the Internet is for
everyone

World IPv6 Day: June 8 2011

Why we care… and you should, too!

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World IPv6 Day – what it is

- June 8 2011 – 00h00-23h59 (UTC)
  - Major content providers turn on IPv6 access on their "front door"
    - Not just "side door" special hostnames
  - This is not about turning off IPv4

- The goal of this test flight is to motivate organizations across the industry – Internet service providers, hardware makers, operating system vendors and web companies – to prepare their services for IPv6 to ensure a successful transition as IPv4 addresses run out.

- It is an opportunity for the Internet industry to collaborate to test IPv6 readiness we expect to lay the groundwork for large-scale IPv6 adoption and help make IPv6 ready for prime time.

- It is not a first – there have been important local efforts, already (e.g., heise.de).

Why the Internet Society is supporting World IPv6 Day

The Future Internet, some expectations

- Even though Internet-connected devices are getting smaller and more diverse, users still expect "the Internet"
  - not just a subset of data services
- There will be more Internet hosts than IPv4 addresses well before the end of this decade
  - Even if we could re-use every IPv4 address, there aren't enough

- ✓ IPv6 is the only answer for a globally-connected future Internet

World IPv6 Day...

- The Internet Society is supporting World IPv6 Day as part of its efforts to accelerate IPv6 deployment.
  - 2011 is a pivotal year in IPv6 deployment
  - World IPv6 Day will be an important milestone
- IPv6 has to work
  - It must work for existing companies – business viable
  - We need to see a lot more actual traffic and usage – out of the realm of the hypothetical
- IPv6 deployment has been a bit of a moving target
  - Much easier to set up and test your own config if you know there is a body of content available
  - Much better to measure actual impact of v4/v6 coexistence than to estimate

What we have seen already

- Lots of interest from all over
  - Content providers, ISPs, websites with content
    - About 125 entities have contacted us so far
    - 19 websites are listed on our webpage who plan to turn on v6 June 8
    - Created space for lots of sites who are running dual stack already
    - Will be creating space for the 25 or so networks, hosting companies, etc. who offer commercial v6 and are interested in helping their customers participate
    - People around the globe are organizing in their local region (already have links to Japan and Slovenia, more will be appearing)
- All across the globe
  - Interest from people on everyone continent

What we hope to see

- Nothin'!

- It'll all work, right? ☺

- Test your IPv6 readiness:
  - http://test-ipv6.com/
- And, various measurements, tests, will be undertaken
  - Connectivity from different perspectives
  - Configuration brokenness ("self testing")

http://isoc.org/wp/worldipv6day

- Information for what you need to do if you want to come play
  - Website owners
    - Send us the URL of the website you intend to make available
    - Contact info for a network engineer
    - A webpage describing why IPv6 is important for your business is a plus
  - Network operators, hosting companies, etc.
    - A commercial IPv6 service offering
    - A webpage describing why IPv6 is important for your business, customers, etc.; we'll link to it

- Contact us…
  - If you're interested in participating
  - If you're planning to do some measurements or testing
- Help us make this a truly GLOBAL IPv6 Day

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Thank you!

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