# From World IPv6 Day to World IPv6 Launch: This time it's for real

Leslie Daigle

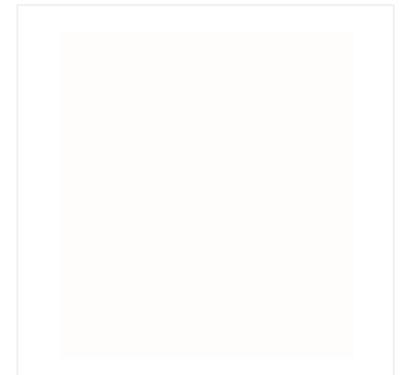www.WorldIPv6Launch.org

# IPv6:  The Grass *IS* Greener!

# World IPv6 Launch 2012

- **This time it's for real: 6 June 2012 is the kick-off date**

- **Regular business operation with IPv6**

- **"On by default"**
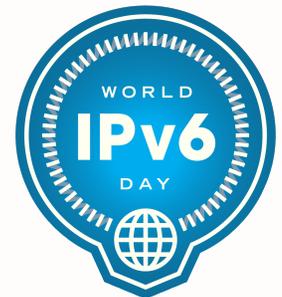
- **Commercial IPv6 at scale by year-end.**

# Recall…

**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"**

**Global, real-world "test-flight" of IPv6**

**Catalyzed the kind of collaboration that the Internet has relied upon through its history – people noticed that the Internet industry came together to advance something that is important for the overall long term health of the Internet**

**Traffic numbers were low globally (< 1%), but in France >3% of traffic was IPv6, due to one IPv6 enabled network (Free)**

– this demonstrates that if you enable your network with IPv6, it will
  IPv6

– this will be true wherever IPv6 is turned up.

# Motivations for the World IPv6 Day and World IPv6 Launch

**Breaking the chicken-and-egg problem of IPv6 deployment – networks clearly see that content is getting there**

**Improving IPv6 connectivity by understanding outstanding issues**

- For WIPv6 Day: issues faced by a small percentage of users (but significant numbers for large content providers) – more fixes are in flight
- For WIPv6 Launch: any remaining issues "at scale"

**Providing a target date for already planned IPv6 rollouts – people definitely responded to having a date**

**Spurring organizations to create a plan for rolling out IPv6 – being like identifiable industry titans is important**

# World IPv6 Launch

www.worldipv6launch.org

**When?**

- **6 June 2012**

**What?**

- **IPv6 becomes part of Regular Business, on by default, no special configuration necessary for anyone anywhere**

**Who?**

- **Access networks, home router vendors, websites from around the world participating, please join – www.worldipv6launch.org**

**Why?**

- **Acceleration: those already planning to roll-out IPv6 should accelerate their plans**

- **Adoption: those who don't have plans yet, it's safe now, please start**

- **Definition: industry leaders are establishing IPv6 as the new normal**

# World IPv6 Launch: Websites

## Who?

- **Facebook, Google, Microsoft Bing, and Yahoo!**

- **Others are welcomed to join, see: www.worldipv6launch.org**

- **Akamai and Limelight are enabling their customers who ask for it.**

## IPv6 becomes part of Regular Business now

- **IPv6 is permanently enabled on the main website**
  - No IPv6 specific URLs (www.ipv6.example.com) or mirror sites

- **IPv6-enabled users will use IPv6 without extra configuration**

- **The World IPv6 Launch website will have a reachability dashboard similar to what was used in 2011 for World IPv6 Day**

# World IPv6 Launch: Access Networks

**Who?**

- **ATT, Comcast, Free, Internode, KDDI, Time Warner Cable, XS4ALL**

- **Additional networks are welcome to join, see: www.worldipv6launch.org**

**IPv6 becomes part of Regular Business now**

- **New subscribers get IPv6 on by default after 6 June 2012**

  – No user config required

- **1% of visits to IPv6-enabled websites from participating networks is done using IPv6 by 6 June**

  – IPv6 usage will depend on IPv6 capabilities of home networks and home equipment, so the enabled customer base should be higher

  – This will be measured by the big participating websites and displayed on the World IPv6 Launch website

# World IPv6 Launch: Home Router Vendors

## Who?

- **Cisco, D-Link**
- **Additional home router vendors are welcome to join, see: www.worldipv6launch.org**

## IPv6 becomes part of Regular Business now

- **Majority of products shipping with IPv6 on by default**
- **No user configuration is required to use IPv6**
- **V6 interoperability verification by UNH-IOL (and others?)**

# Joining World IPv6 Launch is a Commitment to Commercial-grade IPv6

- **Industry leaders are committed**

- **Aims to encourage additional commitment**

- **Builds on and makes a significant step up from World IPv6 Day in 2011**
  - World IPv6 Day blew the doors off some preconceptions:
    - that IPv6 isn't doable, and won't be done
    - that industry players can't coordinate
    - we've seen and heard repeated evidence of "changed minds" because of the event

**IS FOR REALZ NOWZ. SRUSLY.**

The Internet Society

# THIS TIME IT IS FOR REAL
# 6 JUNE 2012

## www.worldipv6launch.org