

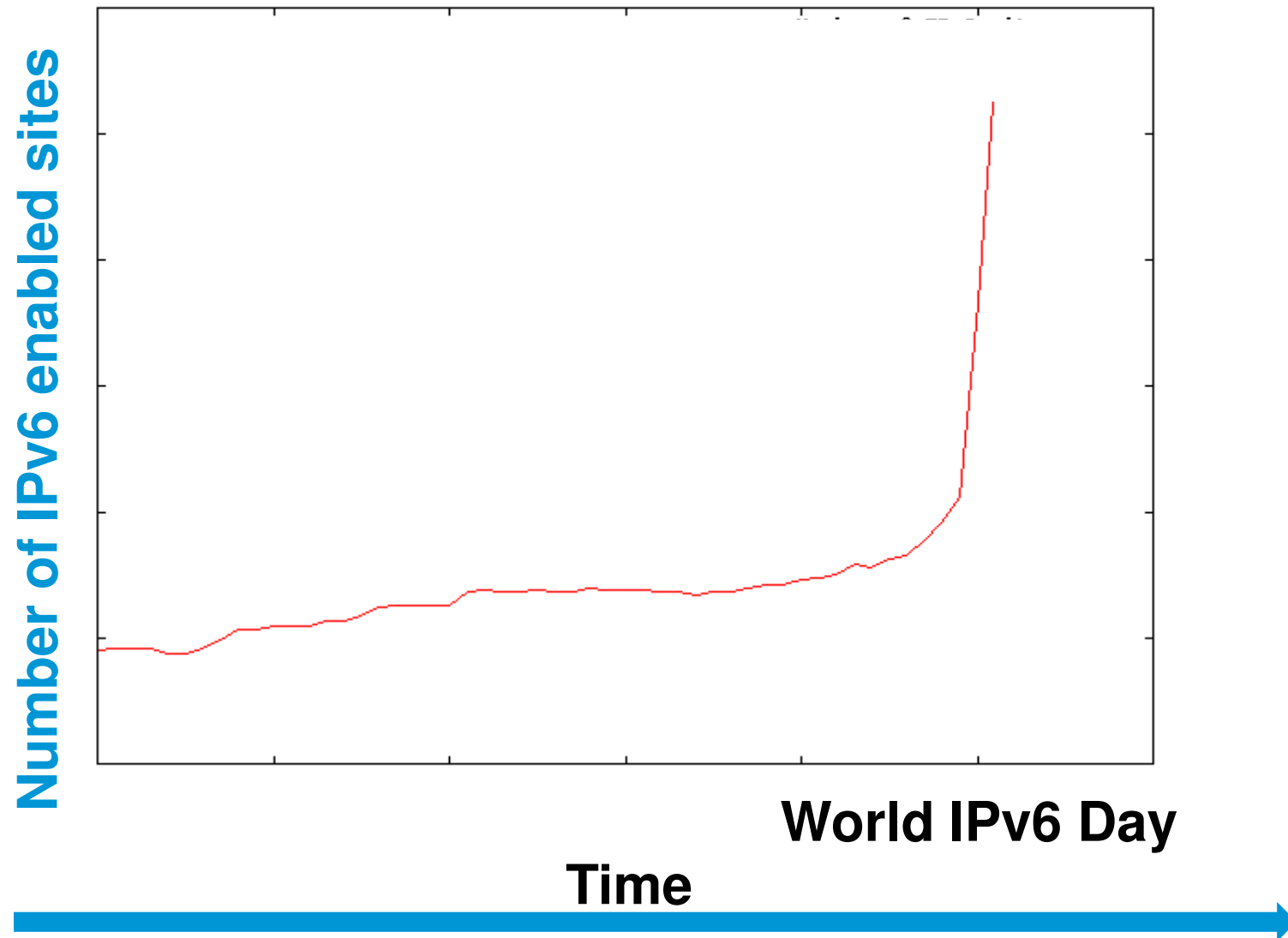


World IPv6 Day

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Number of IPv6-enabled websites



21% of the top 500 sites IPv6-enabled



World IPv6 Day

Cisco's Participation

- Cisco participation

Cisco confirmed participation in Jan 2011 as the first equipment vendor to commit – followed soon after by other vendors

(<http://blogs.cisco.com/news/world-ipv6-day-working-together-towards-a-new-internet-protocol/>)

- Business drivers for Cisco participating

Encourage broader adoption of IPv6

Demonstrate Mindshare and leadership in IPv6

- Cisco IT drivers

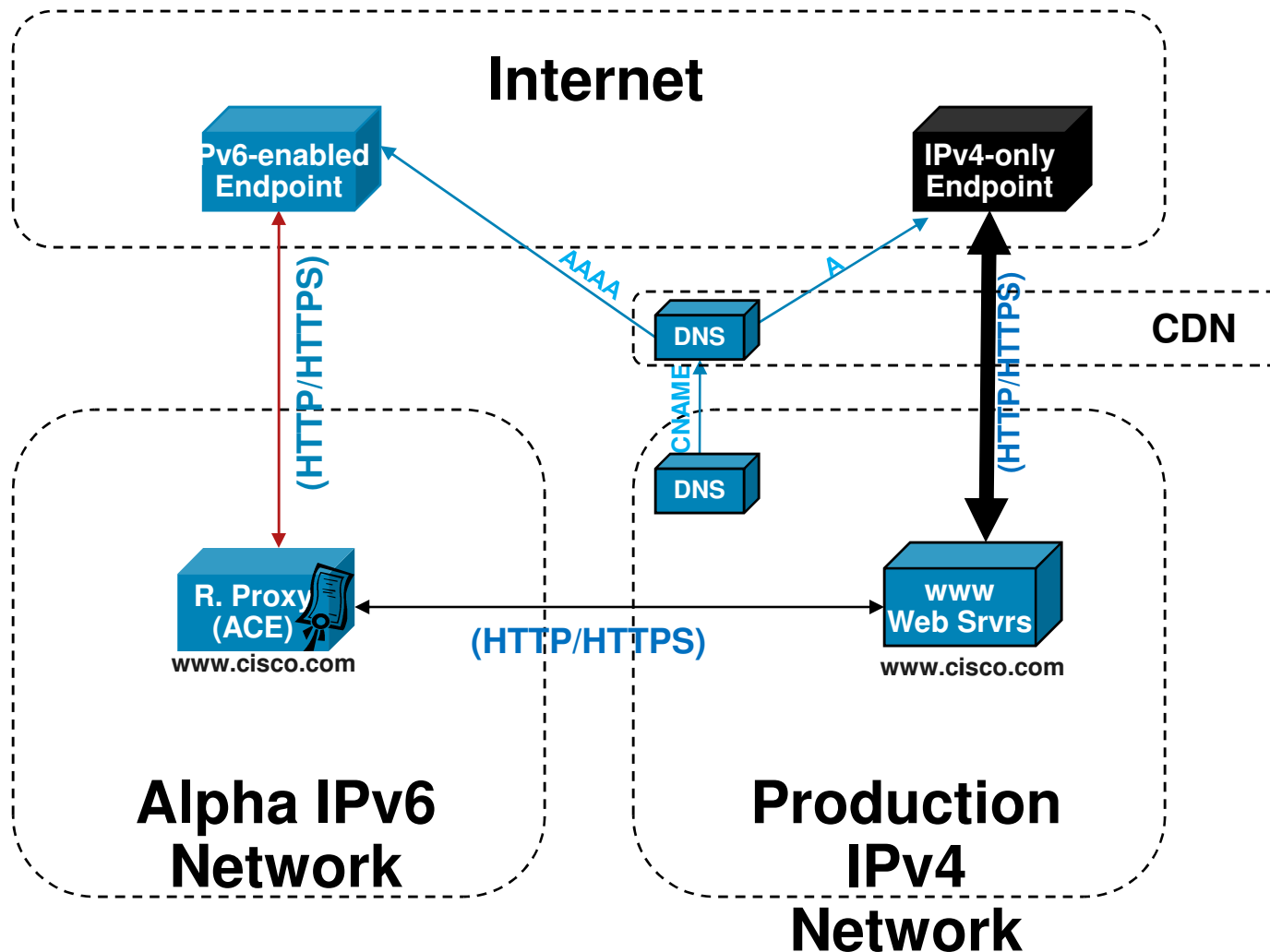
Raise internal IT awareness and understanding of IPv6

Opportunity for safe experimentation

Potential re-use of design as an interim production solution

World IPv6 Day

Solution Concept for www.cisco.com



World IPv6 Day

Vital Statistics for the 24Hrs

- 1.2% (14.38GB) of total traffic hitting www.cisco.com was IPv6
- 1.5% (8502) of Unique IPs hitting www.cisco.com were IPv6
- No support cases created


And It Worked...





What can I do to prepare?


Test your IPv6 connectivity.


[Summary](#) [Tests Run](#) [Technical Info](#) [Share Results / Contact](#)

 Your IPv4 address on the public internet appears to be 64.102.254.33

 Your IPv6 address on the public internet appears to be 2001:420:2cff:1::13

 [World IPv6 day](#) is June 8th, 2011. **No problems are anticipated for you** with this browser, at this location. [\[more info\]](#)

 Congratulations! You appear to have both IPv4 and IPv6 internet working. If a publisher publishes to IPv6, your browser will connect using IPv6. Your browser prefers IPv6 over IPv4 when given the choice (this is the expected outcome).

 Your DNS server (possibly run by your ISP) appears to have no access to the IPv6 internet, or is not configured to use it. This may in the future restrict your ability to reach IPv6-only sites. [\[more info\]](#)

Your readiness scores

10/10 for your IPv4 stability and readiness, when publishers offer both IPv4 and IPv6

9/10 for your IPv6 stability and readiness, when publishers are forced to go IPv6 only

Click to see [test data](#)

(Updated server side IPv6 readiness stats)

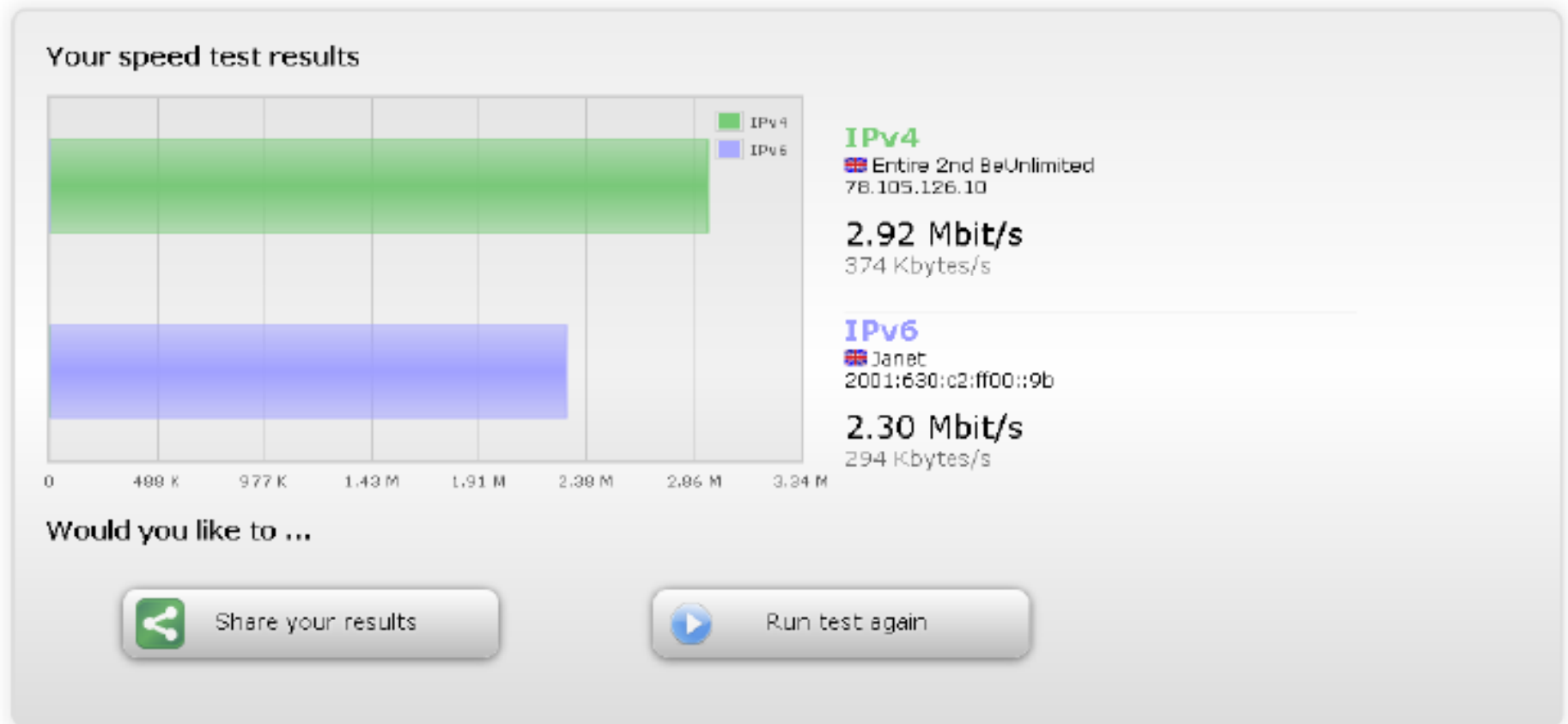
<http://test-ipv6.com/>
<http://ipv6-test.com>

<http://labs.apnic.net>

IPv6 Speed from Home

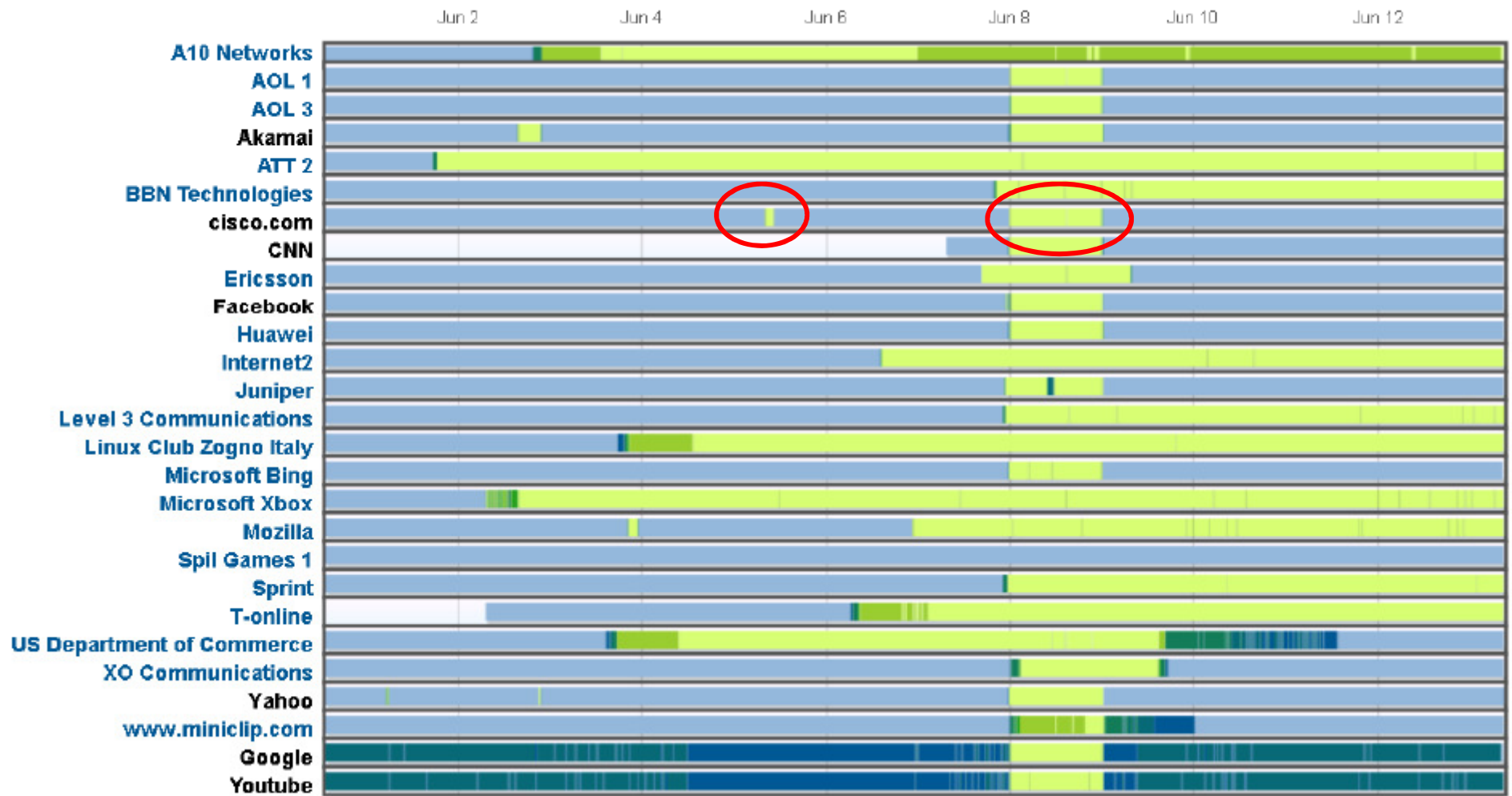
<http://ipv6-test.com/speedtest/> (Roubaix test server)

On this page you can test the speed of your broadband connection, and compare the performance of your IPv4 and IPv6 connectivity.



AAAA Records

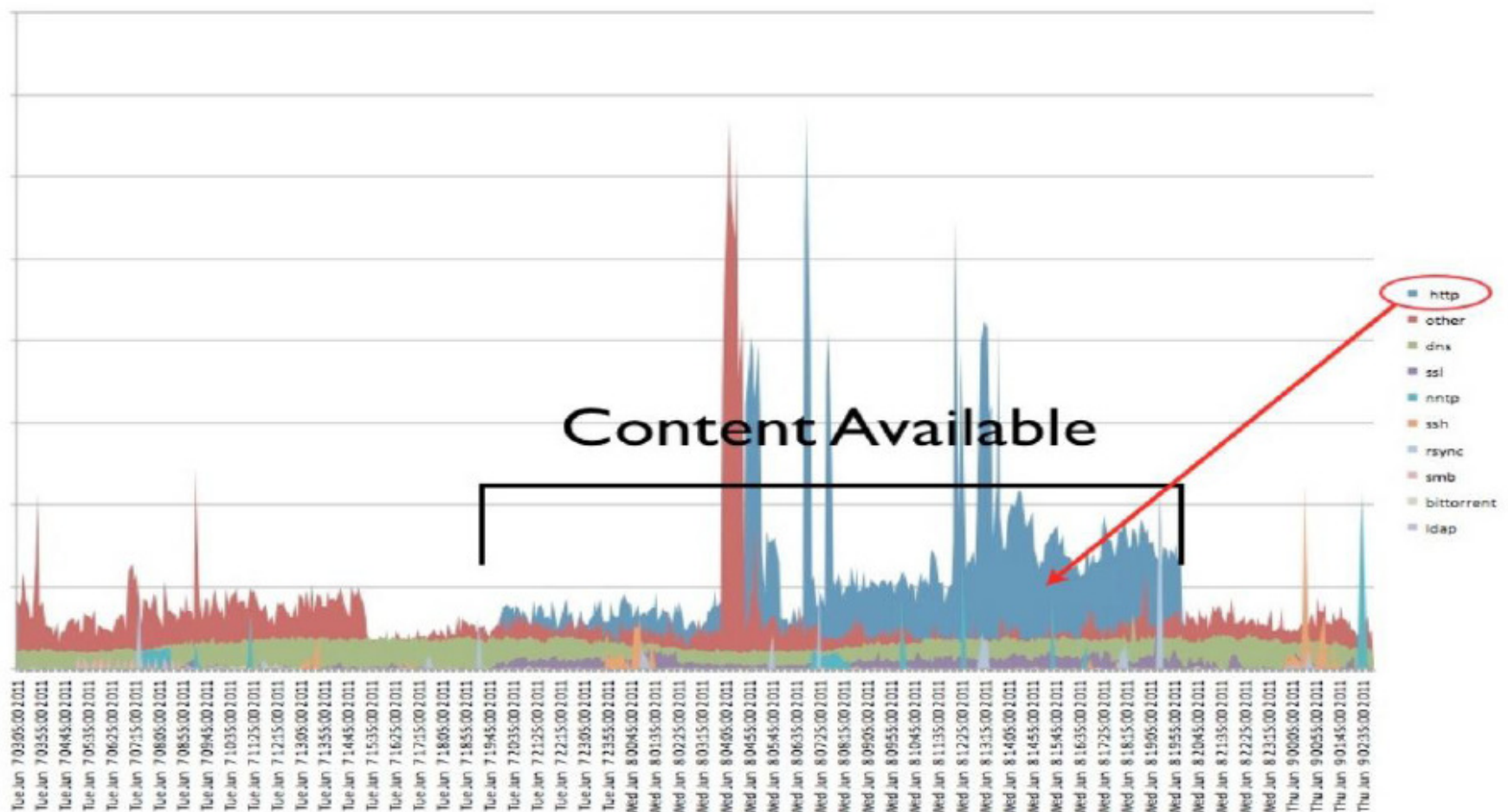
<http://v6day.ripe.net/cgi-bin/index.cgi>



IPv6 Traffic

<http://asert.arbornetworks.com/2011/06/world-ipv6-day-final-look-and-wagons-ho/>

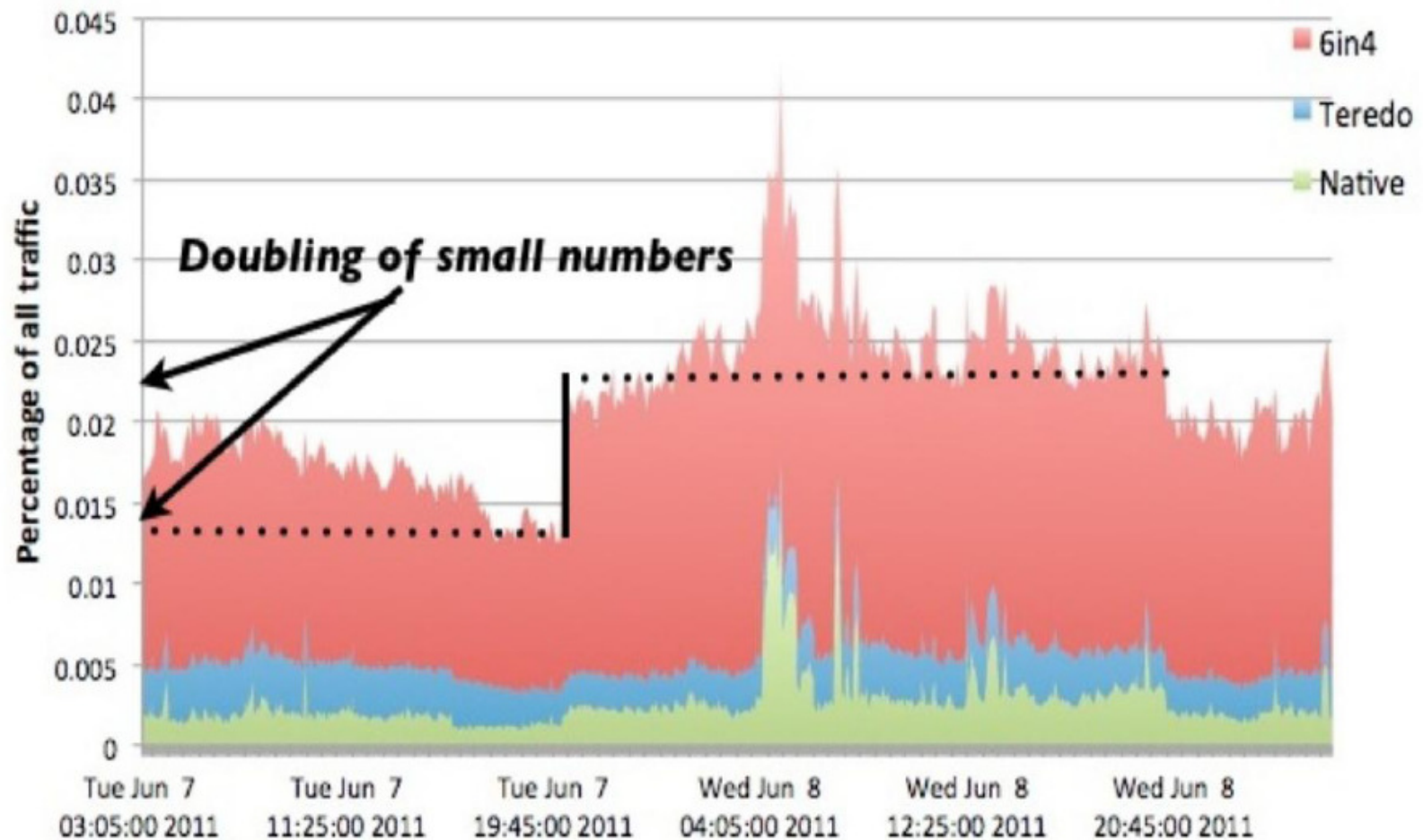
Figure 1. Application breakdown for native IPv6 traffic from our six carrier partners.



IPv6 Traffic

<http://asert.arbornetworks.com/2011/06/world-ipv6-day-final-look-and-wagons-ho/>

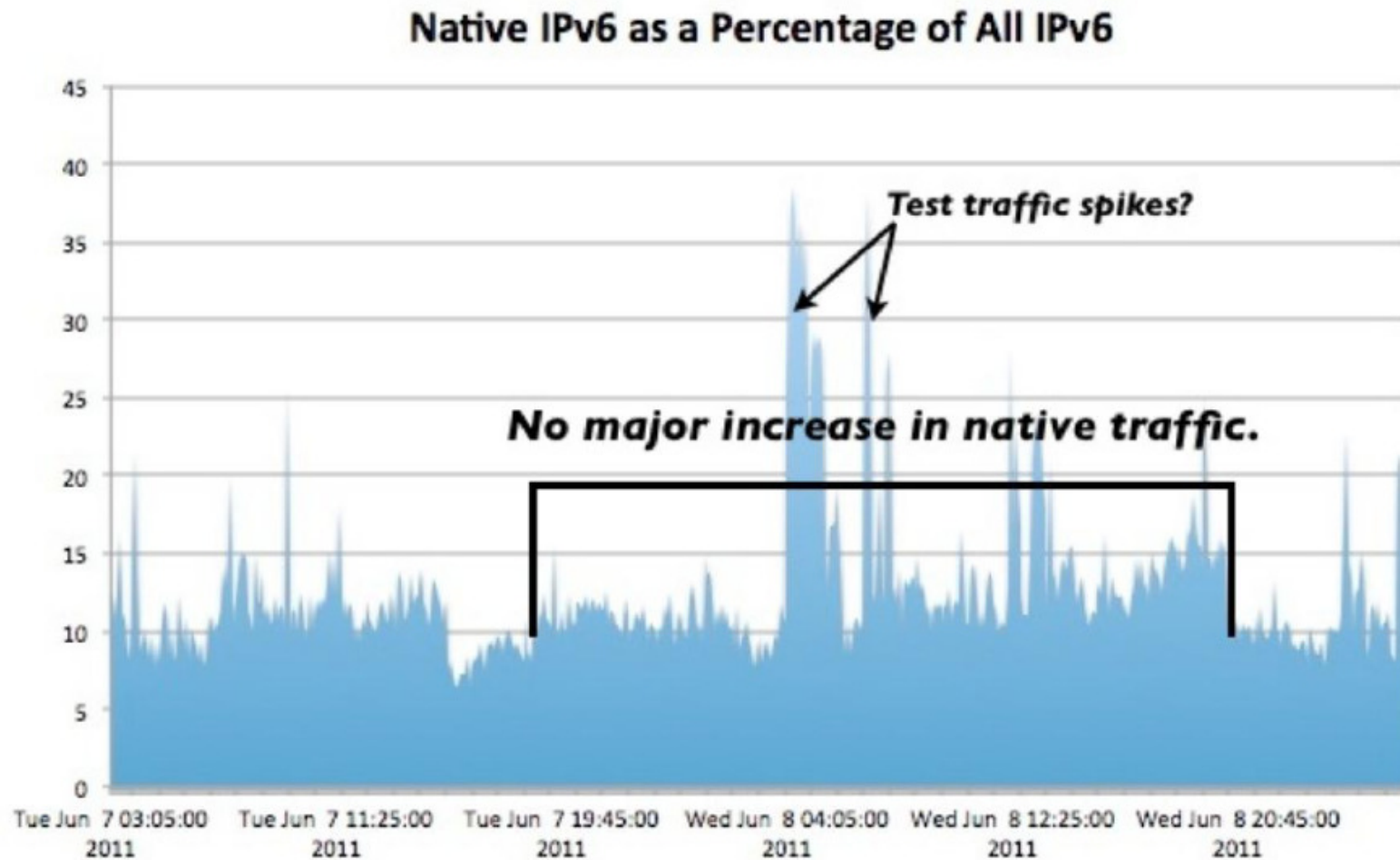
Figure 2. Percentage of IPv6 traffic of all Internet traffic in our six carrier partners.



IPv6 Traffic

<http://asert.arbornetworks.com/2011/06/world-ipv6-day-final-look-and-wagons-ho/>

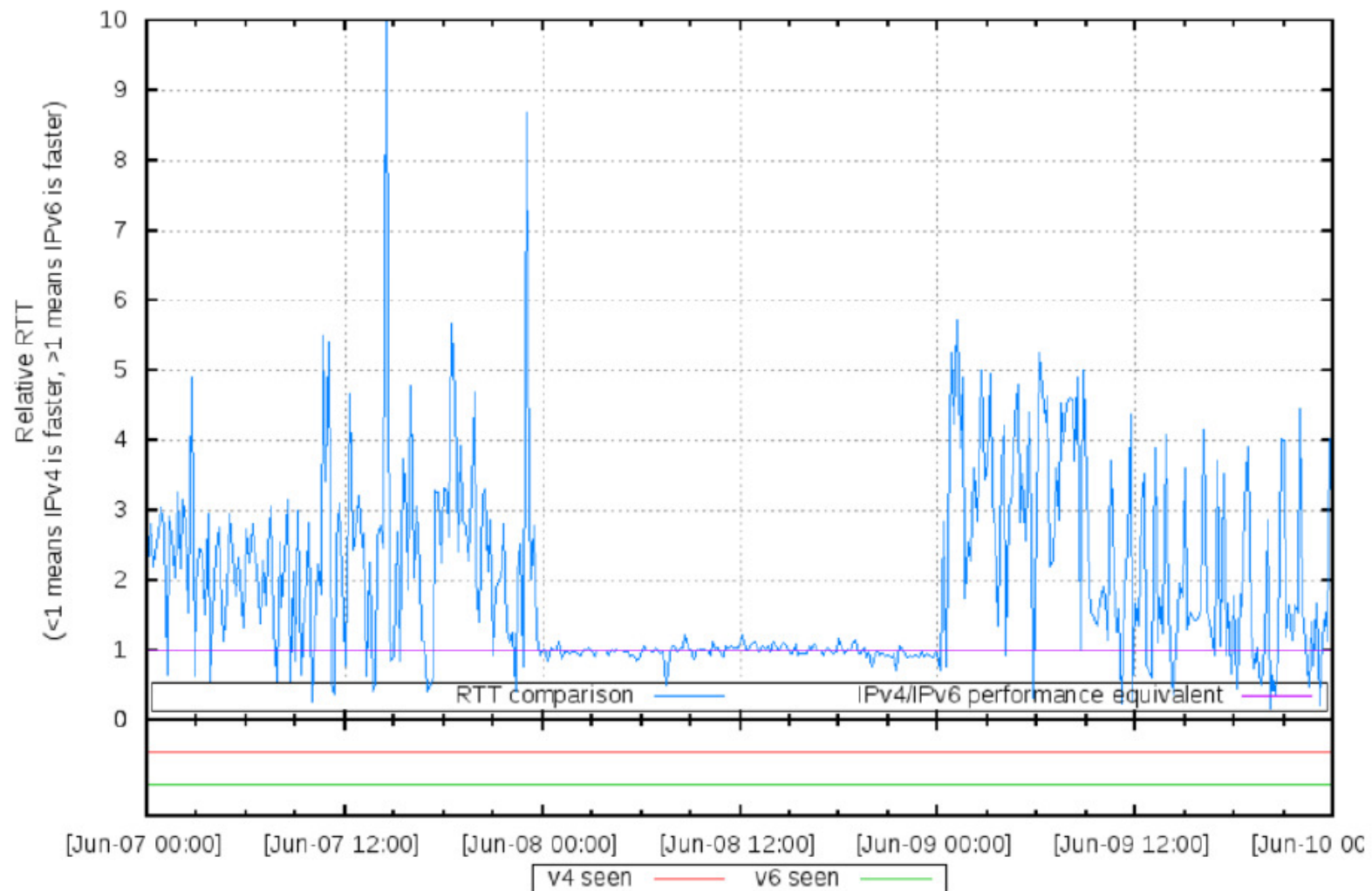
Figure 3. Proportion of Native IPv6 traffic versus total IPv6 traffic in our six carrier partners.



RTT - Google

Show results for: target: as seen from:

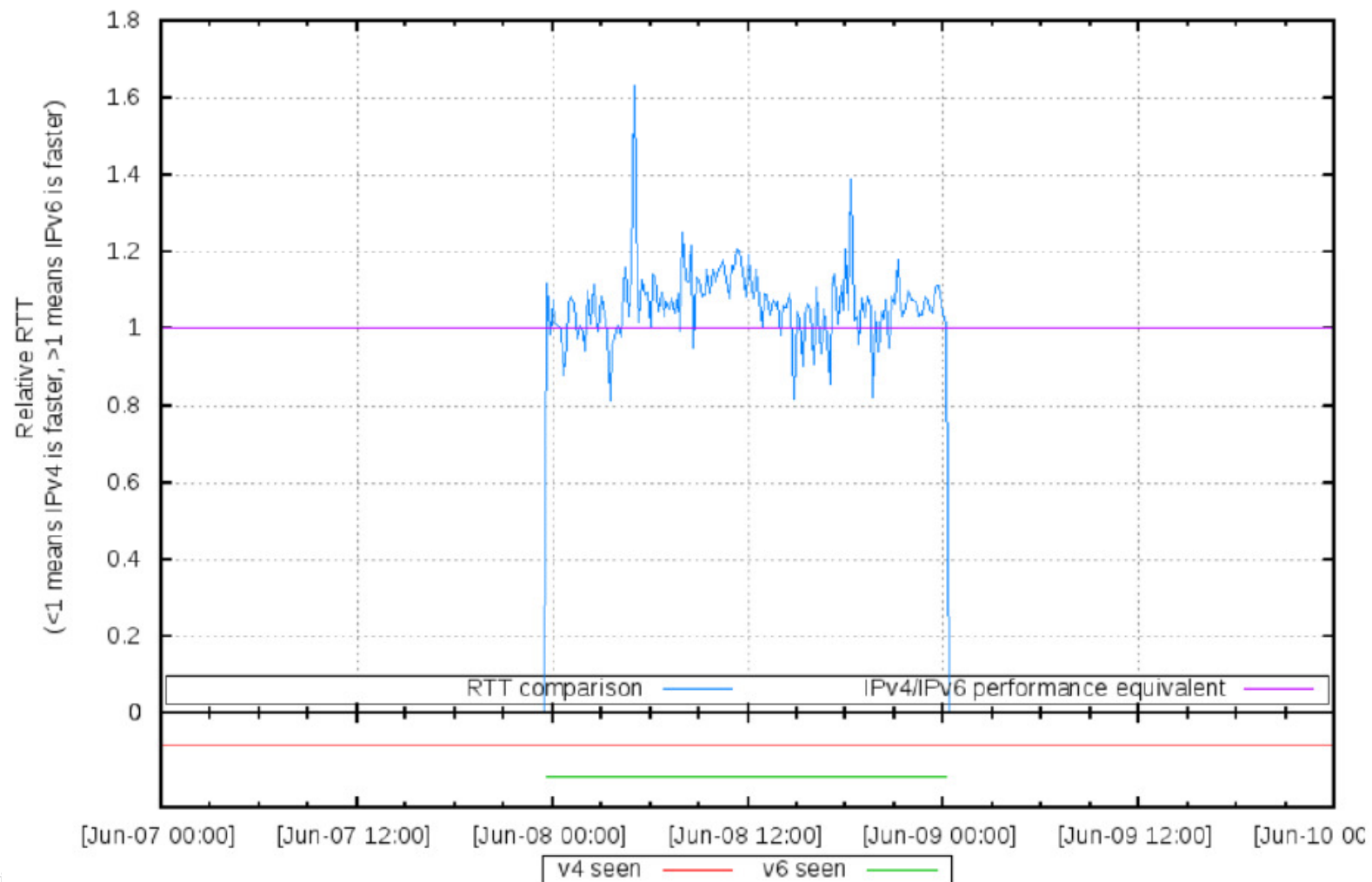
Ping (RTT) difference in the last 48 hours, from all vantage points to Google
as of 2011-06-16 19:18:20 UTC, target: primary site



RTT - Yahoo

Show results for: target: as seen from:

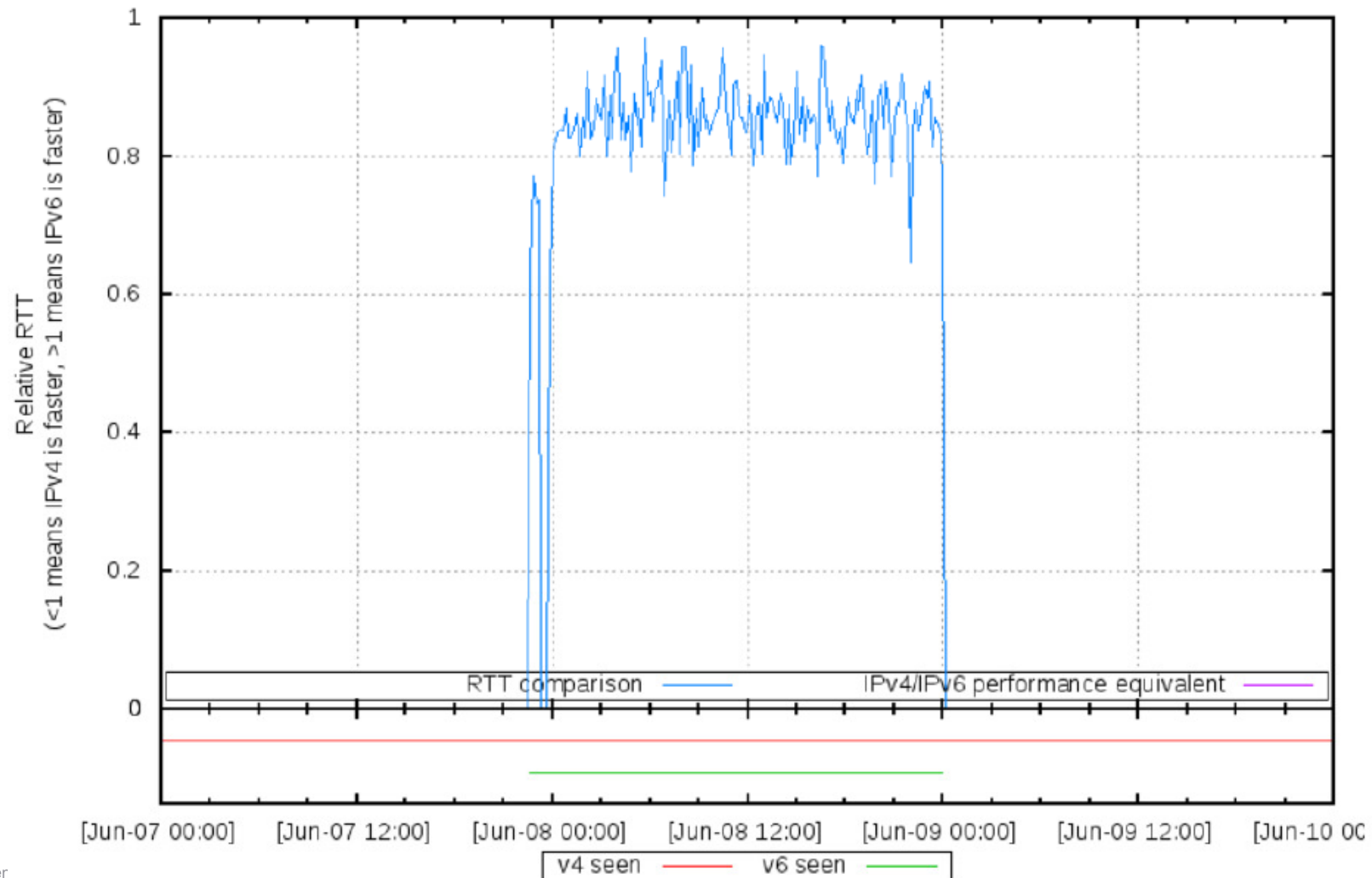
Ping (RTT) difference in the last 48 hours, from all vantage points to Yahoo
as of 2011-06-16 19:19:06 UTC, target: primary site



RTT - Facebook

show results for: target: as seen from:

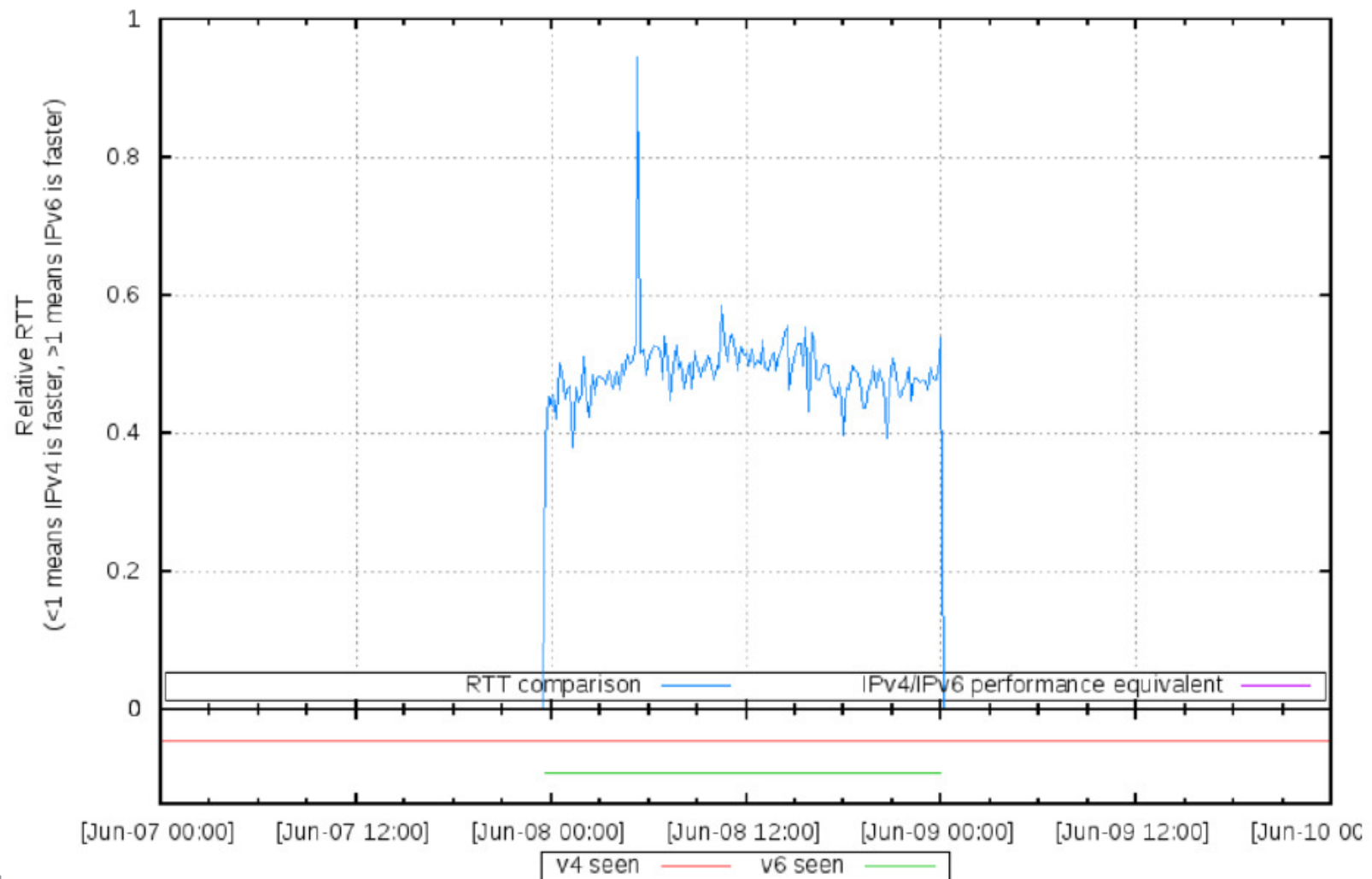
Ping (RTT) difference in the last 48 hours, from all vantage points to Facebook
as of 2011-06-16 19:19:34 UTC, target: primary site



RTT – Cisco

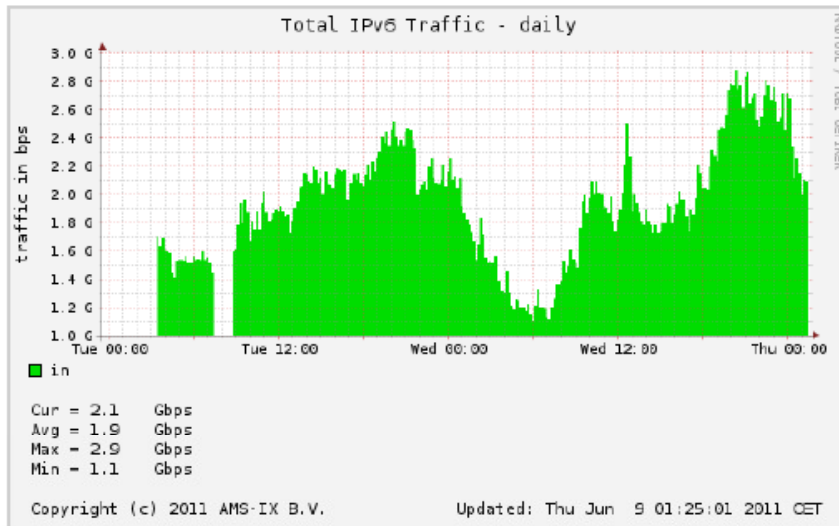
Show results for: target: as seen from:

Ping (RTT) difference in the last 48 hours, from all vantage points to cisco.com
as of 2011-06-16 19:19:53 UTC, target: primary site

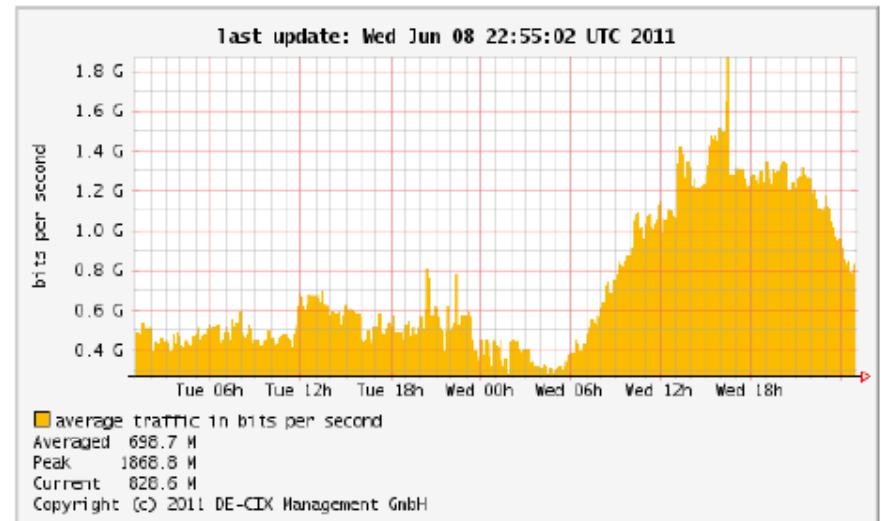


AMS-IX and DE-CIX Traffic Statistics

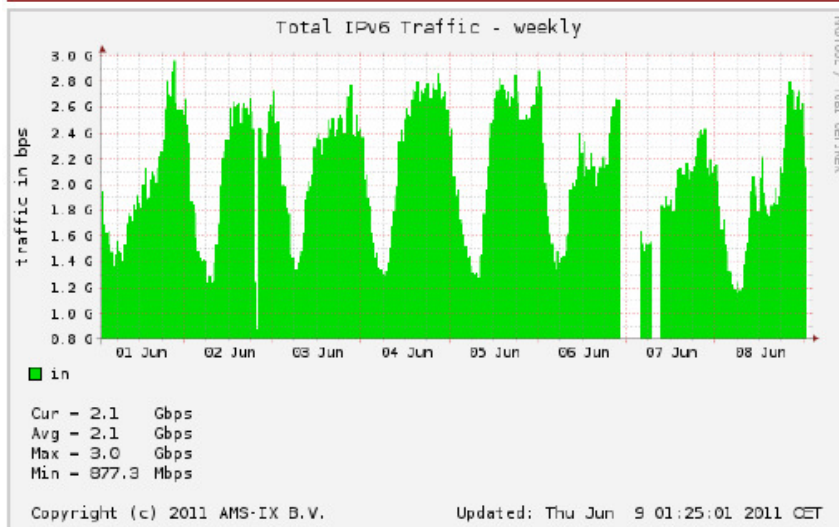
Total IPv6 Traffic - daily



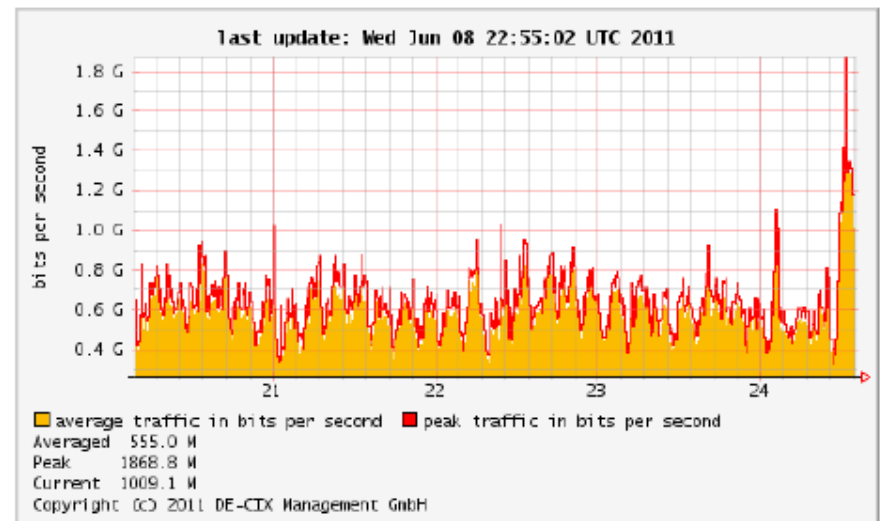
Daily Graph



Total IPv6 Traffic - weekly



Monthly Graph



The Day After the World IPv6 Day...

- YouTube (www.youtube.com) video streaming ONLY (flashplayer) remains on IPv6
- <http://developers.facebook.com/> remains on IPv6
- <http://www.scansafe.com/> remains on IPv6

“IPv4 was a lab experiment that escaped into the wild. There was always an intent to follow the experiment with a production version, and IPv6 is that production version.”

Vint Cerf
Google

