



THE NETLANTIS PROJECT

Speakers:

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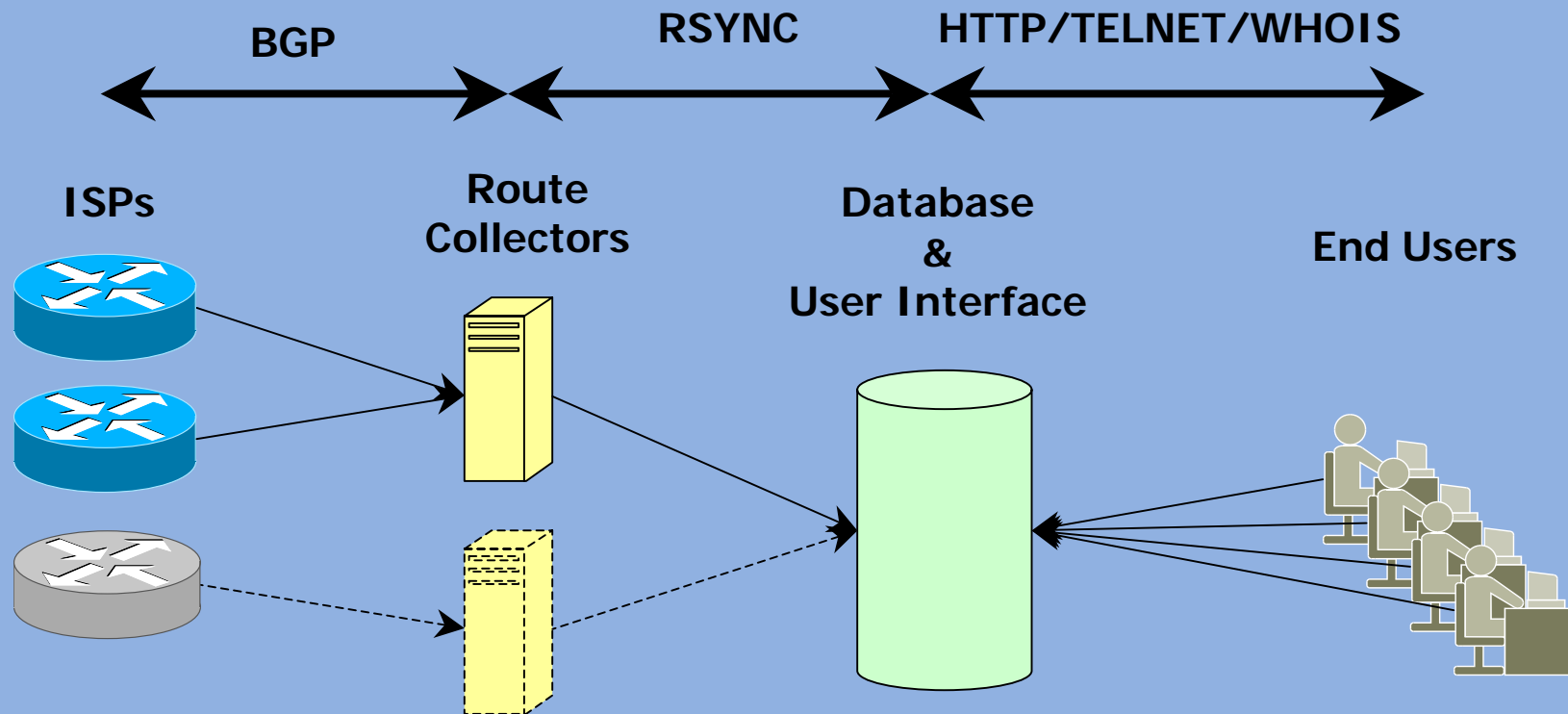
and

Philippe Bourcier

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 (available soon)
- ...

- **Miscellaneous tools**

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

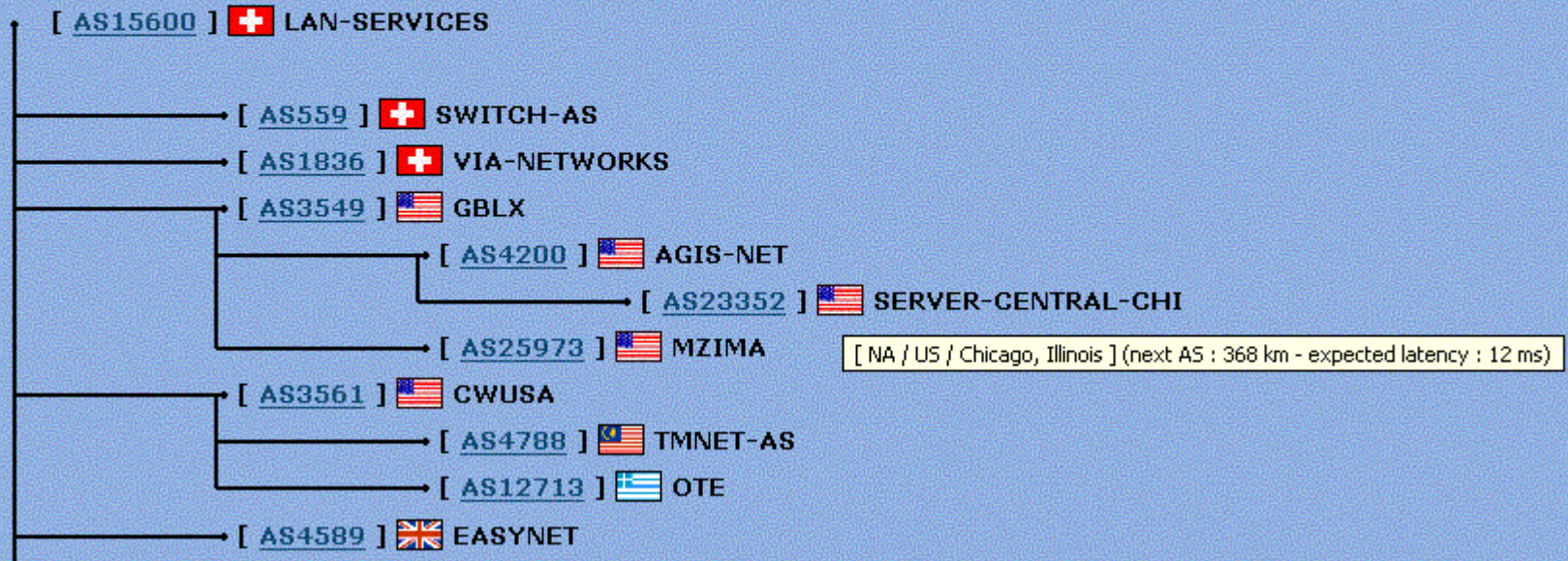
- **Future tools**

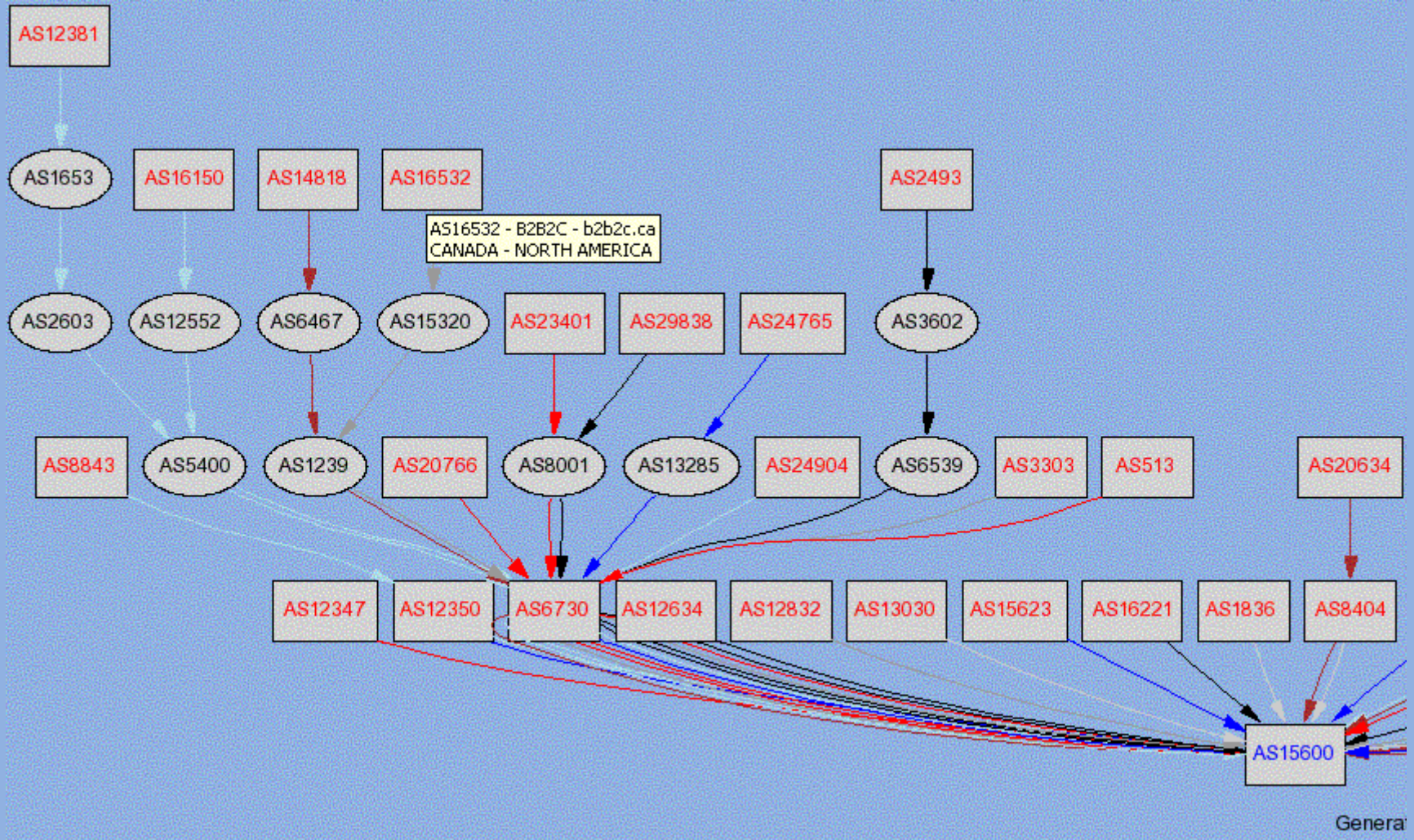
- Neteo
- BGPmon
- RootzMap
- Java AS MATRIX
- (your tools?)
- ...

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

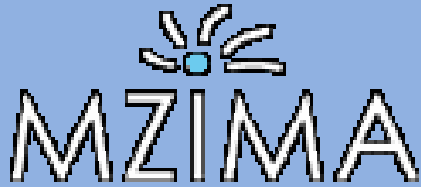
WARNING this neighbor does NOT have 194.230.79.32/27 in its routing table!

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**
[...]

Some numbers...

- MySQL tuned to handle up to 800 updates / sec
- over 5'500'000 prefixes in the database
- over 50 BGP peers
- 5 Route Collectors, 2 USA, 3 Europe (one shared with RIPE NCC RIS Project RRC09)



YOU ?





Q&A

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