

How We Get There From Here: ISOC and the Future of the Internet

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www.internetsociety.org



Why do we want the Internet to continue evolving?

More new stuff
Innovating without permission

More people
Enjoying the same Internet we enjoy today

More devices
Supporting sensor nets and concepts like “smart grids”

Independent and collaborative networks
Evolving in their own right

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IPv6 is Beginning to Make Business Sense

IPv4 addresses now have prices attached

NATs are hard and expensive

Party lines don't work for business

Certain apps don't work at all (games)

New markets are going to be driven by IPv6

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IPv6 Deployment Already Underway

Free (France)

Comcast

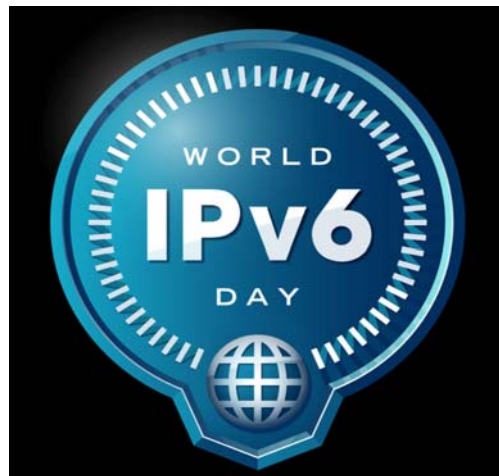
Japanese ISPs

Hurricane Electric

Google

YouTube

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8 June 2011

<http://www.worldipv6day.org>

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What is World IPv6 Day?

For 24 hours on 8 June 2011 (00h00-23h59 UTC) Facebook, Google, Yahoo! and more than 1000 other websites turned on IPv6 access on their “front door.”

- This is not about turning off IPv4.

Goals:

- Motivate Internet service providers, hardware makers, operating system vendors, Web companies and others to prepare their services for IPv6.
- Understand what issues still need to be addressed to ensure a successful transition to IPv6 as IPv4 addresses run out.

While there have been similar notable efforts, World IPv6 Day was the first global, real-world “test-flight” of IPv6, and the largest ever.

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Upcoming Initiatives

Additional world events

- Could target a different segment of industry
- Perhaps longer than a single day event (week)
- Likely mid-2012 with announcement soon

Much work going on behind the scenes

- Meetings with various industry segments
- Bringing together different groups to discuss deployment

Deployment & Operationalization Initiative

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Deployment & Operationalization (DO) Hub

DO Hub will work with the first adopter community to leverage their knowledge of new technology deployment and create resources that are easy to understand and quickly actionable by the greater operations community.

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Deployment & Operationalization (DO) Hub

Helps you

- DO IPv6
- DO DNSSEC
- DO other future standards

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What DO Hub Will Look Like

Online portals for new standards adoption

- IPv6, DNSSEC, future standards topics
- Knowledge base with deployment articles
- Case studies
- Blogs (deployment commentary)
- Social media
- Multiple languages

ION meeting series

- Co-located with a diverse set of events
- Events being planned to reach each continent

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When DO Hub Will Be Available

October 2011

- Preview web presence release
- Engagement with first adopters begins to create initial knowledge base articles
- First co-located ION event in Buenos Aires

November 2011

- Second co-located ION event in Toronto

December 2011

- Official launch of DO Hub resource (may launch with name different than “DO Hub”)
- First knowledge base articles published
- Social media and blogging

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How DO Hub Will Grow

New deployment articles will be added to the knowledge base on a regular basis

Our blogs and social media efforts will provide an ongoing conversation about deployment

We will feature the work of other groups

We will add features to this deployment resource in response to feedback received from audiences

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How to Participate

Help Create Content

- We are working with first adopters and experts to develop our materials
- We will credit your work

Help Define New Features

- We seek your valuable feedback on this deployment resource
- We have the flexibility to make changes/additions

Contact us: dohub@isoc.org

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Thank You!

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