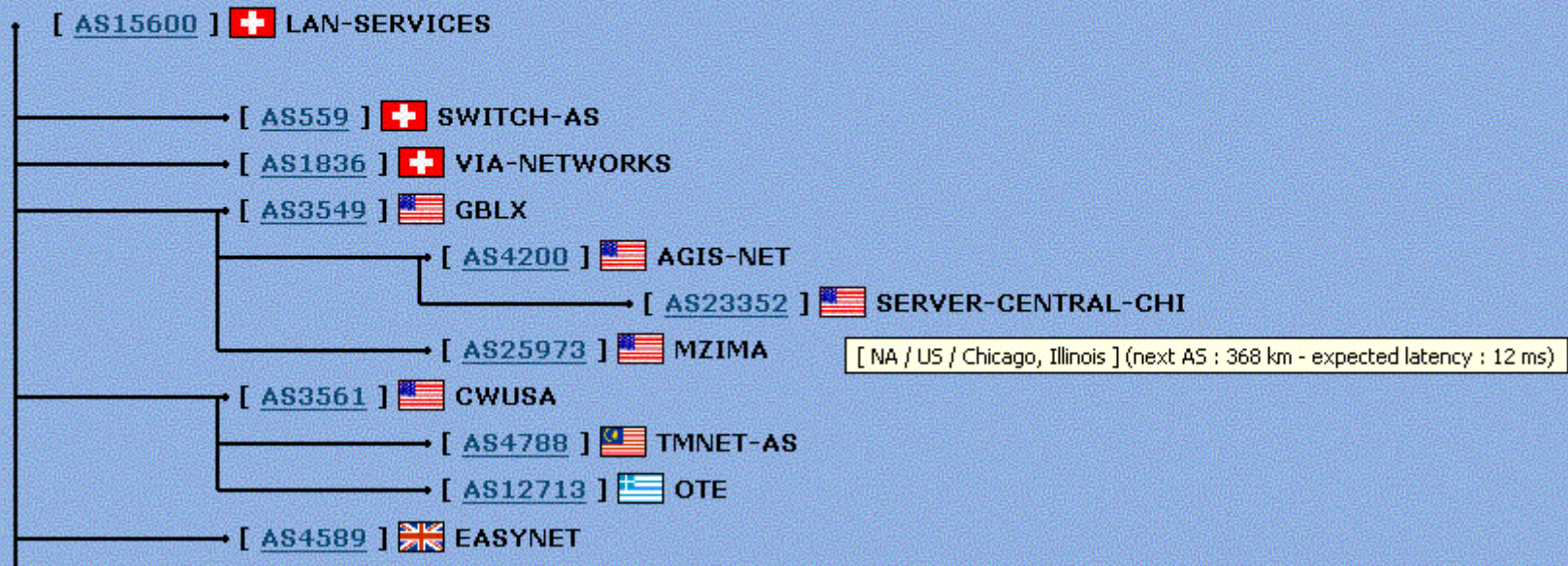


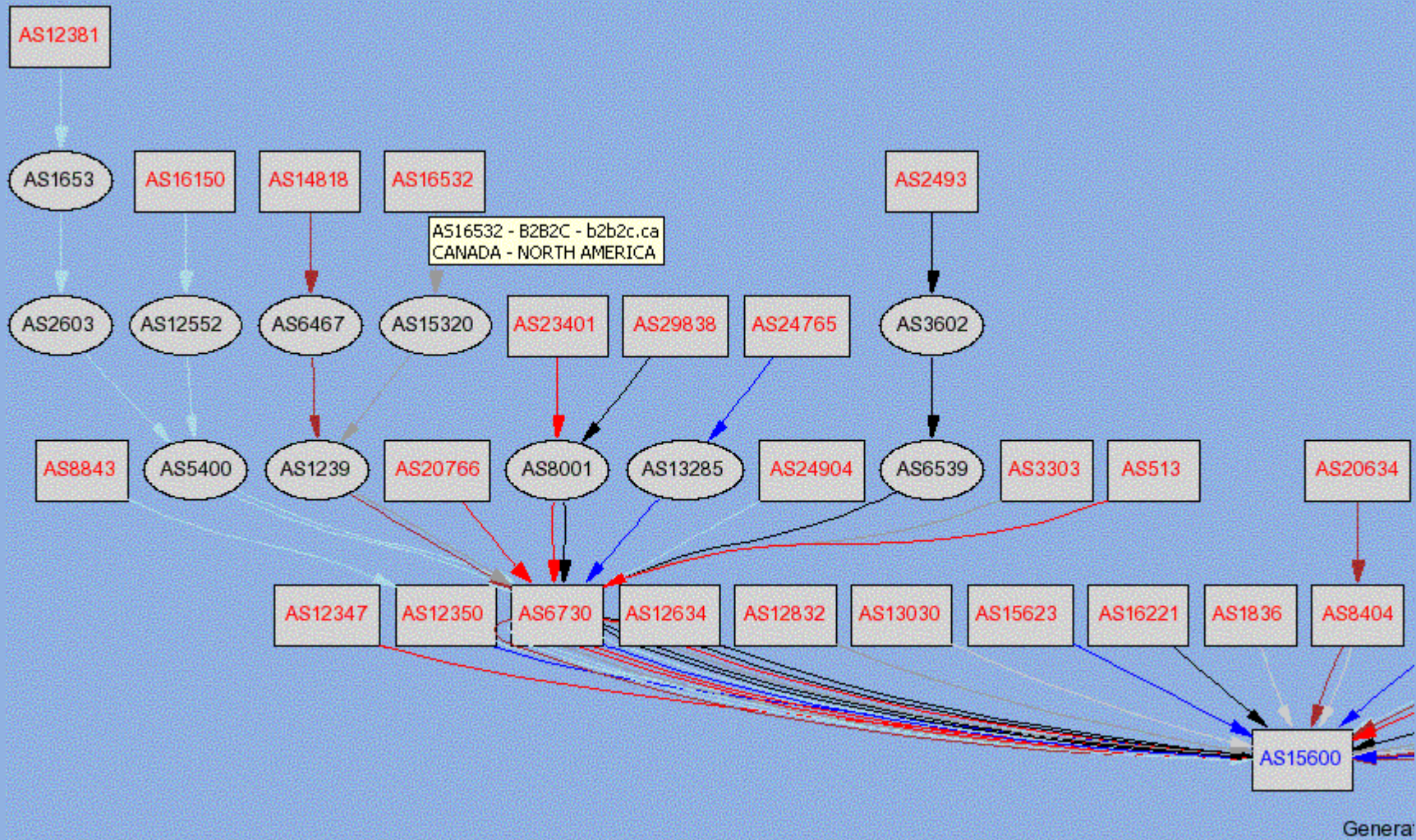
- **Graphical tools**
  - GASP (Graphical AS Paths)
  - AS MATRIX (graphical representation of AS PATHS, using 'graphviz')
  - ...
- **Analysis tools**
  - Check your AS
  - Bogus ASN in paths
  - Bogus prefixes
  - Different Graphs (IPv4 usage / prefix counter / ... )
  - ...
- **Miscellaneous tools**
  - 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

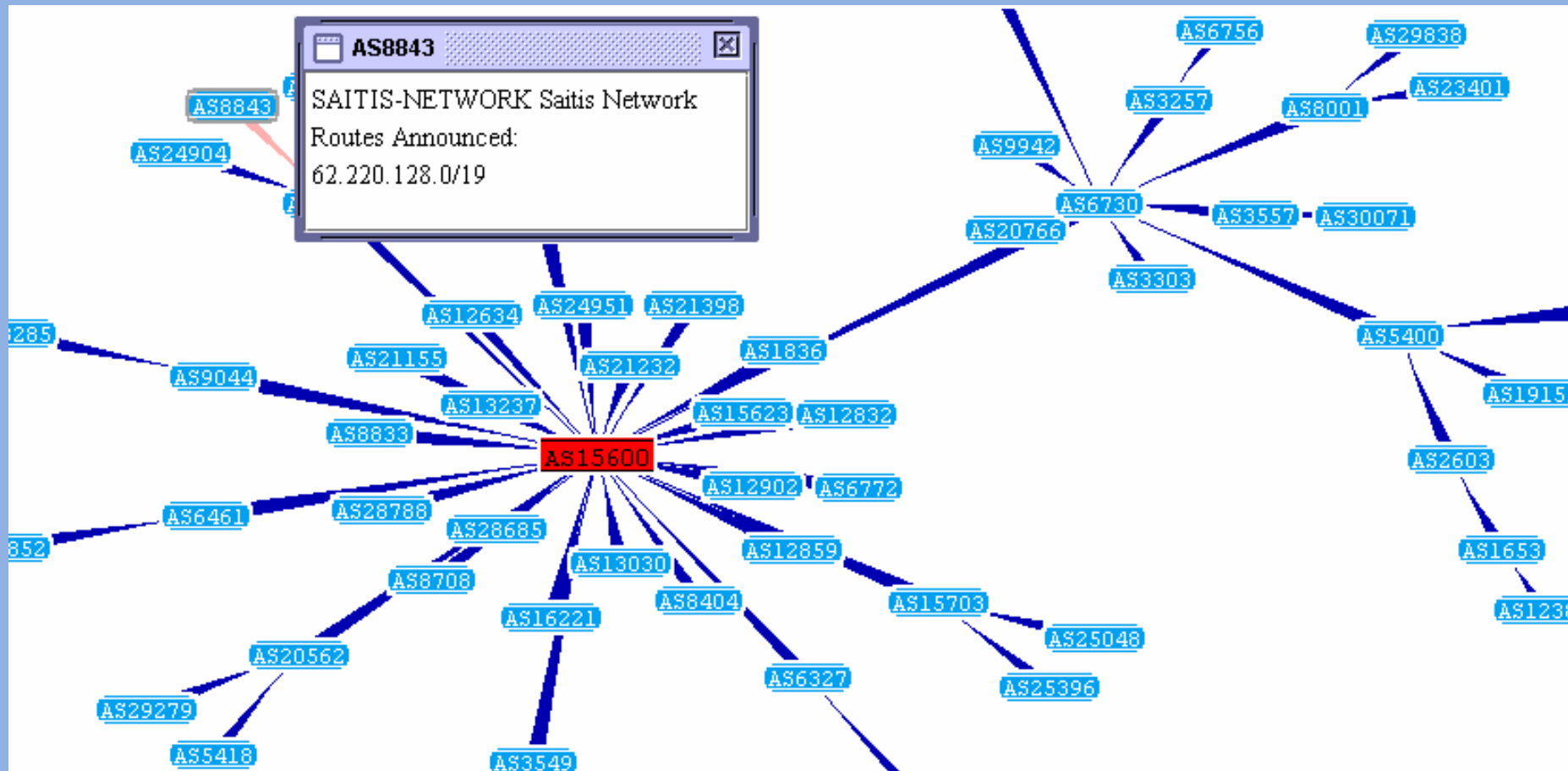
62.204.96.0/19 updated at 01-09-2003 05:13:22 path: 513 6730 15600  
193.218.104.0/24 updated at 01-09-2003 05:13:28 path: 513 6730 15600  
194.158.233.0/24 updated at 01-09-2003 05:13:31 path: **513 3320 3549 15600**  
194.230.57.0/24 updated at 01-09-2003 05:13:30 path: **513 12350 15600**  
195.65.76.0/24 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>

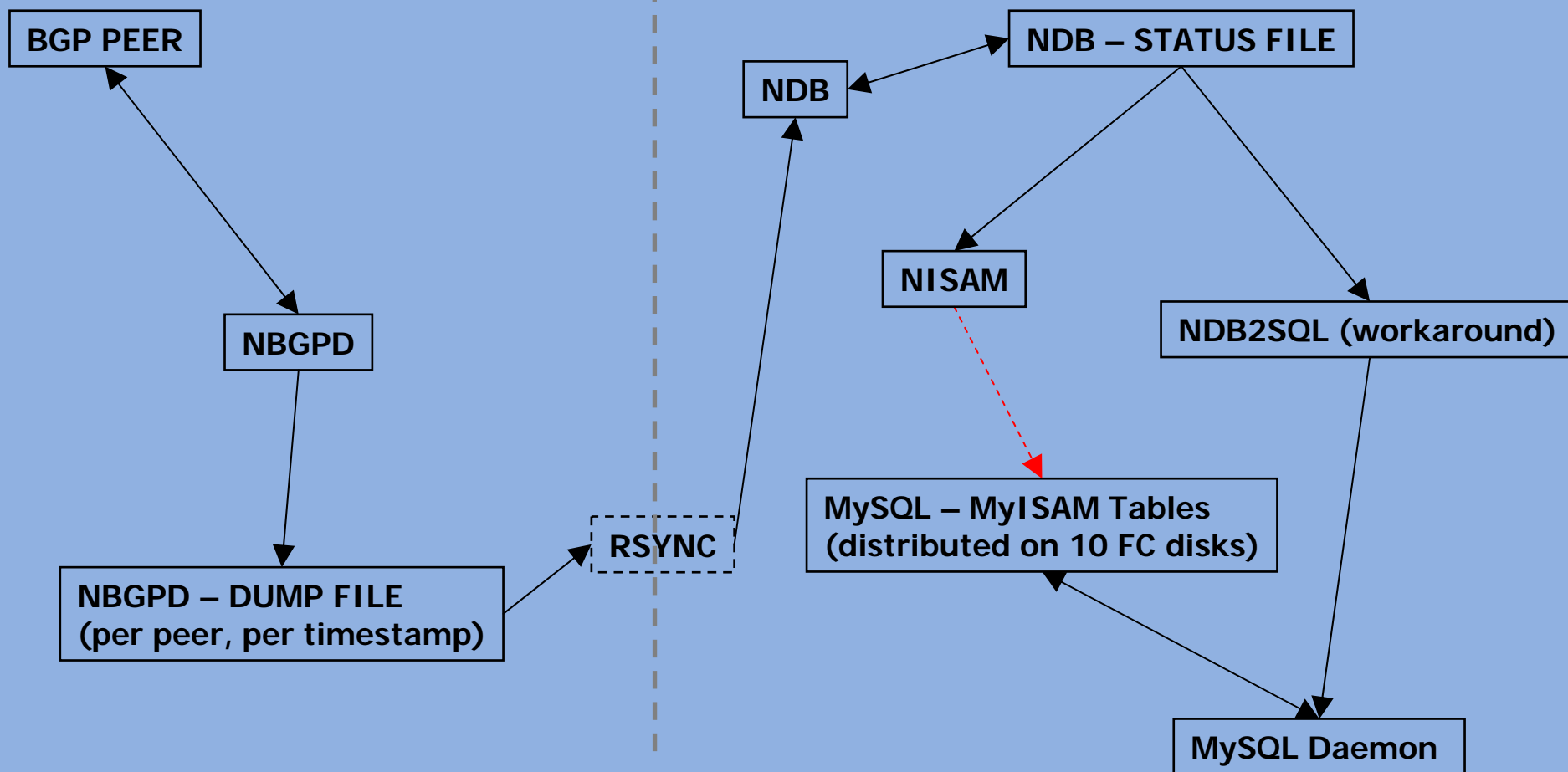


## Some numbers...

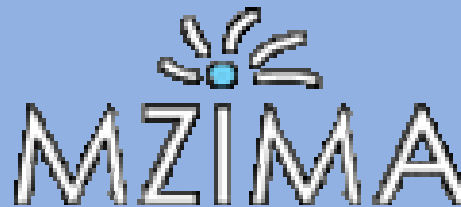
- over 16'000'000 prefixes in the database
- almost 150 active BGP peers
- 10 Route Collectors, USA(4), Switzerland(2), Sweden, Singapore, Germany, South Africa

### 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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