

# Dude, where's my IPv6?

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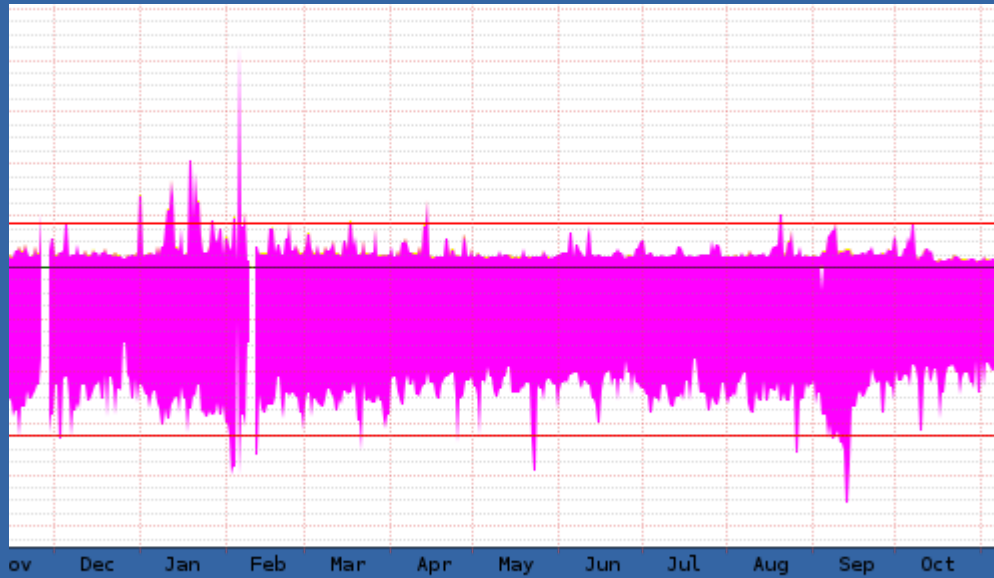
# Not another IPv6 presentation?

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...

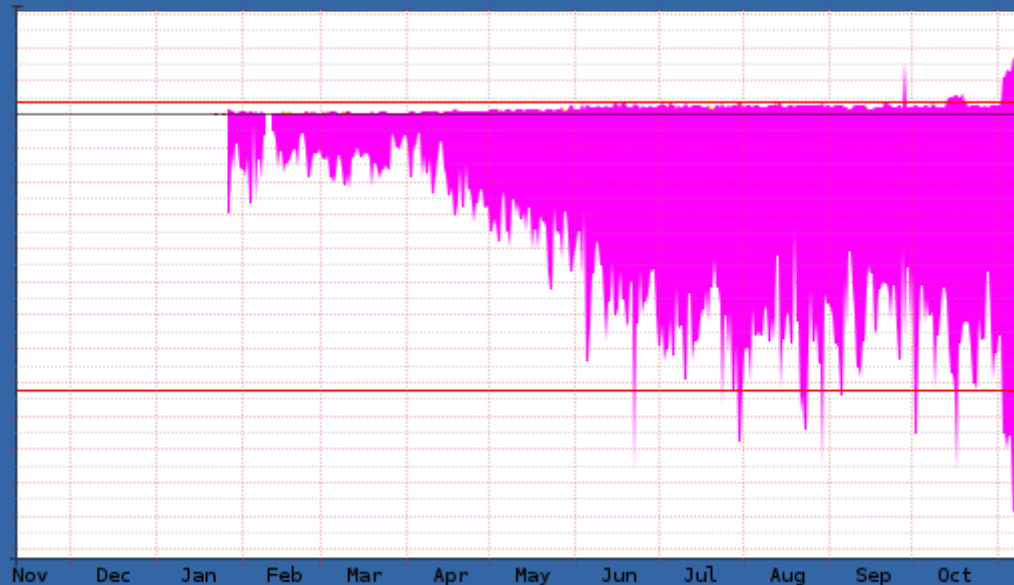
# BSkyB, yearly



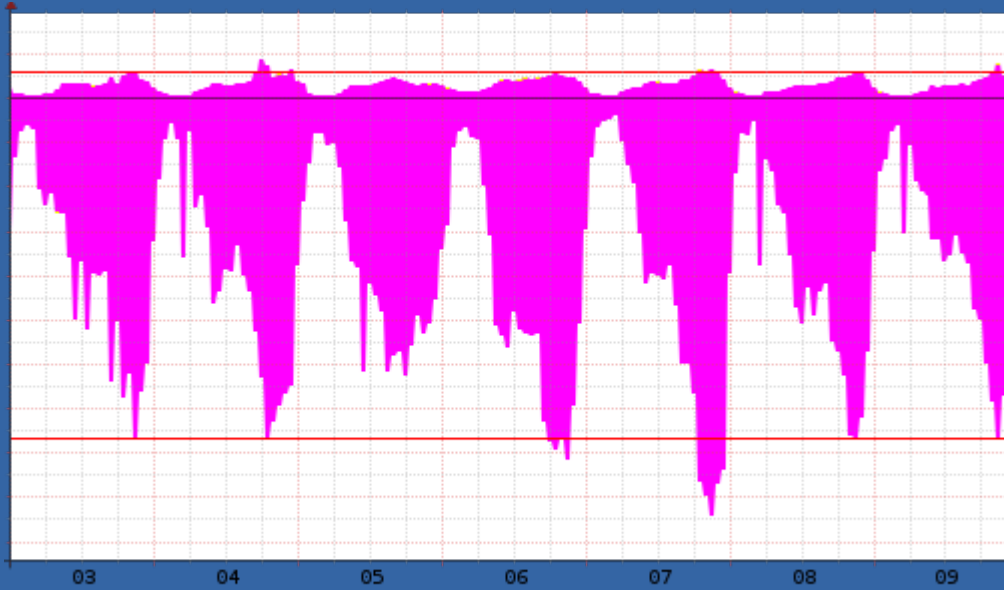
IPv4

IPv6

Slight impact to  
IPv4 over time



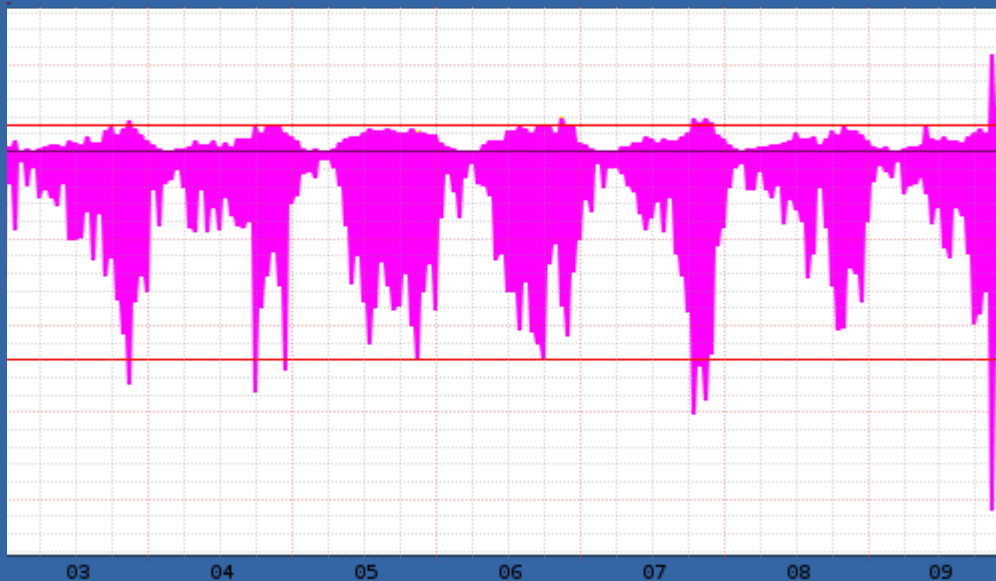
# BSkyB, weekly



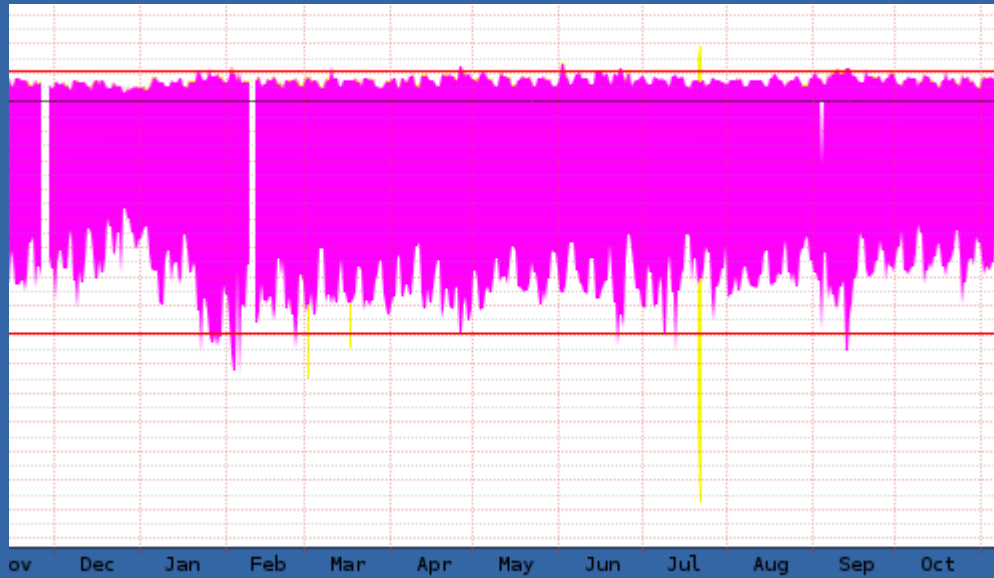
IPv4

IPv6

About a quarter of  
all traffic to Sky



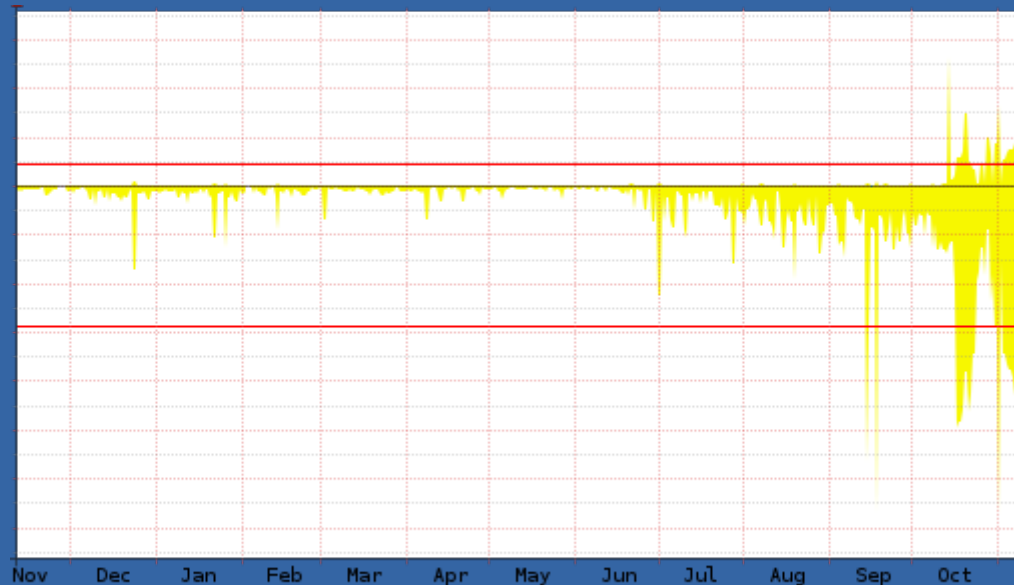
# BT, yearly



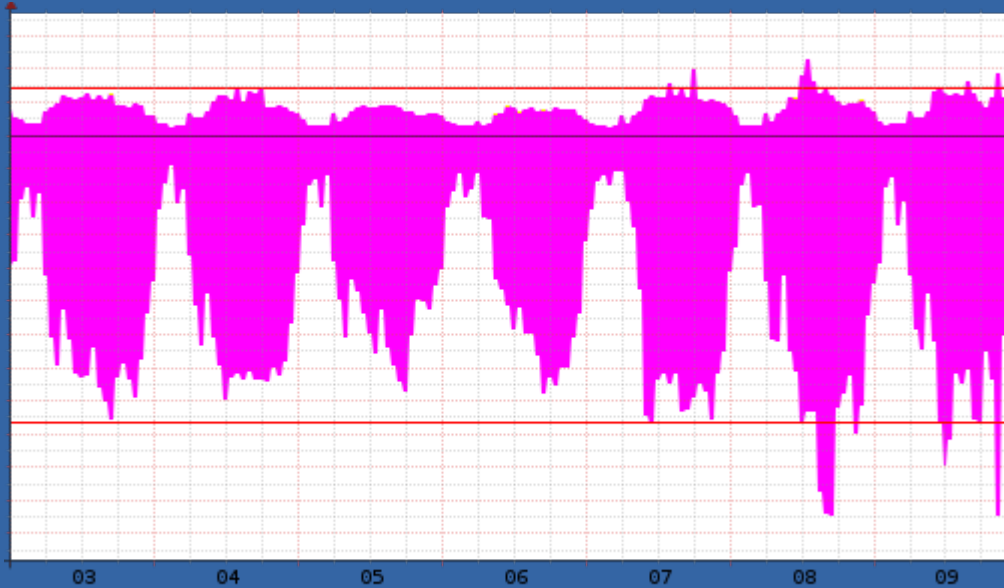
IPv4

IPv6

Background noise  
finally gaining  
traction



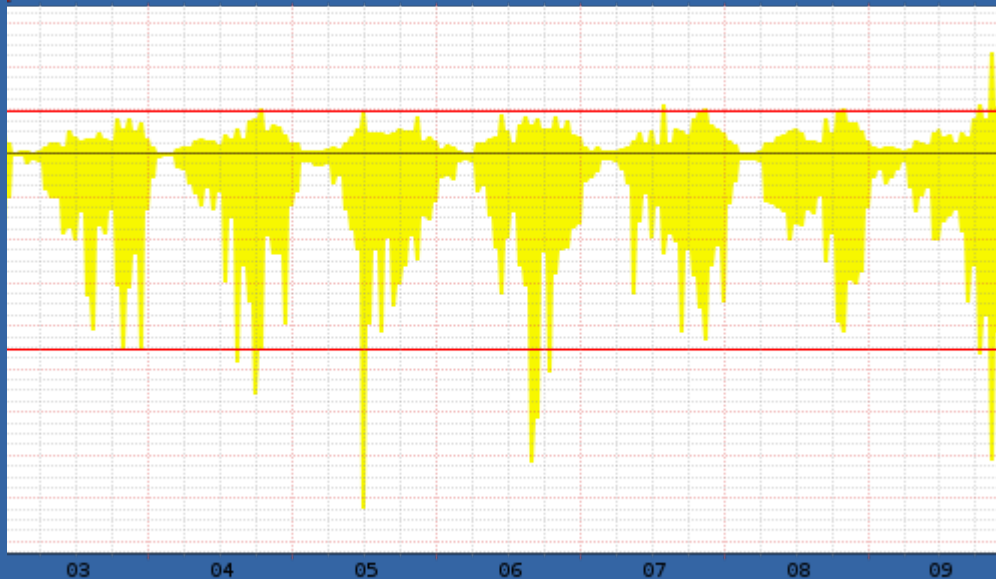
# BT, weekly



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 1<sup>st</sup> 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?**