

UK IPV6 COUNCIL ANNUAL MEETING

@Meta/Facebook
28 November 2022



UK COUNCIL

Please note: All
presentations are **being
recorded** and will be
made available online.

AGENDA – MORNING SESSION

10:30 – 10:50 **Welcome & UK IPv6 Update** – Veronika McKillop (UK IPv6 Council)

10:50 – 11:00 **UK Universities & IPv6** – Tim Chown (Jisc)

11:00 – 11:30 **IPv6 Task Force France** – Jean-Charles Biseco (IPv6 Task Force France)

11:30 – 12:00 **Jim Bound IPv6 Awards** (UK IPv6 Council)

12:00 – 13:00 Lunch

AGENDA – AFTERNOON SESSION 1

13:00 – 13:15 **10 Years of IPv6 from RIPE NCC perspective** –
Ondrej Caletka (RIPE NCC)

13:15 – 13:45 **ISP updates** – Brandon Spendlove (YouFibre), Chris
Hills (Brsk)

13:45 – 14:30 **CGN panel** – Richard Patterson (Sky), Tom Hill (BT),
Charlie Huggan (Toob)

14:30 – 15:00 Tea & Coffee break

AGENDA – AFTERNOON SESSION 2

15:00 – 15:30 **AWS & IPv6** – Alexandra Huides (AWS)

15:30 – 16:00 **Dual Stack is Rubbish, IPv6 only hosting part 2** – Pete Stevens (Mythic Beasts)

16:00 – 16:30 **GridPP/WLCG & LHC IPv6** – David Kelsey (STFC-RAL)

16:30 – 17:15 **10 years since World IPv6 Launch panel** – Ondrej Caletka (RIPE NCC), Ian Dickinson (Vitrifi), Pete Stevens (Mythic Beasts), Jan Zorz (6connect)

17:15 Wrap up and close

After-meeting social in [The Wheatsheaf](#) (25 Rathbone Place)

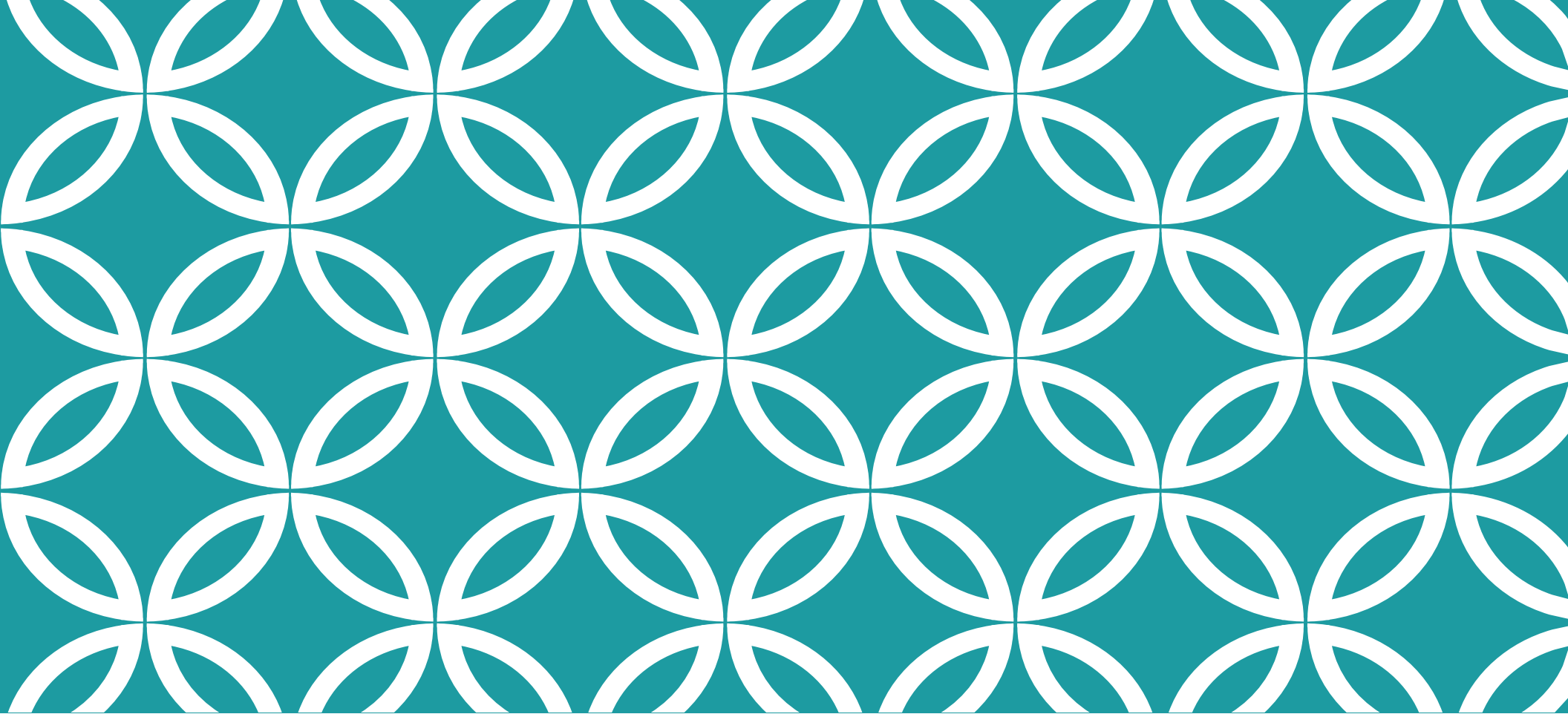
CATCHBOX DEMO





Meta





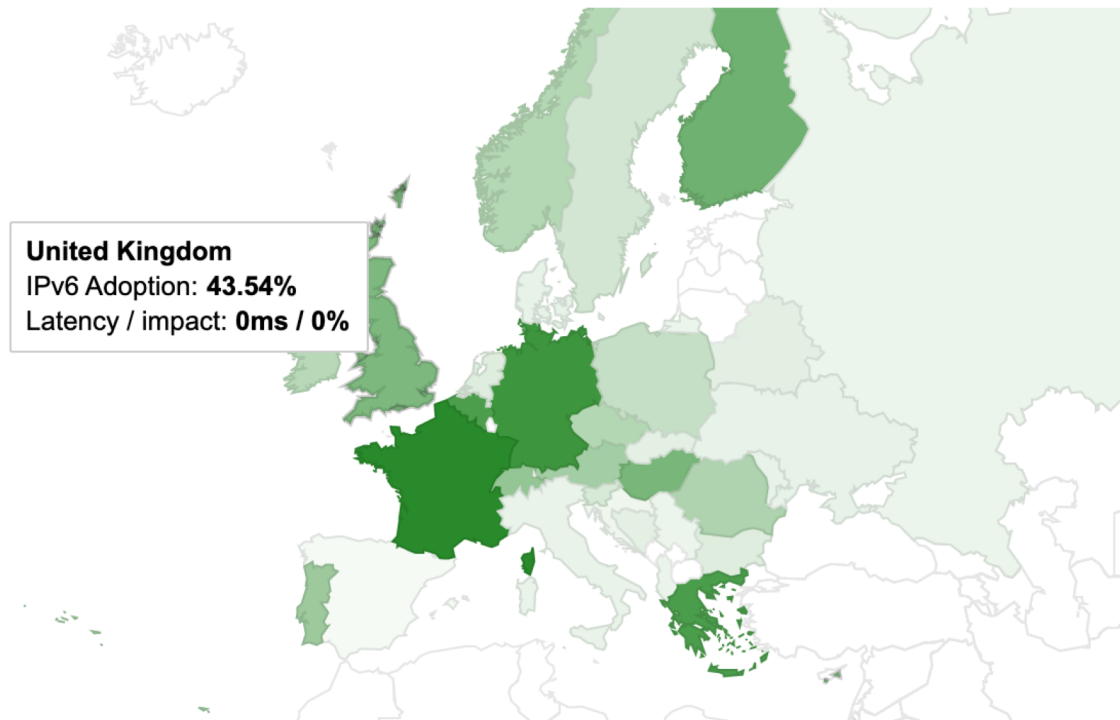
IPV6 (& LEGACY IP) UPDATE

UK IPV6 ADOPTION LEVEL – NOVEMBER 2022

IPv6 Adoption

Per-Country IPv6 adoption

Per-Country IPv6 adoption



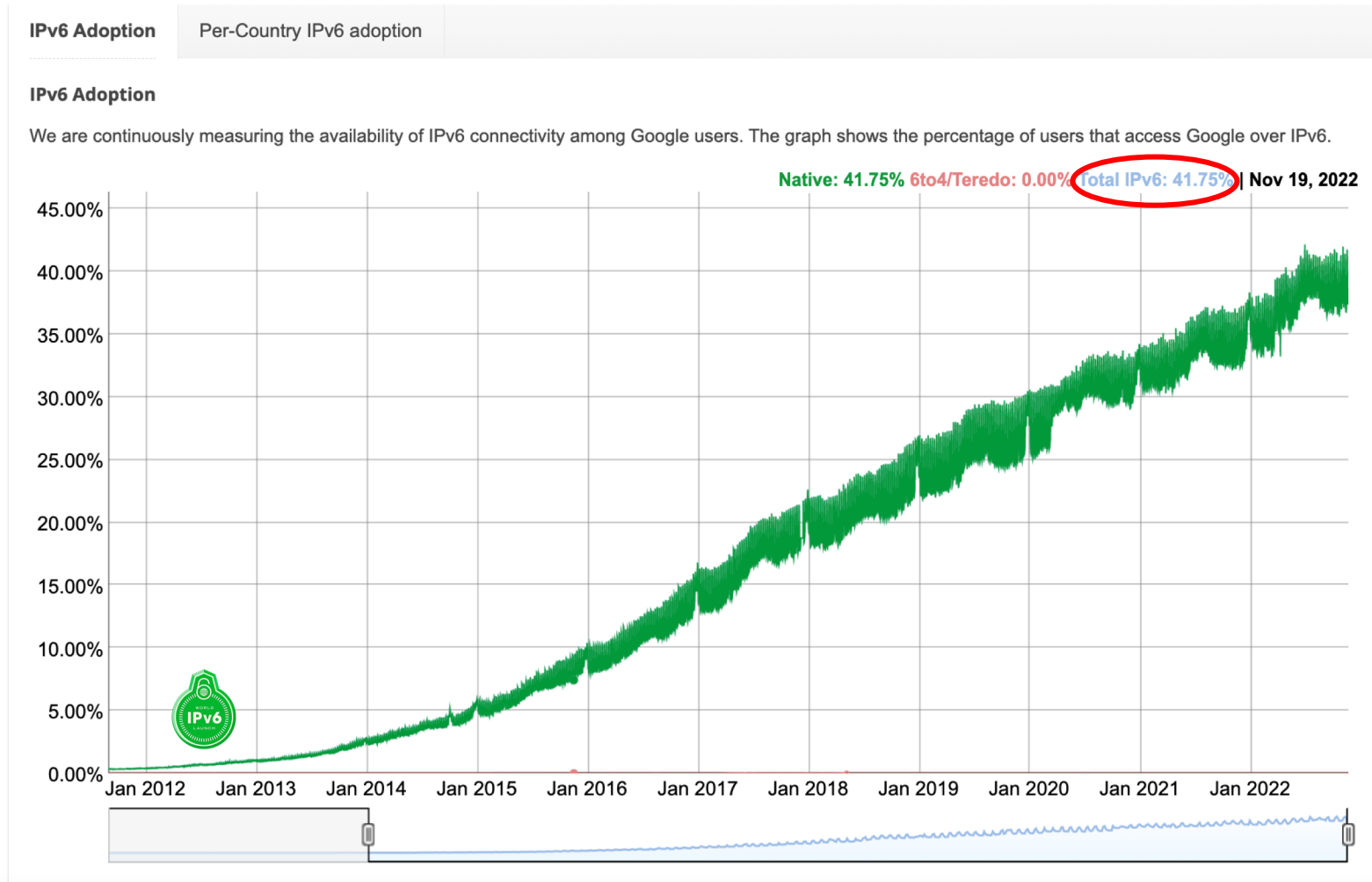
APNIC – 45.99%

Facebook –
36.82%

Akamai – 31.3%

[World](#) | [Africa](#) | [Asia](#) | [Europe](#) | [Oceania](#) | [North America](#) | [Central America](#) | [Caribbean](#) | [South America](#)

GLOBAL IPV6 GROWTH — NOVEMBER 2022



IPV4 PRICE DEVELOPMENT

Starting price at \$6.99/IPv4 (for /16) in early 2015 (pre-ARIN exhaustion)

Block Size*	/24	/23	/22	/21	/20	/19	/18	/17	/16
Price/IP (USD)	24.00	21.00	18.00	16.00	13.00	13.00	13.00	13.00	14.50

August 2017

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

August 2018

Block Size*	/24	/23	/22	/21	/20	/19	/18	/17	/16
Price/IP (USD)	26.00	23.00	20.00	20.00	19.50	19.50	19.00	19.50	19.00+ depending on quality

June 2019

Block Size*	/24	/23	/22	/21	/20	/19	/18	/17	/16
Price/IP (USD)	30.00	26.00	22.00	20.00	20.00	20.00	20.00	20.00	21.00

December 2020

IPv4 PRICE GROWTH

IPv4.GLOBAL
 By **Hilco**.
 Streambank.

BUY IPV4 & ASN SELL IPV4 & ASN IPV4 RESOURCES ABOUT CONTACT

ANALYZE YOUR IPv4

Check out our IPv4 Analyzer widget and find what your addresses are worth.

IPv4.GLOBAL
 Hilco.Streambank

IPv4 Analyzer

Your IP is:
85 68 147 141

IP BLOCK	PRICE RANGE
Prior Sales: /23 ARIN \$50.39 /23 ARIN \$47 /24 ARIN \$53 /24 RIPE \$46 /24 ARIN \$48 /24 RIPE \$49 /24 ARIN \$42.73 /24 ARIN \$6	

IPV4 PRICE IN OCTOBER 2022

IPv4.GLOBAL

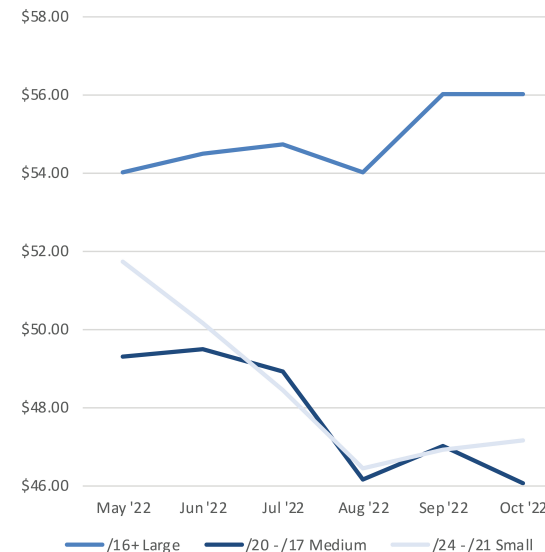
By  **Hilco**
Streambank™

OCTOBER 2022
IPv4 Auction Sales Data

auctions.ipv4.global/prior-sales

BLOCK SIZE	IPv4	AVG. \$ PER ADDRESS	AVG. \$ PER BLOCK
/16	65,536	\$54.00	\$3,538,944
/17	32,768	\$48.50	\$1,589,248
/18	16,384	\$46.70	\$765,133
/19	8,192	\$48.00	\$393,216
/20	4,096	\$44.11	\$180,675
/21	2,048	\$48.00	\$98,304
/22	1,024	\$35.00	\$35,840
/23	512	\$47.86	\$24,504
/24	256	\$48.09	\$12,311

MONTHLY AVERAGE \$ PER ADDRESS



Data provided by IPv4.Global's online auction platform. Does not include large block private transactions.

HOW TO JUSTIFY YOUR IPV6 PROJECT? THINK IPV4...

Infoblox Centre of Excellence articles (2022):

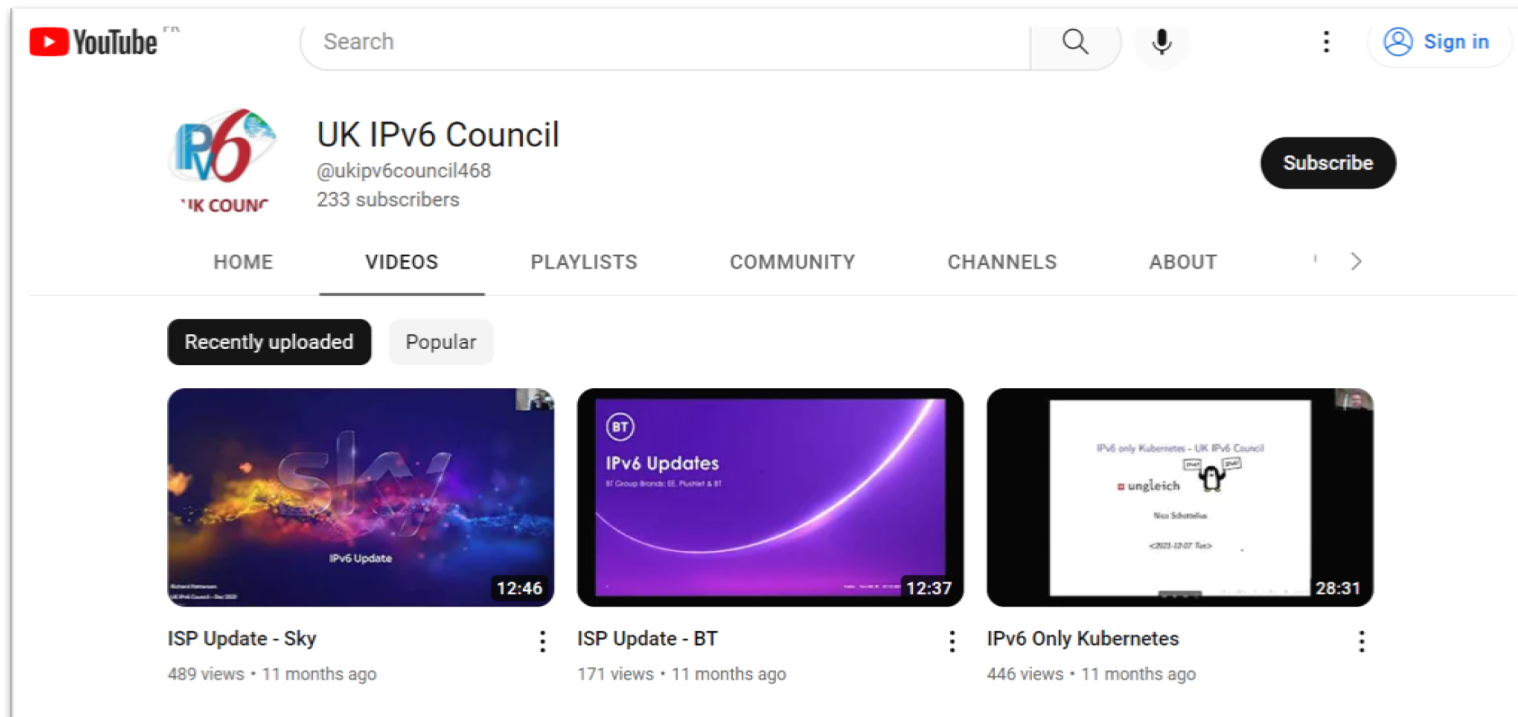
- [The True Cost of IPv4](#)
- [Attempting to Quantify the Hidden Cost of IPv4 Addressing](#)

NANOG85 Panel: [Buying and selling IPv4](#)

OUR WEBSITE

www.ipv6.org.uk – all presentations since 2014

YouTube [channel](#)



FUTURE ACTIVITIES

Enterprise & IPv6 workshop – early spring 2023

Roundtable – before summer 2023

Webpage with information which UK ISPs offer IPv6 connection

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 & deploy IPv6