

Dude, where's my IPv6?

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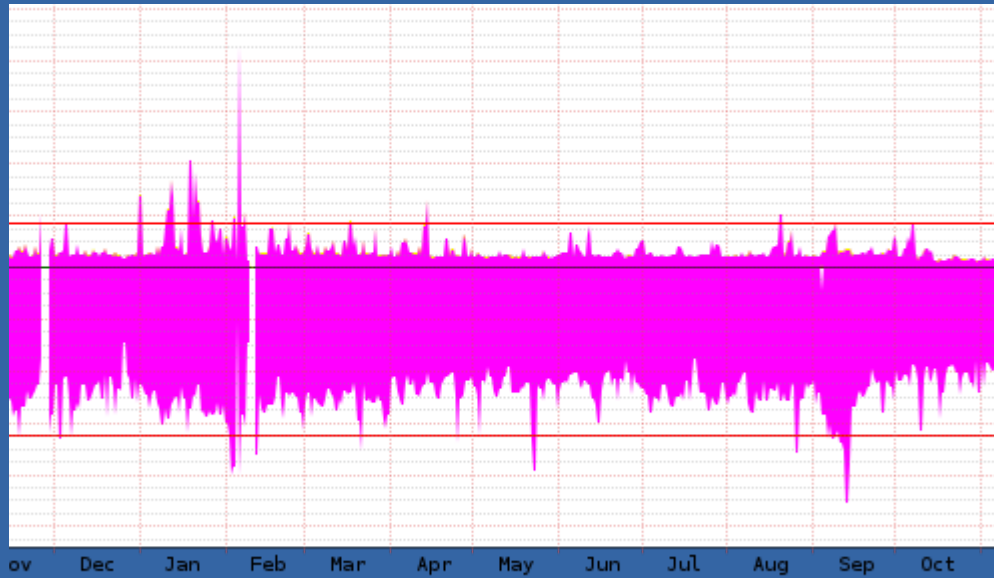
Not another IPv6 presentation?

The UK's largest ISPs are (finally) enabling IPv6 for all of their customers, by default

Most are talking in public about their efforts and are sharing some basic statistics

But I'm not seeing much IPv6. I expected to see more from millions of residential consumers...

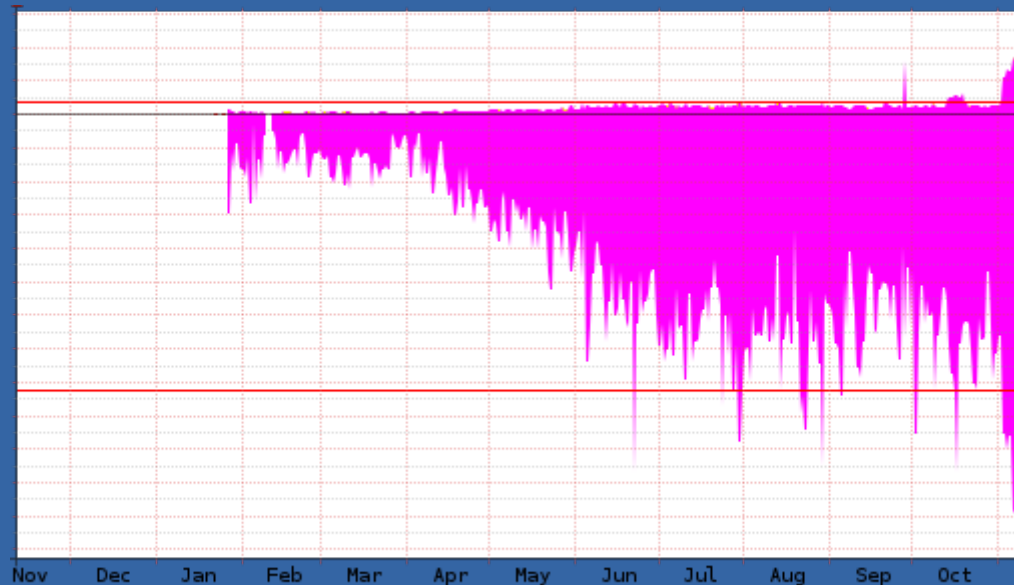
BSkyB, yearly



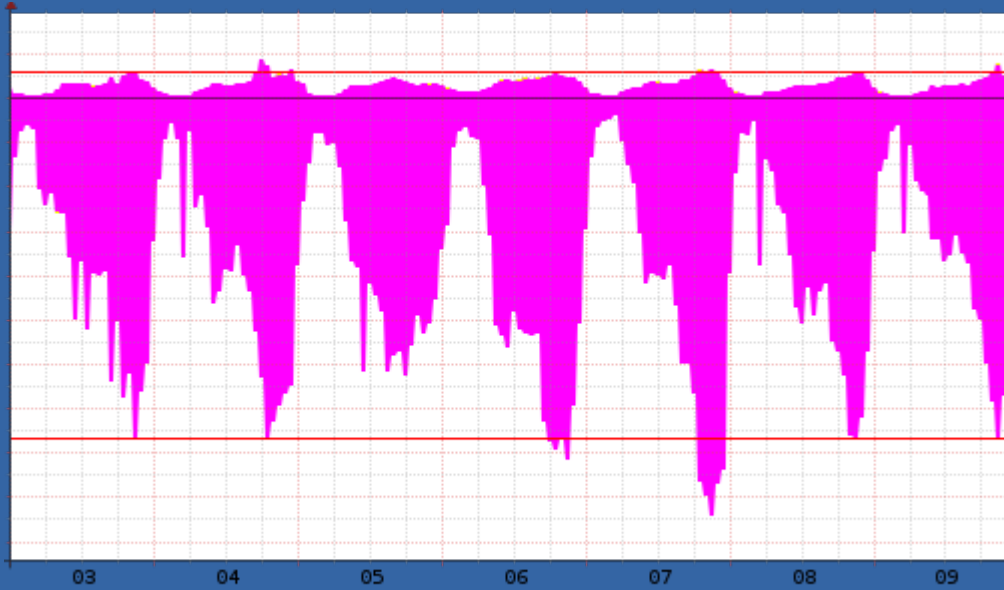
IPv4

IPv6

Slight impact to
IPv4 over time



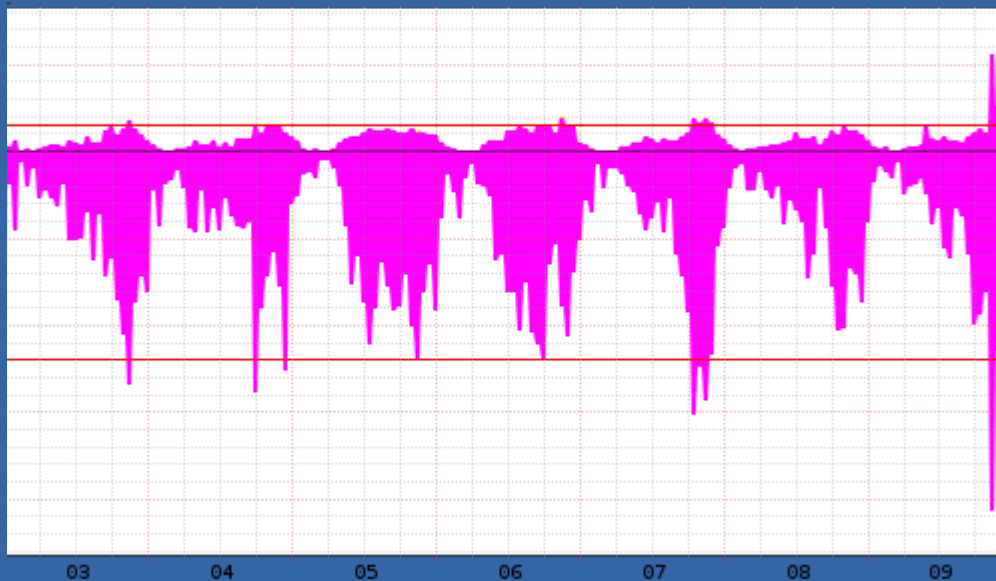
BSkyB, weekly



IPv4

IPv6

About a quarter of
all traffic to Sky



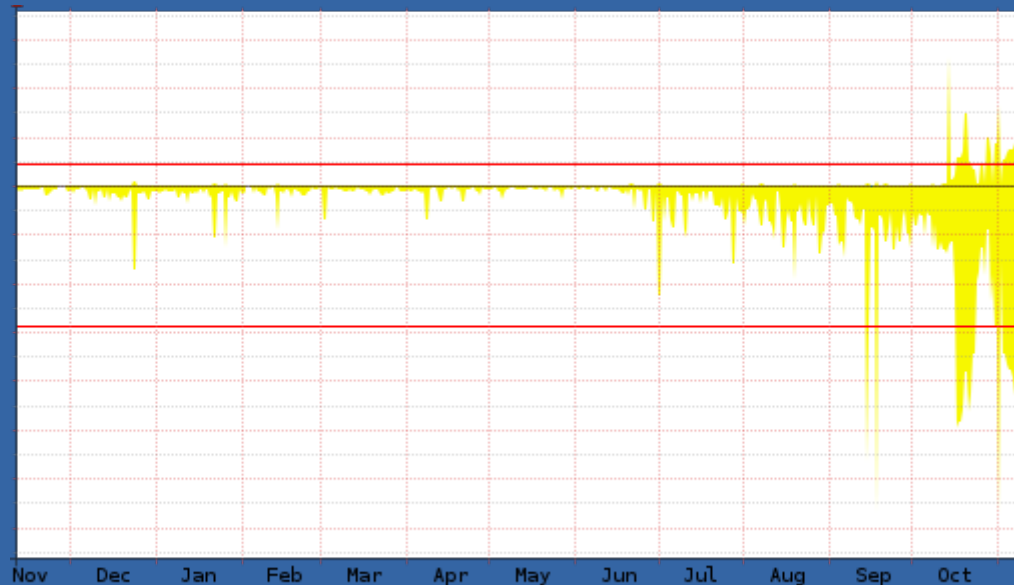
BT, yearly



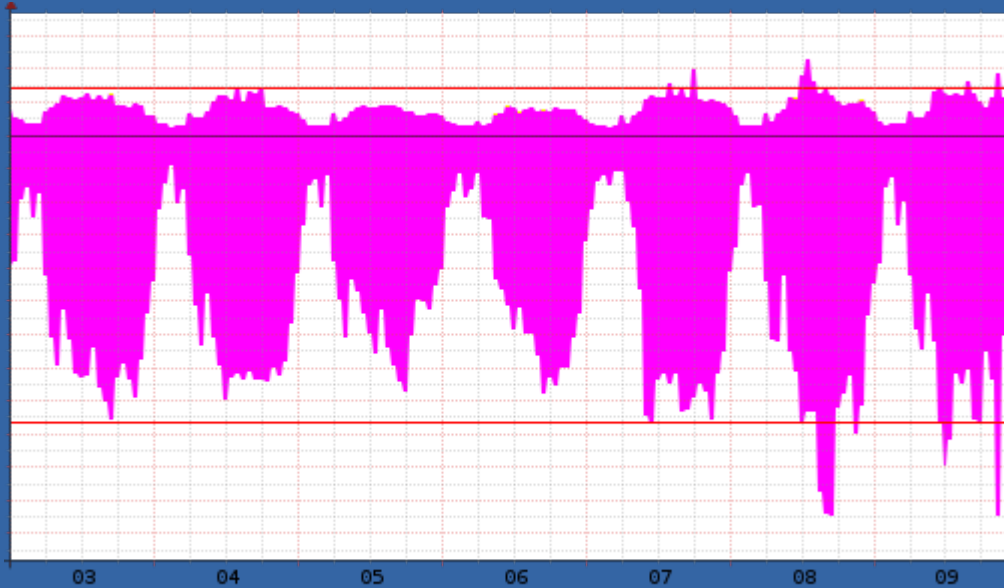
IPv4

IPv6

Background noise
finally gaining
traction



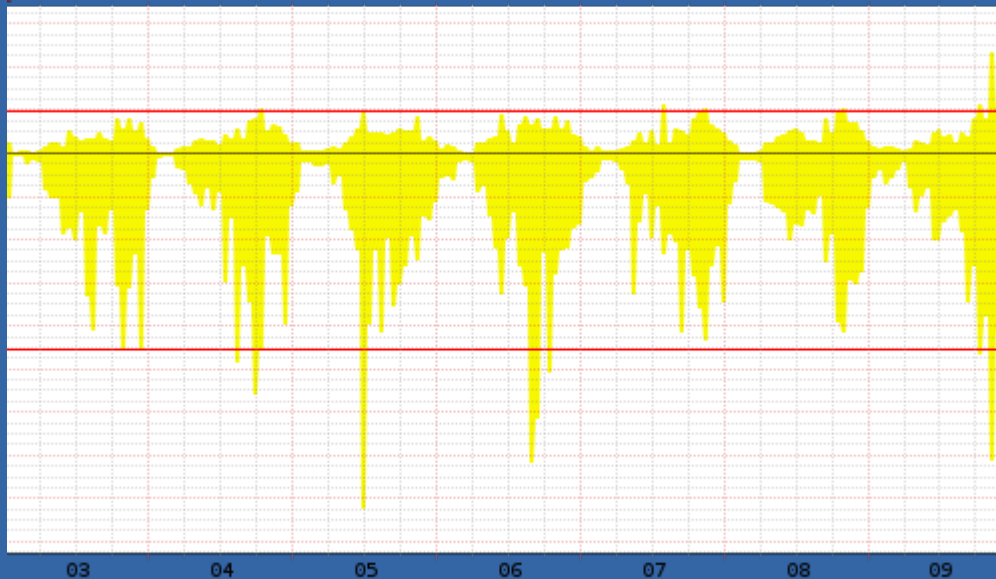
BT, weekly



IPv4

IPv6

5% of total traffic,
for 3-4% of
enabled subs!



Are we that normal?

- We've offered IPv6 connectivity for many years
- Lots of public, 'good for the Internet' v6-enabled services
- Why aren't we beating the overall trends?
- Comcast now see IPv6 as >50% of subscriber traffic to 'major' dual-stacked content
 - e.g. Google, Facebook

What do?

- Clearly we're not putting enough dual-stack (A+AAAA) records out there
 - Sysadmins, Developers need convincing
 - Customers need convincing (by Admins)
 - If you're managing DNS, add the AAAA records by default/automagically
- IPv6 needs to be a 1st Class citizen, or IPv6 is *always* be the first thing disabled

More Reading/Watching

<https://ripe72.ripe.net/archives/video/124/> - John Jason Brzozowski from Comcast @ RIPE 72

<http://www.ipv6.org.uk/2016/08/31/ipv6-council-meeting-october-2016/> - UK IPv6 Council Updates, from various orgs (BT, Sky, EE, The BBC, etc.)

Thanks for listening! Questions?