



# IPv6 in the Real World: FUD Impacting IPv6 Deployment

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# Disclaimer

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# IPv6 is a Fad

- World IPv6 Day demonstrated the engineering and operation of IPv6 on a large scale is possible.
- Many of those that participated are still running IPv6 today, but many did turn it off.
  - However, the number of sites turning it on permanently continues to grow.
- Many are preparing to participate in IPv6 events in 2012 & 2013.
  - IPv6 Week - February 6-12, 2012
  - World IPv6 Day II - 1H 2012 (no announcement yet)
  - IPv6 Flag Day (unofficial) - January 1, 2013
    - “I hope than on January 1, 2013, IPv6 will be turned on to run alongside IPv4 to mark exactly 30 years since the Internet was turned on.”- attributed to Vint Cerf at the iHub Nairobi Conference 10/29/2011.

# Noone uses IPv6

- General use of IPv6 continues to grow, but is a fraction of the IPv4 traffic.
- Consumers of IPv6 on older software are at a disadvantage.
  - Need to upgrade to latest OSes and Browser Software.
- Large providers are managing some of their network infrastructure with IPv6.
- There are noteworthy large enterprises (e.g. Bechtel) and government organizations (e.g. SPAWAR) that have been using IPv6 for years.

# Consumers can't get IPv6

- Broadband providers are starting to deploy IPv6 to consumers.
  - [Comcast](#) started market deployments in November and will continue to rollout dual-stack IPv6 throughout 2012.
  - [Time Warner Cable](#) expects to have production consumer and business IPv6 services available in the first half of 2012.
- The [Consumer Electronics Association](#) has started a working group on IPv6 in August, 2011.
  - This will hopefully result in IPv6-enabled consumer devices (Blu-Ray Players, Internet-enabled TVs) with IPv6 in 2013.

# IPv6 is Too Hard to Deploy

- Hardware with [IPv6 Ready Logo](#) is available.
  - IPv6 Ready CPE for home routers is currently in public review.
- Free Training available on-line.
  - Also many consultancies and vendor-supported resources are available for paid engagements.
- Many practical examples and reports of deployments already done are widely available.
  - Books, on-line reports, slides from years of IPv6-specific meetings.
- Attend an IPv6 event and learn more.
  - [North American IPv6 Summit](#) - Denver April 9-11, 2012

# The Wait is Over!

- **Helpful Resources:**
  - <http://getipv6.info> - ARIN's IPv6 Wiki
  - <http://ipv6forum.com> - IPv6 Forum's Web site
  - <http://www.6diss.org/e-learning/index.html> - Free IPv6 On-line Training courtesy of the 6DISS project.

# Thank You!

- This slide deck will be available to download at <http://www.txv6tf.org>.