



THE FUTURE IS FOREVER
6 JUNE 2012

www.WorldIPv6Launch.org

World IPv6 Launch

www.worldipv6launch.org

When?

- Beginning 6 June 2012

What?

- IPv6 is part of regular business, on by default, no special configuration necessary for anyone anywhere

Who?

- Access networks, home router vendors, websites from around the world participated, for more info: www.worldipv6launch.org

Why?

- Acceleration: those already planning to roll-out IPv6 should accelerate their plans
- Adoption: those who don't have plans yet – it's safe now, please start
- Definition: industry leaders have established IPv6 as the new normal



World IPv6 Launch: Access Networks

Who?

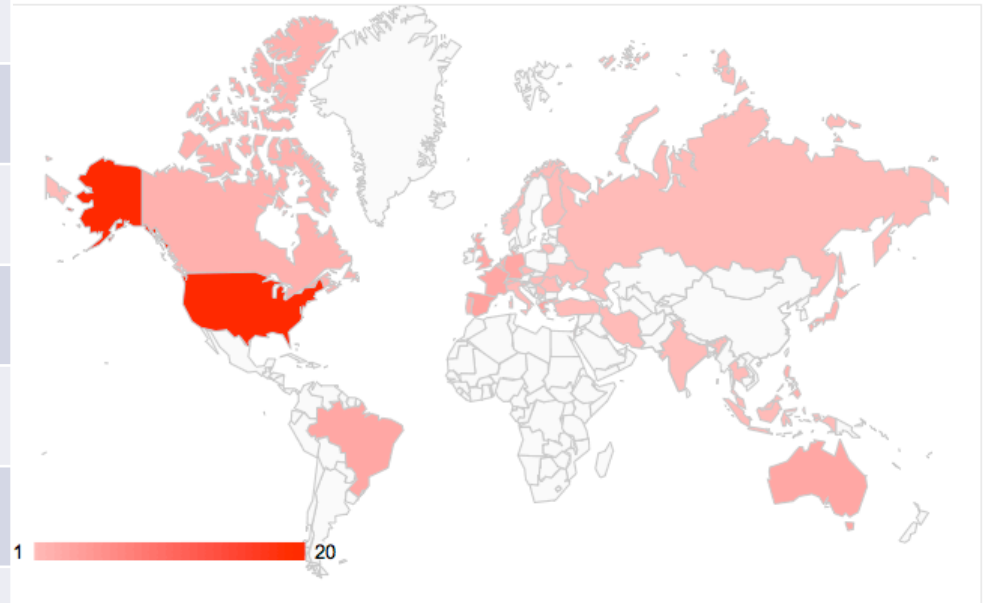
- ATT, Comcast, Free, Internode, KDDI, Time Warner Cable, and XS4ALL initially
- 69 networks achieved a measurable deployment with an average of at least 0.1%

IPv6 is part of Regular Business now

- New subscribers getting IPv6 on by default, no user config needed
- Goal: 1% of visits to big websites from participating networks use IPv6 by 6 June
- This was measured by Google, Facebook, and Yahoo! on 6 June, results: www.worldipv6launch.org/measurements
- Serious commitment from access networks, more soon
- Traffic depends on the end user equipment – note very high percentage usage from universities



Network	IPv6 traffic
Free	16.95%
ATT	5.65%
KDDI	11.42%
RCS & RDS	18.61%
Verizon Wireless	11.09%
Comcast	2.01%
Time Warner Cable	0.24%
XS4ALL	6.74%
Indiana University	44.13%
Virginia Tech	64.03%
Janet	2.56%
Swisscom	0.88%



Network operator measurements, 12th September 2012

Data sources: Google, Facebook, Yahoo!
 For measurement methodology details, see <http://www.worldipv6launch.org/apps/ipv6week/measurement/timeline-nets.html#notes>



World IPv6 Launch: Home Router Vendors

Who?

- Cisco and D-Link initially
- 3 other home router vendors joined

IPv6 is part of Regular Business now

- Majority of products shipping with IPv6 on by default
- No user configuration is required to use IPv6
- V6 interoperability verified by UNH-IOL
- Great start - much work remains to be done for all sorts of consumer devices



World IPv6 Launch: Websites

Who?

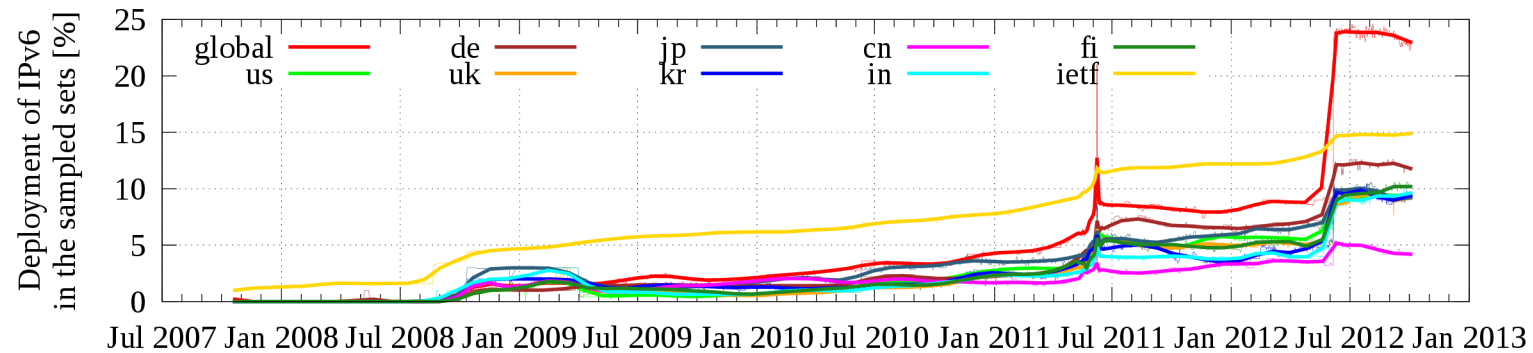
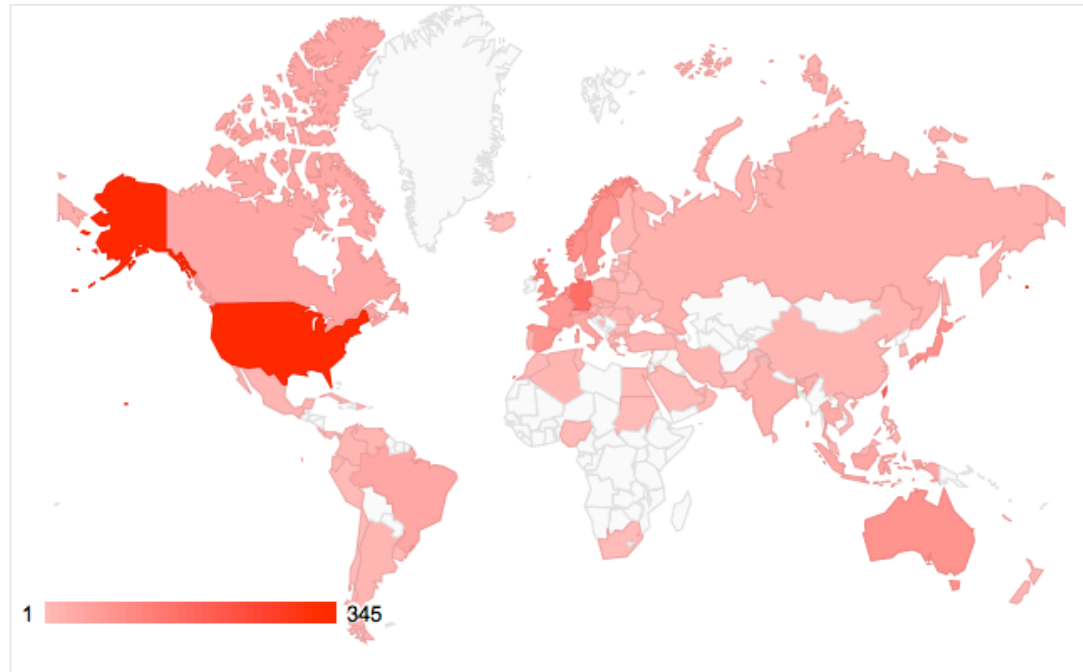
- Facebook, Google, Microsoft Bing, and Yahoo! initially
- 2300 websites turned up IPv6

IPv6 is part of Regular Business now

- IPv6 is enabled on the main website
- No IPv6 specific URLs (www.ipv6.example.com) or mirror sites
- IPv6 enabled users use IPv6 without doing anything
- Big content available over IPv6 now: Google, Facebook, YouTube, Yahoo!, Bing, Wikipedia, Netflix, etc.
- Over 10% of Alexa top 1,000 sites serve IPv6 now



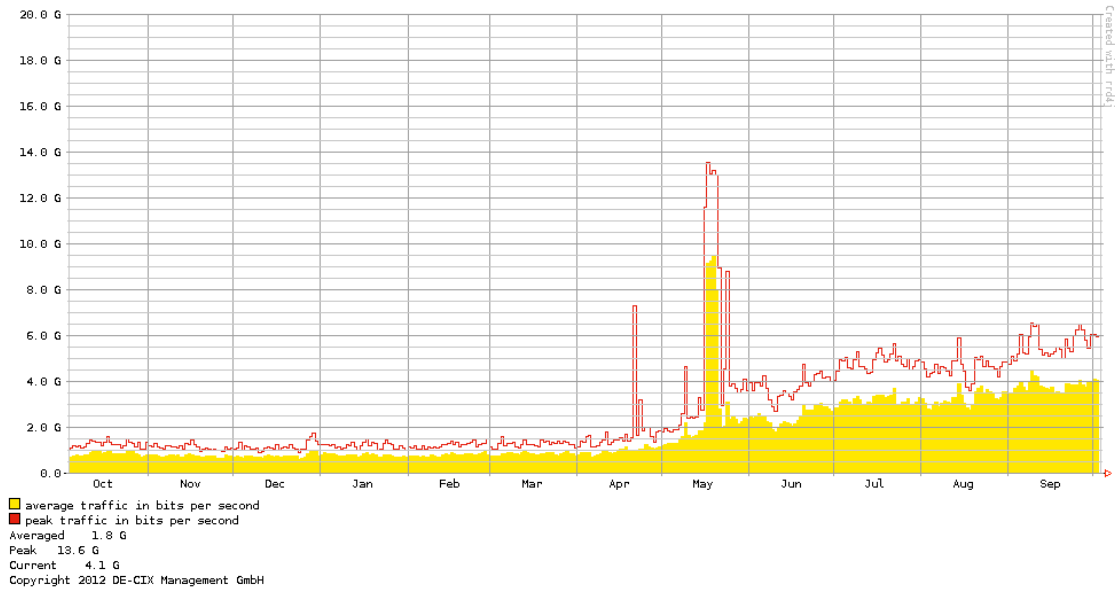
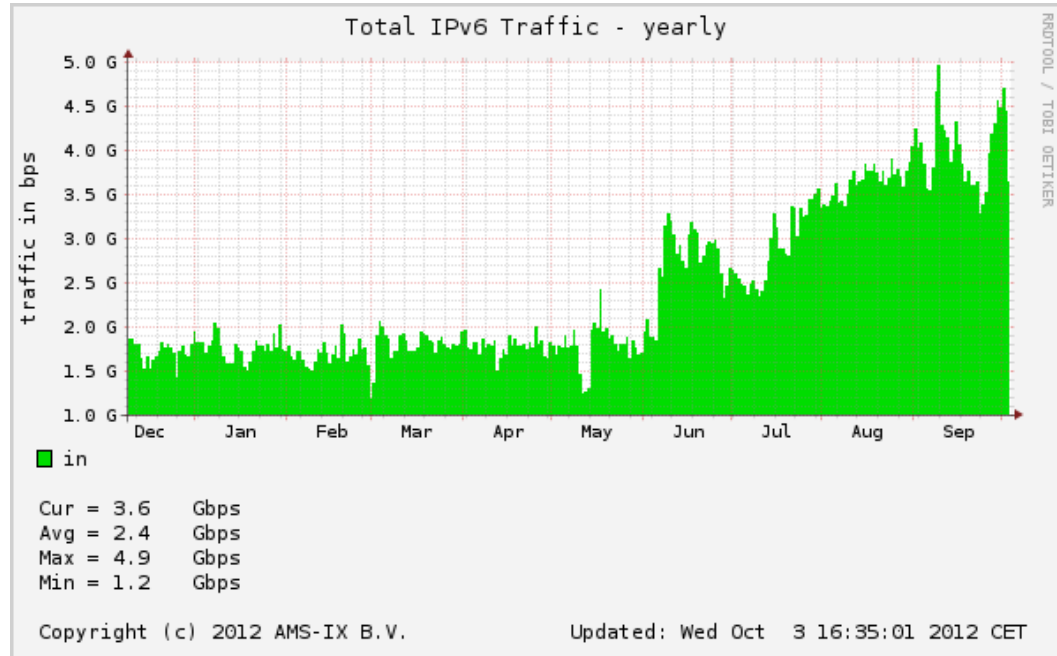
Websites – breadth and impact



Source: Lars Eggert, <http://eggert.org/meter/ipv6>



Traffic



Sources: AMS-IX, DE-CIX



Advantage: Follower



<<http://www.flickr.com/photos/michael-panse-mdl/3707169164/>> (CC BY-ND 2.0)



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