



IANA activities update ARIN XXIX, Vancouver, BC

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VP IANA

Overview

- Making things better
- Continuous improvement
- New service
- Statistics & more

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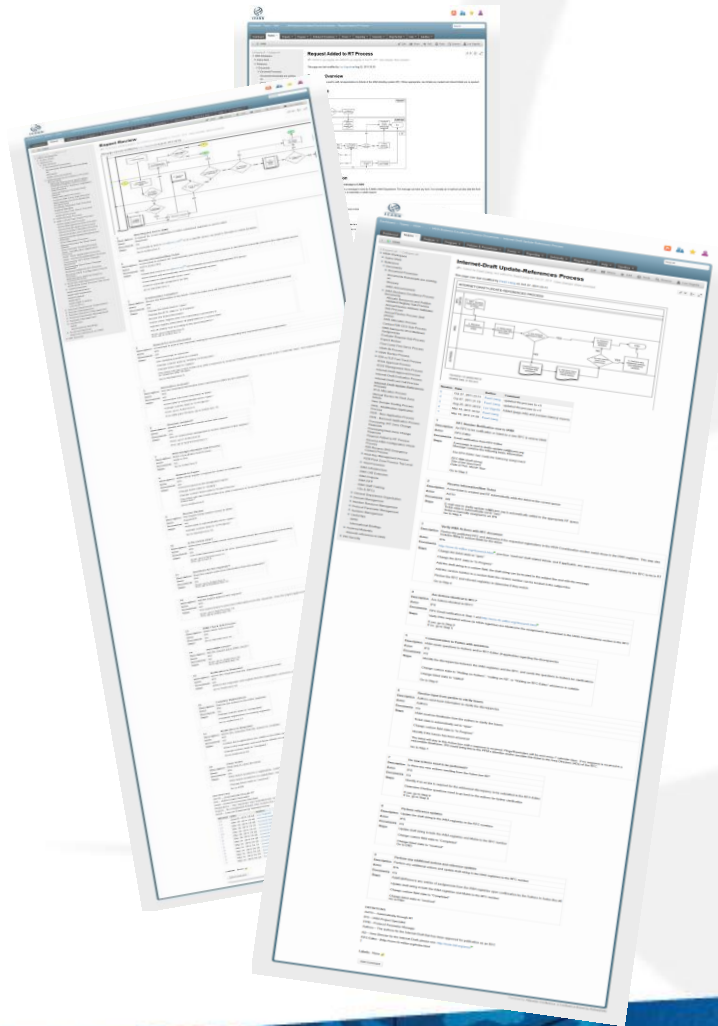
Making things better

Business Excellence

- 3rd annual self-assessment held in January 2012
 - Significant improvements for our customers in processes and key results
 - Next steps: complete that work & improve our planning & execution

Standard process documentation

We have converted over half our core processes to our new standardized format and will be working on more over 2012



Improving our request processes



Internet Assigned Numbers Authority

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Application for an IPv4 Multicast Address

The IESG designated expert will review your request. The expert requires enough detail to understand why a globally unique multicast address is necessary. Once you have submitted the completed application form below, your application will be reviewed. Further information is provided in [RFC 3307](#) and [RFC 4291](#). Please note that there is less need to assign IPv6 multicast addresses than IPv4 addresses, as every IPv6 unicast range has a multicast address range assigned to it (see [RFC 3306](#) for further information). For many other uses, a MADCAP server can be used to allocate IPv6 multicast addresses according to the principles set forth in RFC 4291.

Application for an IPv6 Multicast Address

To apply for an IPv6 Multicast Address, we are looking for a technical description of the proposed use of the multicast address. The IESG designated expert will review your request. The expert requires enough detail to understand why a globally unique multicast address is necessary. Once you have submitted the completed application form below, your application will be reviewed. Further information is provided in [RFC 3307](#) and [RFC 4291](#). Please note that there is less need to assign IPv6 multicast addresses than IPv4 addresses, as every IPv6 unicast range has a multicast address range assigned to it (see [RFC 3306](#) for further information). For many other uses, a MADCAP server can be used to allocate IPv6 multicast addresses according to the principles set forth in RFC 4291.

Your Full Name
Required

Your E-mail
Required

Please read the following questions carefully and provide complete answers.

Local Scope
Required

Can you use a locally scoped address or a MADCAP ([RFC 2730](#)) generated address?
 Yes (Note: you do not require an address from IANA. Use local scope/MADCAP instead.)
 No

If you answered "Yes" and wish to proceed, explain why you need a globally unique address.

Permanence
Required

Do you need a permanently allocated address? (Please see [RFC 3307](#) for further information)
 Yes
 No (Note: you do not require a multicast address from IANA)

Security & continuity



- 4th annual security plan completed in November 2011
- 2nd IANA continuity exercise is planned for 2012, building on the success of 2010

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Customer Survey



- We are now running [a customer survey](#) to gather structured feedback we can use to improve our services

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Reliable Operations

Recent key ceremonies

- Ceremonies 7 & 8 were successfully completed
- Full transcripts & logs are published on the dns.icann.org web site

SysTrust certification renewed



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Domain Names

- Overview
- Root Zone Management
- .INT Registry
- .ARPA Registry
- IDN Practices Repository
- Root Key Signing Key (DNSSEC)**
 - Overview
 - SysTrust Certification**
 - Special Purpose Domains

DNSSEC SysTrust Certification

ICANN is committed to ensuring the security and stability of the Internet's unique identifier systems. As the DNSSEC Root Zone Key Signing Key (RZ KSK) manager, we are pleased to announce that ICANN's RZ KSK System has [achieved SysTrust certification](#) — an audit by the international accounting firm, PricewaterhouseCoopers, LLP (PwC) to ensure we have appropriate internal controls in place to meet the availability, processing integrity and security objectives for our RZ KSK System.



The Trust Services Principles and Criteria is an international set of principles and criteria developed and managed jointly by the American Institute of Certified Public Accountants (AICPA) and the Canadian Institute of Chartered Accountants (CICA). The SysTrust examination is a rigorous process developed by the AICPA and CICA to provide independent assurance that an organization's systems are reliable. Our SysTrust certification focuses on the following Trust Services principles:

- Availability — the system was available for operation and use, as committed or agreed
- Processing Integrity — the system processing was complete, accurate, timely, and authorized
- Security — the system was protected against unauthorized access

Each principle is supported by well-defined and detailed criteria that encompass a company's infrastructure, software, data, people, and procedures.

ICANN engaged PwC to perform the SysTrust audit, which covered the period of 15 June 2010 through 30 November 2010. PwC evaluated the IT operational practices and controls around the ICANN RZ KSK System and awarded ICANN with an unqualified opinion. ICANN will renew this certification annually.

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New Service

Time Zone Database



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Protocol Registries

[Protocol Registries](#)

[Time Zone Database](#)

[IANA's Performance](#)

[IETF Draft Status](#)

Time Zone Database

The Time Zone Database (often called tz or zoneinfo) contains code and data that represent the history of local time for many representative locations around the globe. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight-saving rules.

Latest version

Time Zone Data v. 2011n (Released 2 November 2011) [tzdata2011n.tar.gz](#) (205kb)

Time Zone Code v. 2011i (Released 29 August 2011) [tzcode2011i.tar.gz](#) (135kb)

Mailing List

Edits to the Time Zone Database are discussed on a dedicated Time Zone mailing list. Contributions on information of revised time zones are welcome to be posted to this list.

- [Subscribe/Unsubscribe from Mailing list](#)
- [Mailing list archive](#)

Distribution

We provide access to the Time Zone Database via three methods:

- HTTP: <http://www.iana.org/time-zones>
- FTP: <ftp://ftp.iana.org/tz/>
- Rsync: <rsync://rsync.iana.org/tz/>

Database Coordinator

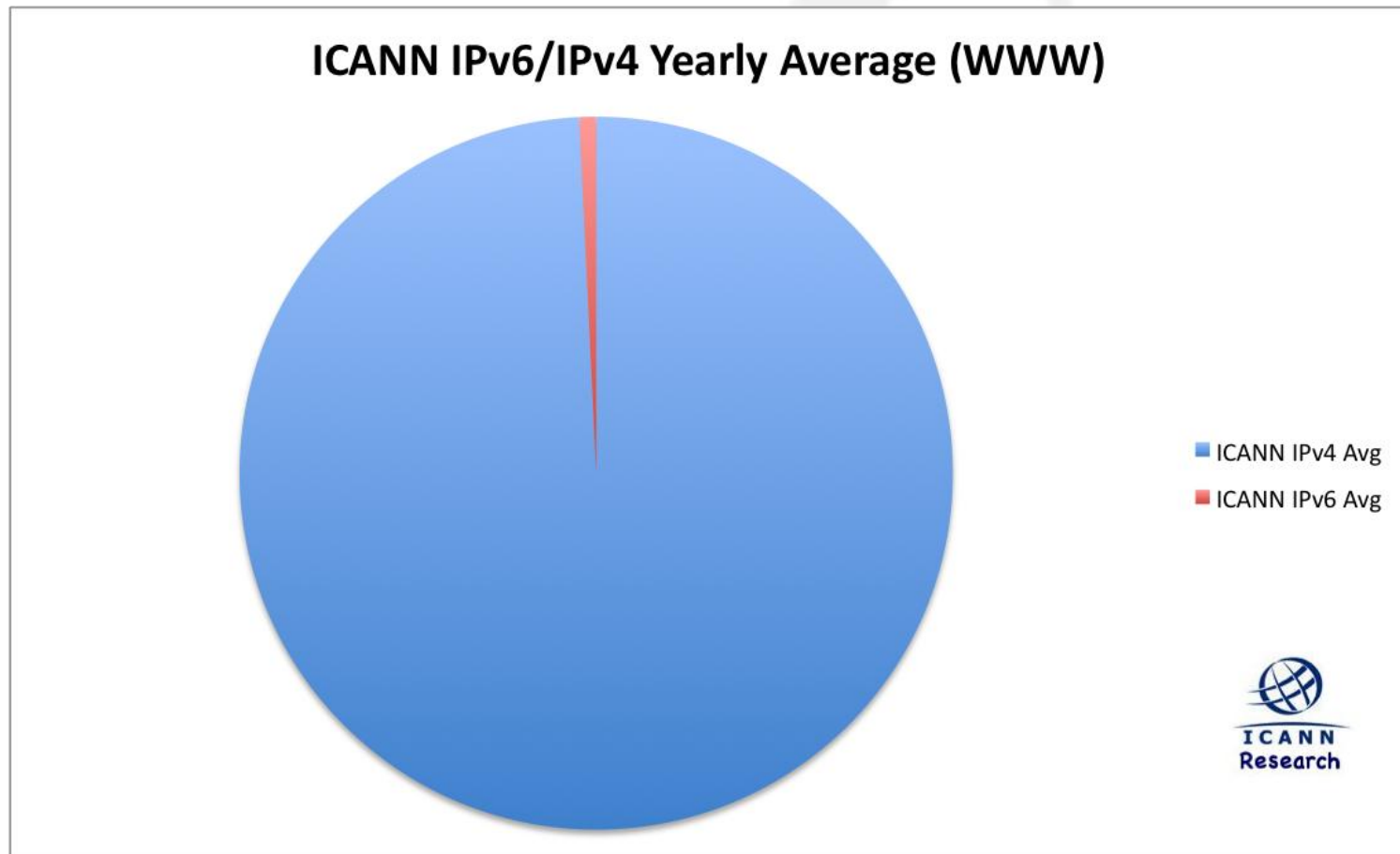
As an interim measure, updates to the database will be performed by ICANN as instructed by the [Internet Engineering Steering Group](#) (IESG). Long-term arrangements for management of the Time Zone Database are being finalised in the IETF. See [draft-lear-iana-timezone-database](#) for more information.

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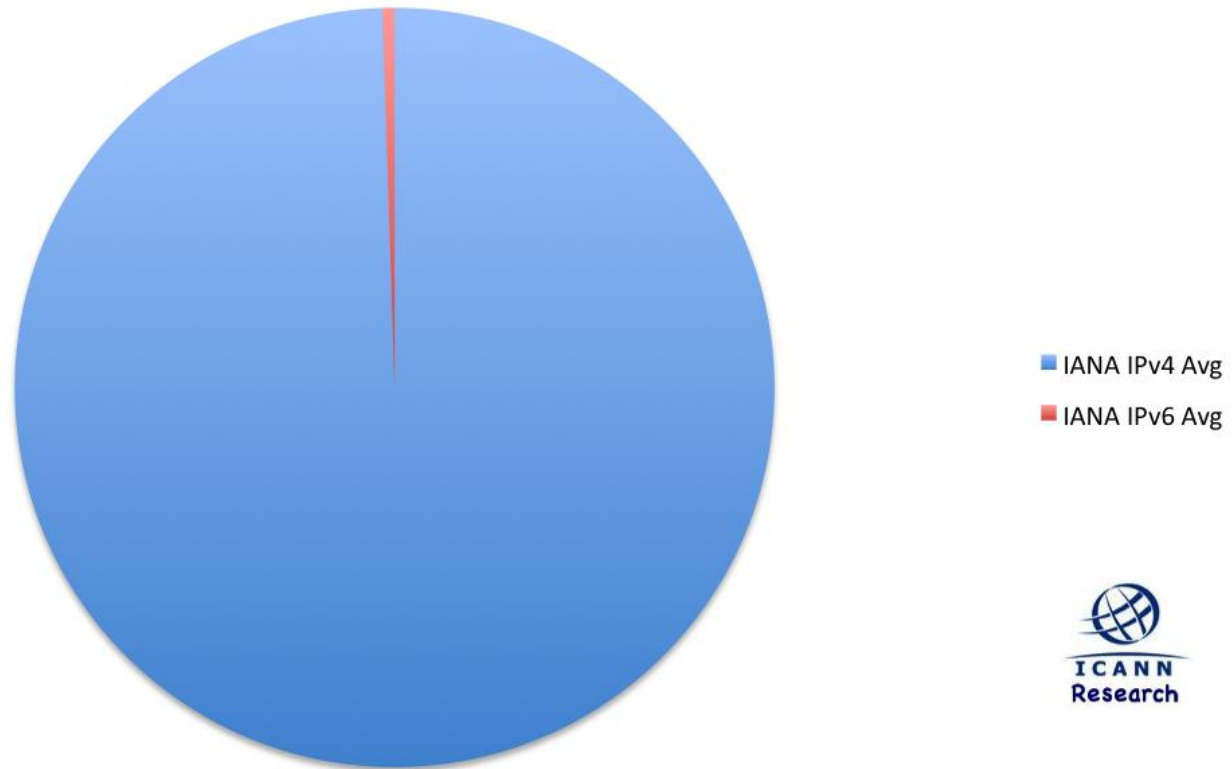
Statistics

IPv6 web stats (1 / 3)

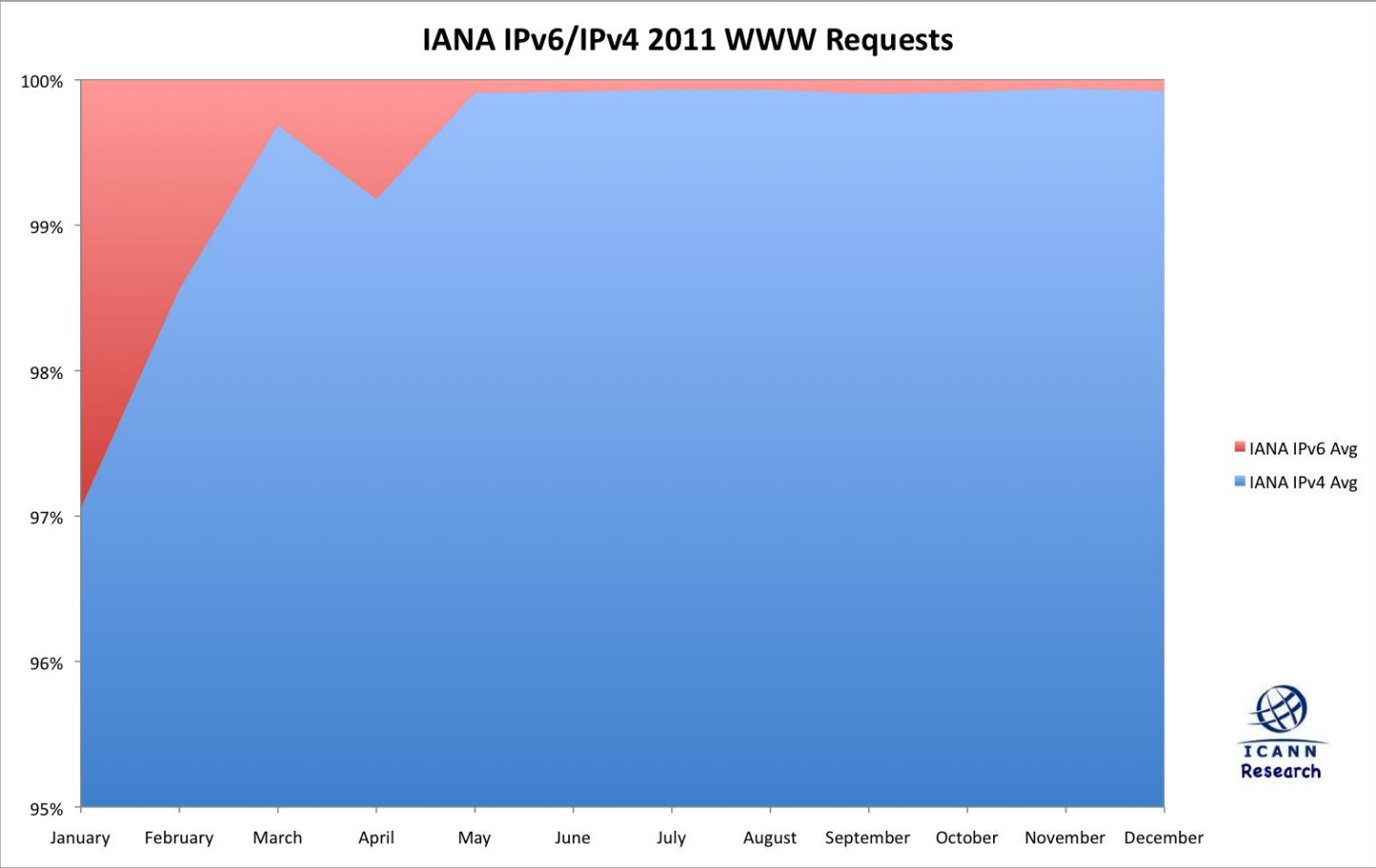


IPv6 web stats (2/3)

IANA IPv6/IPv4 Yearly Average (WWW)



IPv6 web stats (2/3)



But wait, there's more!

Too much to report here

Check out our research web site for a series of daily reports on the health of Internet resources

<http://stats.research.icann.org>



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- [BGP view](#)
 - [RIR allocation graphs](#)
 - [TLD DNSKey Report](#)
 - [TLD Wildcard Report](#)
 - [TLD DNSSEC Report](#)
 - [IN-ADDR.ARPA DNSSEC Report](#)
 - [IP6.ARPA DNSSEC Report](#)
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Mail [terry dot manderson at icann dot org](mailto:terry.dot.manderson@icann.org) to provide feedback



Thank You

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Questions