



UK COUNCIL

UK IPV6 COUNCIL 5TH ANNUAL MEETING

BT Center, London
7th December 2018

AGENDA — MORNING SESSION

10:00 – 10:15 **Opening and UK IPv6 Council update**
– Veronika McKillop

10:15 – 10:20 **IPv6 Bingo game explained** – Tim Chown

10:20 – 10:50 **IPv6 Keynote** – (remotely) Jen Linkova, Google

10:50 – 11:40 **ISP Updates**

- EE (Nick Heatley)
- Virgin Media (Loba Olopade)
- Liquid Telecom (Mathew Chigwende/Catalin Petrescu)

11:40 – 12:00 **Jim Bound World IPv6 Leader 2018 Awards**

12:00 – 13:00 *Lunch*

AGENDA – AFTERNOON SESSION I

13:00 – 13:30 **LinkedIn IPv6 Enterprise Deployment** – Tim Crofts, LinkedIn

13:30 – 13:45 **IPv6 in the Enterprise** – Steve Youell, JP Morgan

13:45 – 14:15 **IPv6 for WLCG/CERN Research** – Duncan Rand, ICL

14:15 – 14:30 **IPv6 at Queen Mary University London** – Chris Walker, QMUL

14:30 – 15:00 **Mail and Web Servers First?** – Benedikt Stockebrand, Stepladder IT Training+Consulting GmbH

15:00 – 15:30 *Coffee break*

AGENDA – AFTERNOON SESSION II

15:30 – 15:50 IPv6 for Peer-to-Peer Applications
– (remotely) Darrin Veit, Microsoft Xbox

15:50 – 16:10 Implementing NAT64 and DNS64
– Terry Froy, QMUL

16:10 – 16:30 IPv6 Matrix and measurement discussion – Olivier Crepin-Leblond, ISOC UK

16:30 – 17:00 Open discussion / Q&A / Bingo Prizes – UK IPv6 Council Core team and the attendees

17:00 Close

We will retire to a local pub, Paternoster, please do join us there, it's literally across the street 😊

ADMIN

Wireless Access

- SSID: **Auditorium events**
- Password: btcaevent

Presentations will be posted online

- www.ipv6.org.uk

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UK IPV6 COUNCIL UPDATE

LOOKING BACK AT 2018

- The **mission** of the Council:
 - Create a platform for discussion and sharing of information
 - We are making impact
- We have grown to **615** members
- **1 Round-table discussion**
 - April 2018 (Facebook)
- **IPv6 Transition Technologies** workshop
 - September 2016
 - ~ 30 attendees
 - Hosted by Imperial College London
- Our website hosted on IPv6-only (for free) by [Mythic Beasts!](#)

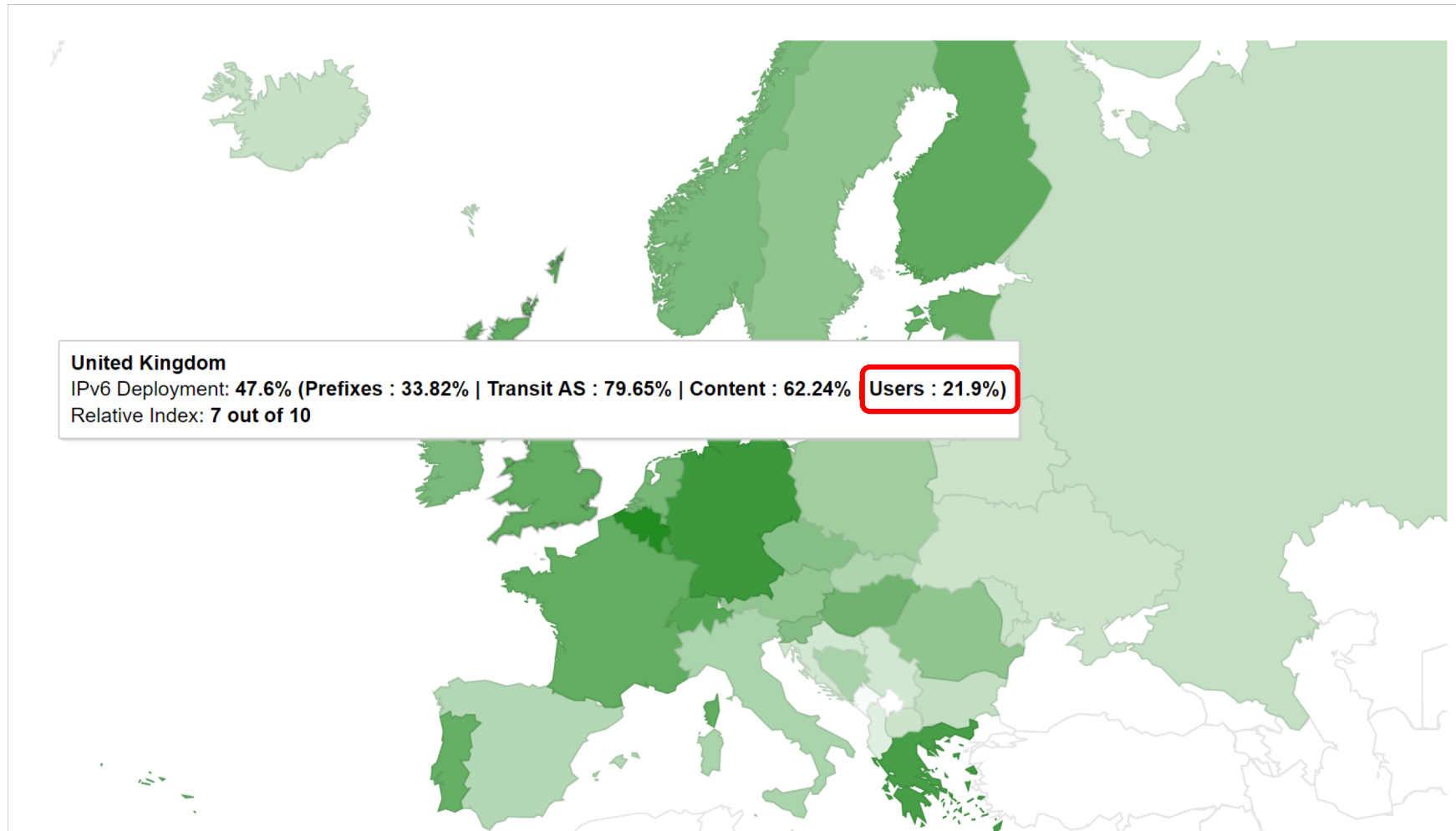


THANK YOU, Pete Stevens!!

HOW DID UK IPV6 COUNCIL START?

- In April 2014, Latif Ladid (IPv6 Forum) and Prof. Peter Kirstein (UCL) wanted a new group to start in the UK to encourage IPv6 deployments. We were lagging – 0.19%.
- 6UK was something people mostly heard about when they dissolved.
- It was time to change things. The timing was right.
- Looking back at 6 years of IPv6 in the UK
<https://www.ipv6.org.uk/2018/06/06/6th-anniversary-of-world-ipv6-launch/>

UK IPV6 ADOPTION — DECEMBER 2018



GLOBAL IPV6 ADOPTION

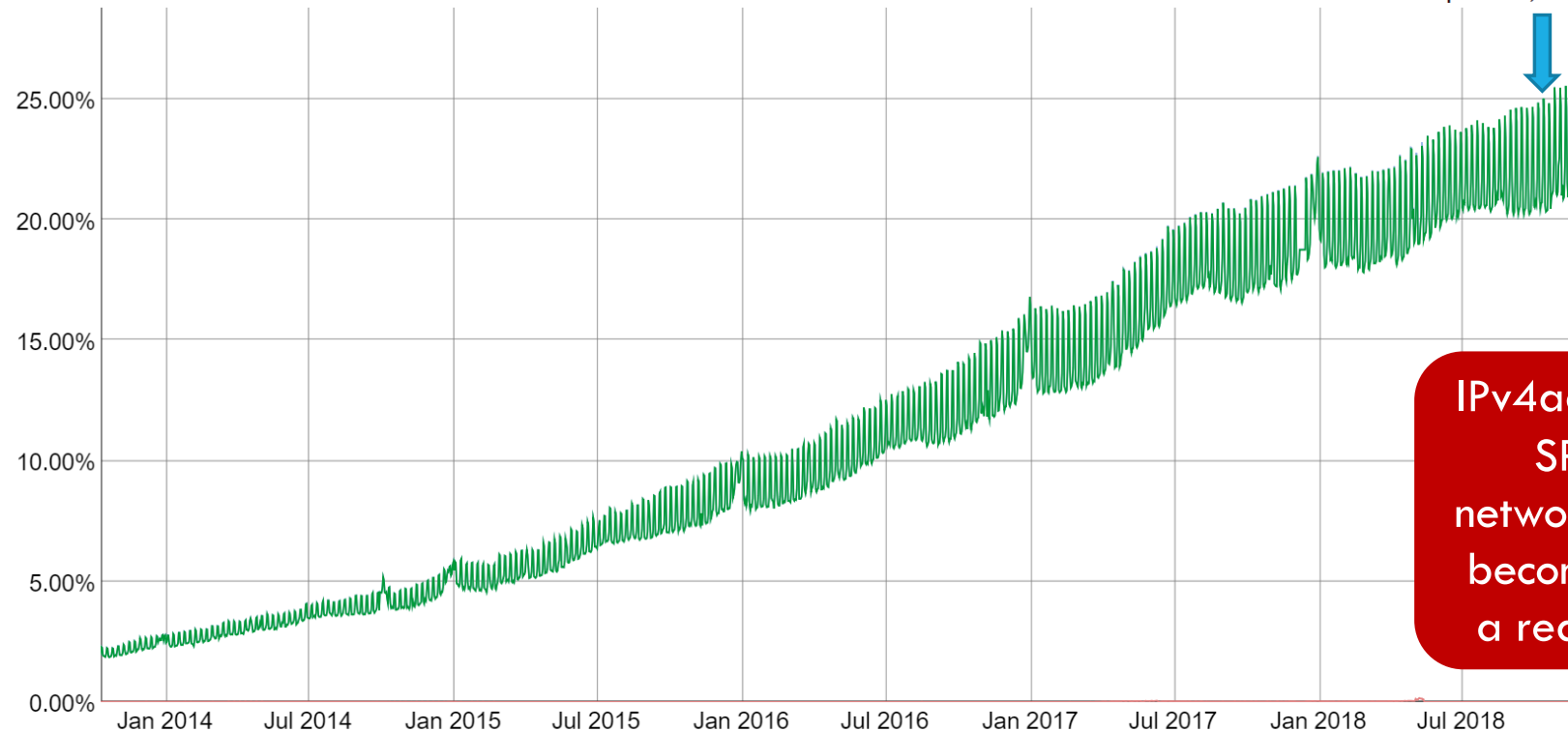
IPv6 Adoption

Per-Country IPv6 adoption

IPv6 Adoption

We are continuously measuring the availability of IPv6 connectivity among Google users. The graph shows the percentage of users that access Google over IPv6.

Native: 26.18% 6to4/Teredo: 0.00% Total IPv6: 26.19% | Nov 24, 2018



"Enterprise effect"

IPv4aaS in
SP
networks is
becoming
a reality

WHY IPV6(-ONLY)? BECAUSE IPV4 IS \$\$\$

← → ↻ ipv4marketgroup.com/ipv4-pricing-in-a-post-arin-runout-world/

IPv4 MARKET GROUP
Setting the Standard for IPv4 Transfers

Broker Services Transfer Processes About IPv4

Block Size	2011	2012	2013	2014	2015 YTD
/16	10.0	10.58	\$9.42	\$7.28	\$6.99
/17			\$10.17	\$8.88	\$7.88
/18					
/19					
/20					

Figure 1. Prices Observed b

Pre-ARIN exhaustion

**Price in 2018 for 1x
/16 = \$ 1,147,405**

IPv4 MARKET GROUP
Setting the Standard for IPv4 Transfers

Broker Services Transfer Processes About IPv4 Why IPv4 Blog

MOST RECENT TRANSFERS COMPLETED

Individual buyers and sellers will agree to a specific nominated currency such as USD, EUR, GBP, etc. in the following table, prices per IP are illustrated in USD for comparative regional purposes.

Block Size*	/24	/23	/22	/21	/20	/19	/18	/17	/16
Price/IP (USD)	26.00	23.00	19.00	18.00	17.50	17.00	17.00	17.00	17.50

*Prices in this table are based on the most recent transfer agreed upon by a previous seller and buyer. Each price by block size is indicative of current seller expectation, and buyers can reference these prices to support internal planning and budgeting.

Source: [IPv4 Market Group](http://IPv4MarketGroup.com)

THANK YOU.



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