



ISOC UK England

So far and what's next

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Presentation for the Internet Society Board of Trustees – 24 March 2018



Agenda

- ⑩ Why - in the beginning
- ⑩ So far & what next
- ⑩ Internet Governance
- ⑩ IPv6 Matrix - a chapter project
- ⑩ Questions



Why?

"The Internet is for everyone but it won't be unless we make it so"

Vint Cerf April 1999

<http://isoc-e.org/the-internet-is-for-everyone/>



So far -

- ⑩ Founded in 1998, chapter approved Oct 1999
- ⑩ Launched at Oxford eBusiness conference with Don Heath
- ⑩ Company Ltd by guarantee Aug 1999-2005.
- ⑩ Unregistered voluntary association 2005-2017.
- ⑩ New Company Ltd by guarantee (not for profit) founded 2017.
- ⑩ 20+ leadership & board members since 1999.
- ⑩ Chairs: Christian de Larrinaga 1999-2003, Tricia Drakes 2003-2012, Olivier Crepin-Leblond 2012 to date.
- ⑩ Many policy, technical and community events (see isoc-e.org)



The current team

✧ Leadership - all volunteers.

✧ Dr. Olivier Crépin-Leblond (chair) (Jan 2012)

✧ Desiree Miloshevic

✧ Christian de Larrinaga

✧ Matthew Shears

✧ Tricia Drakes (immediate past chair)

✧ Convenors – all volunteers

✧ Dr. Ansgar Koene – Open Trust



Communications to community

- Mailing Lists:
 - Policy Discussion List - now 120+ active
 - Internet Governance, Nominet consultations, Surveillance, Privacy & Identity, Internet Filtering, IPv6
 - Universities Mailing List
 - Announcements, courses etc.
 - Open Trust Mailing List
 - Supporting the Trust initiative



Internet Governance

- ✧ We participate in HMG convened UK Multi-stakeholder Advisory Group on Internet Governance (MAGIG):
 - ↳ WCIT, ITU, WTSA, WTDC etc.
 - ↳ DCMS, FCO, OFCOM, BIS,
- ⑩ Now providing regular Input for advice and input on IG related and some diplomatic events.



Internet Governance (2)

- ✂ Co-organising partner of UK IGF since 2011
 - 🔗 Member of the program Committee
 - 🔗 Organised workshops in each UK IGF ever since
 - 🔗 **Next UK IGF: 22 November 2018**
 - ⑩ Call for issues has been sent out



Hold Signature events

- March 2018 “How do we build trust between engineers and politicians in securing the Internet of Things (IoT).”
- July 2017 “Fake News: annoying symptom or life-threatening disease?”
- July 2016 “Future policy approaches to the convergence of privacy and security online” (with IIC)
- March 2014: Parliament meets the IETF
- Webinars
 - June 2017 ““Core Internet Values: Changes happening on the way the Internet Works – the desirable and undesirable changes”
 - February & March 2017 (2 webinars) “A policy framework for an open and trusted Internet”



Local topics

- ✧ Support MS in UK Internet Governance
- ✧ Sustained engagement with UK Government
- ✧ Pushing for IPv6 Adoption in the UK
- ✧ Security, Privacy, Surveillance, Filtering
- ✧ IoT and real time web awareness
- ✧ Platform Neutrality & Fake News
- ✧ Trust
- ✧ Campaigns...

You are here: [Parliament home page](#) > [Parliamentary business](#) > [Bills and legislation](#) > [Bills before Parliament 2015-16](#) > [Public Bills](#) > [Investigatory Powers Bill 2015-16](#)

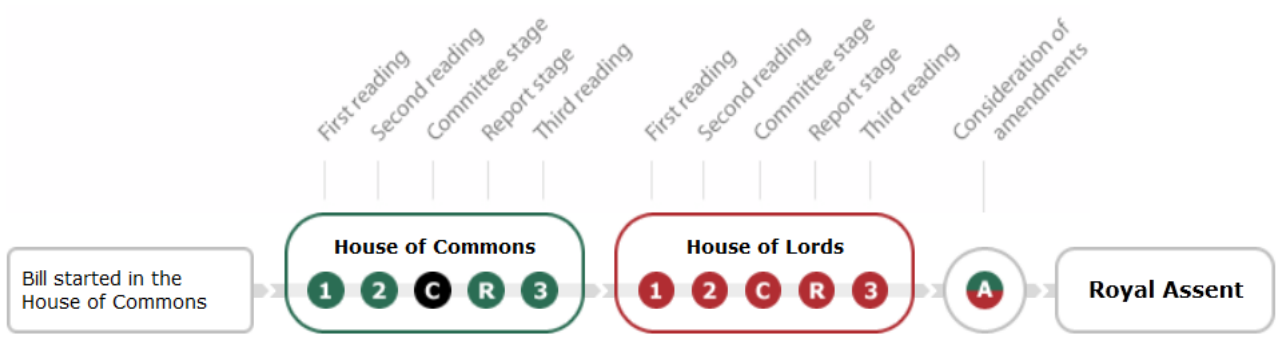
- Bills & Legislation
- Bills before Parliament 2015-16
- Public Bills
- Investigatory Powers Bill 2015-16**

- Bill stages
- Bill documents
- Commons Public Bill Committee 2015-16

Investigatory Powers Bill 2015-16

Type of Bill: Government Bill
Sponsor: Mrs Theresa May
Home Office

Progress of the Bill



Last event
C Committee stage: House of Commons | 12.04.2016

Next event
C Committee stage: House of Commons | 14.04.2016

■ [Read debates on all stages of the Investigatory Powers Bill 2015-16](#)

Latest Bill

House	Bill	Date
C	Bill 143 2015-2016, as introduced PDF version, 1022KB	01.03.2016

■ [All Bill documents](#)

Stay up to date

Keep up to date with the progress of Bills going through Parliament. Sign up for email alerts or use our RSS feeds.

- [RSS feed for this Bill](#)
- [Receive email updates for this Bill](#)

What are the obligations?

- ⌘ Obligations to provide facilities or services of a specified description
- ⌘ Obligations relating to apparatus owned or operated by a relevant operator
- ⌘ Obligations relating to the removal of electronic protection applied by or on behalf of the relevant operator on whom the obligation has been placed to any communications or data
- ⌘ Obligations relating to the security of any postal or telecommunications services provided by the relevant operator
- ⌘ Obligations relating to the handling or disclosure of any content or data.

“While an obligation to remove encryption may only relate to protections applied by or on behalf of the company on whom the obligation is placed, there will also be circumstances where a CSP removes encryption from communications for their own business reasons.

Where this is the case, an intercepting agency will **also require the CSP**, where applicable and when served with a warrant, **to provide those communications in an intelligible form.”**



What has the Chapter done?

⑩ Circulated our concerns to:

- Internet Society (both Staff and other Chapters)
- Our own Policy mailing list
- Don't Spy On Us coalition (led by OpenRights Group – ORG)
- TechUK (900 UK technological companies)
- Chatham House
- International Institute of Communication (IIC)
- MPs (individually)





Our priorities in 2014

- ✓ Broadened “convenor team”
 - ✓ invite Topic convenors
 - ✓ invite Community convenors & engage orgs
- Webinars (from c. Sept 2014) 1 x month
- ✓ Local Meetups (topics, communities)
- ✓ Establish a Ltd Liability non for profit structure
- ✓ Local ISOC “Convention/INET/AGM” early 2015
- Establish “key” partners & sponsors
- ✓ Do membership Survey



ISOC UK England IPv6 Matrix (longest going project)

- ✂ A tool that measures IPv6 deployment by looking for and testing DNS entries in the Alexa top 1,000,000 domain list (a free download)
 - ↳ <http://s3.amazonaws.com/alexa-static/top-1m.csv.zip>
- ✂ Initial ‘crawler’ code was developed by ISOC England in conjunction with Nile University in 2009/10
 - ↳ ISOC Chapter Project Grant in 2009
 - ↳ Started crawling the data, with basic display mechanisms
- ✂ Due to Arab Spring, the development was interrupted
 - ↳ But the project now has three+ years of data



ISOC UK England IPv6 Matrix

- ✧ A second, smaller ISOC Chapter Project Grant was received in 2012
- ✧ Collaboration with University of Southampton Web Sciences Unit.
- ✧ Southampton Team led by Dr. Tim Chown
- ✧ “The ISOC customer brief was to improve the presentation of the crawler data
 - ✧ And as a secondary priority to harden the crawler
 - ✧ Included Open Data principles (see <http://theodi.org>)
 - ✧ As part of project, crawler moved to Southampton
 - ✧ Students had 10 weeks in total to solicit requirements, design and build a prototype to the customer’s satisfaction”
- ⑩ Prospective Lead: Dr. Thanassis Tiropanis


[IPv6 Hosts](#)
[Dual Stack](#)
[Ping](#)
[Path](#)
[Reachability](#)
[IPv6 Domains](#)
[Domain Search](#)

IPv6 adoption around the Globe

Date
January 2013

Info
Welcome to IPv6Matrix.org.


The IPv6Matrix is a tool to gather and visualise data on IPv6 (Internet Protocol v6) deployment and accessibility from the top one million domain names around the world, since 2010.

[More about the IPv6Matrix »](#)

The globe displays every countries' overall IPv6 adoption over time.

- Drag the globe to rotate.
- Drag the red slider to control the date



0%  77%
IPv6 enabled Hosts

August 2010

◀ January 2013 ▶ December 2013





IPv6 Hosts

Dual Stack

Ping

Path

Reachability

IPv6 Domains

Domain Search

IPv6 Hosts

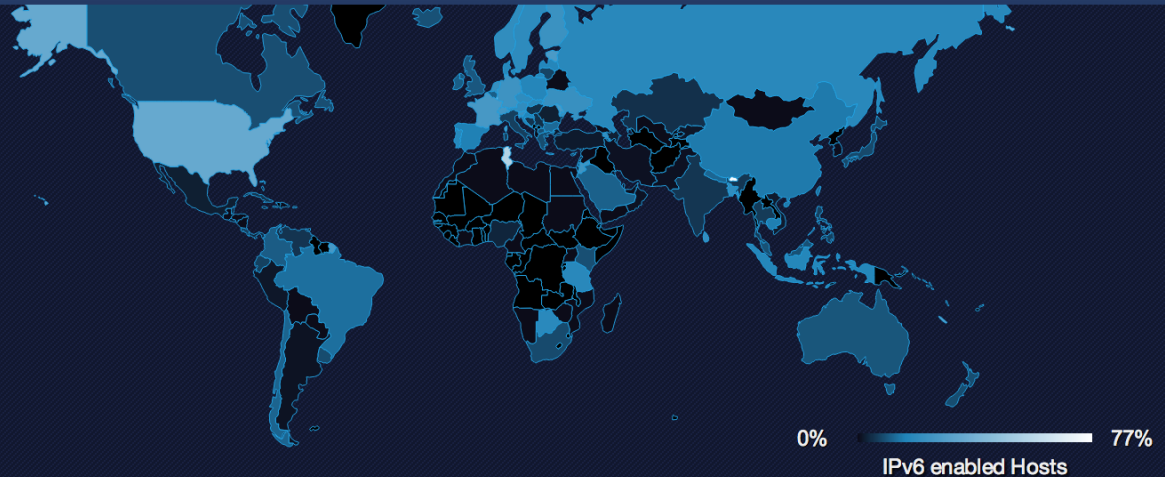
Country
Global

Date
December 2013

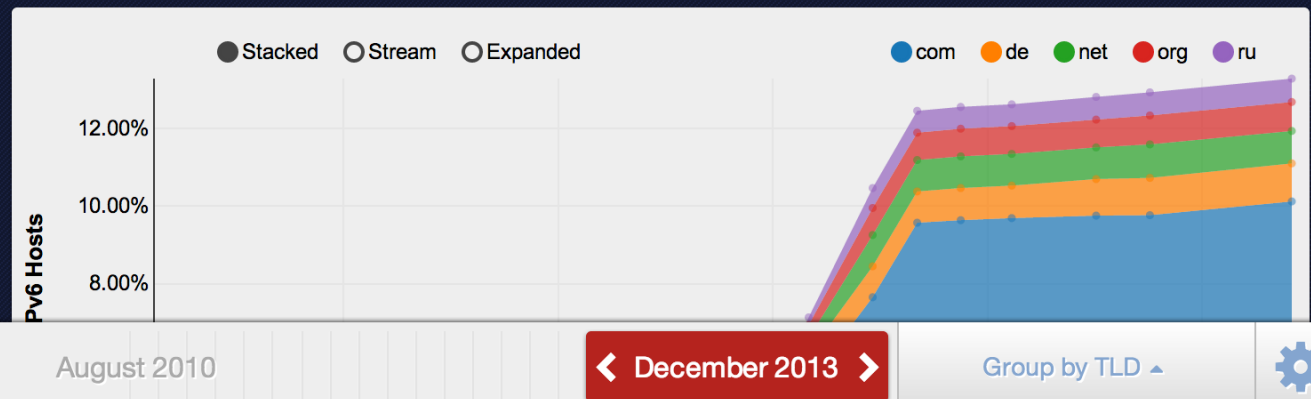
Info
This page displays an overview of IPv6 host adoption around the world.

A 'host' is a computer connected to a network, in this case it defined by a hostname entry in the DNS records for a domain (eg. `www.example.com`, `mx.example.com` or `ns1.example.com`).

A host may have have IPv4, IPv6 or both types of IP addresses listed in its DNS record using A and AAAA entries. If a host has a valid AAAA record it is considered an IPv6 enabled host.



IPv6 Host percentage by TLD over time ?




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IPv6 Domains

Country
Global

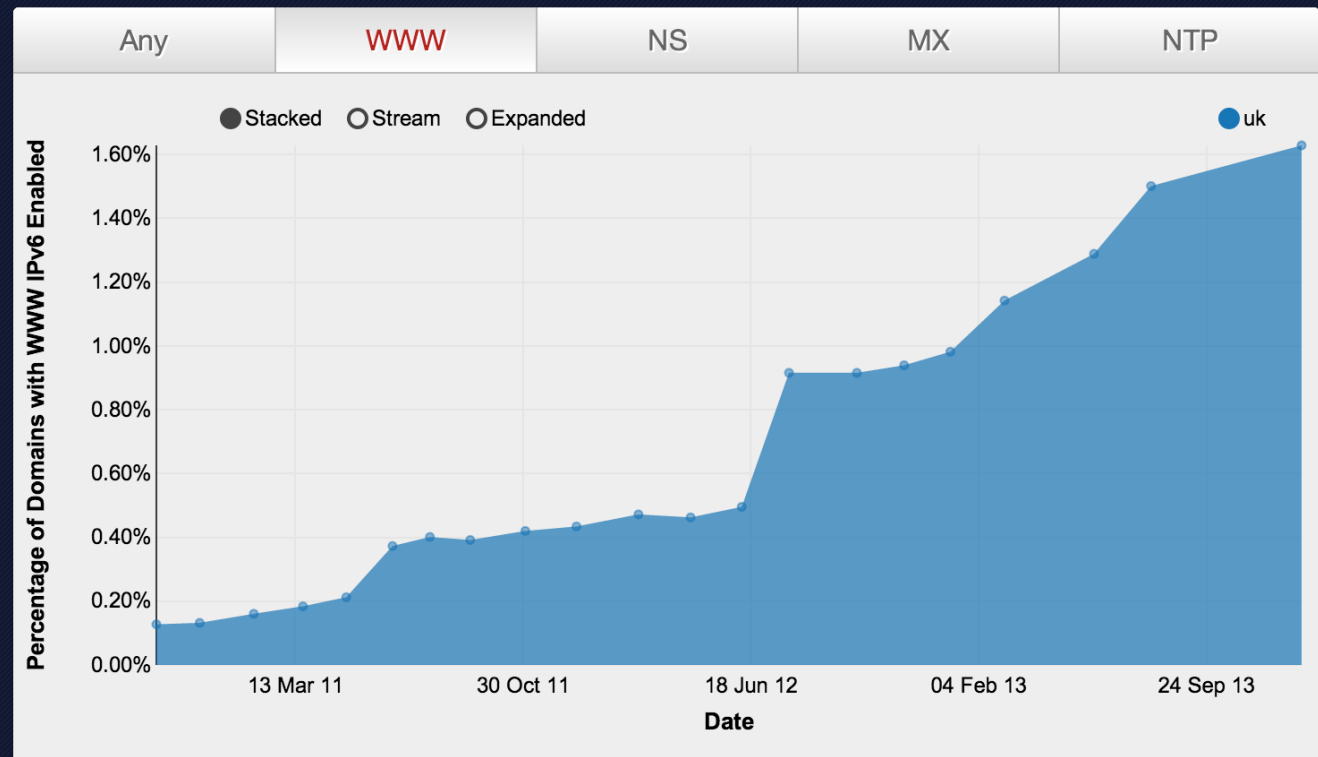
Date
December 2013

Info
This page displays an overview of IPv6 enabled domains.

A domain name may have many different hosts for a particular server type, for example email (MX) but only one needs to have an IPv6 address for that domain to be able to send and receive email over the IPv6 internet.

Here, a domain name is considered to have implemented IPv6 if it has one or more IPv6 (AAAA) entries in any of its DNS records, this includes web, name, mail and time servers.

IPv6 enabled Domains by TLD over time ?


[October 2010](#)
[◀ December 2013 ▶](#)
[Group by TLD ▲](#)




Our priorities in 2018

- Continue to Broaden “convenor teams”
 - invite more Topic convenors
 - invite Community convenors & engage orgs
- More Webinars
- Local Meetups (topics, communities)
- Establish “key” partners & sponsors
- Improve the UK IGF Process
 - More active partners, more bottom-up input
 - Find sponsors



Future event

- ⑩ April 2018 "Multisided Trust issues for Multisided platforms"
With a focus on establishing user trust – through literacy, transparency etc.
(in collaboration with the University of Nottingham's Horizon Centre for Doctoral Training.)



Thank you

Contact: ISOC England – contact@isoc-e.org

<http://isoc-e.org/>