

World IPv6 Day: 8 June 2011

www.WorldIPv6Day.org

What is World IPv6 Day?

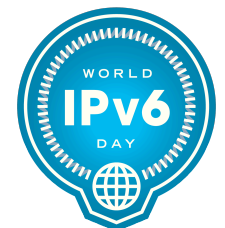
For 24 hours on 8 June 2011 (00h00-23h59 UTC) Facebook, Google, Yahoo! and more than 1000 other websites turned on IPv6 access on their “front door”.

- This is not about turning off IPv4

Goals:

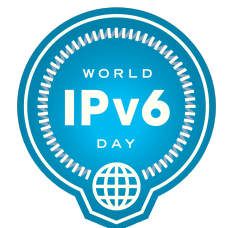
- Motivate Internet service providers, hardware makers, operating system vendors, Web companies and others to prepare their services for IPv6
- Understand what issues still need to be addressed to ensure a successful transition to IPv6 as IPv4 addresses run out.

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



Motivations for the World IPv6 Day Event

- **Breaking the chicken-and-egg problem of IPv6 deployment**
- **Improving IPv6 connectivity by understanding outstanding issues faced by a small percentage of users (but significant numbers for large content providers)**
- **Providing a target date for already planned IPv6 rollouts**
- **Spurring organizations to create a plan for rolling out IPv6**
- **Catalyzing the kind of collaboration that the Internet has relied upon through its history**



Global Response

Initial commitment from websites:

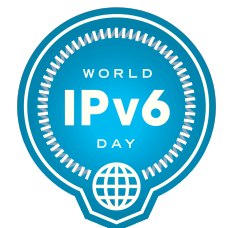
- Facebook
- Google
- Yahoo!

And content delivery networks:

- Akamai
- Limelight Networks

Interest from websites, ISPs, hosting companies, exchanges, vendors around the world

- More than 1000 organizations contacted us
- 1000s of websites turned on IPv6 for 24 hours



Who turned up IPv6 on June 8?

www.google.com

www.facebook.com

www.youtube.com

www.yahoo.com

www.yahoo.co.jp (#12)

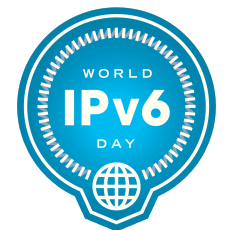
www.bing.com (#21)

www.microsoft.com (#25)

www.bbc.co.uk (#38)

www.cnn.com (#48)

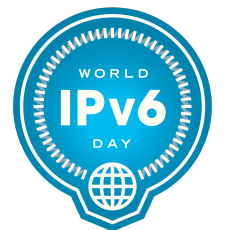
www.aol.com (#55)



If you were in Korea...

www.naver.com (#1)

www.daum.net (#4)



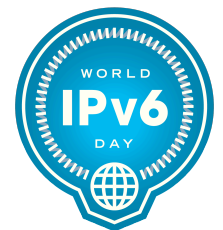
If you were in the Czech Republic....

www.novinky.cz (#6)

www.super.cz (#10)

www.firmy.cz (#21)

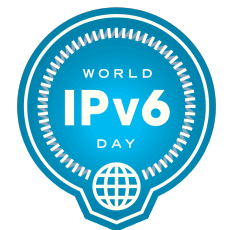
www.mapy.cz (#22)



If you were in Brazil....

www.terra.com.br (#12)

www.ig.com.br (#15)



Sampling of USG sites

Veterans Affairs (www.va.gov)

Commerce (www.commerce.gov)

Census (www.census.gov)

FAA (www.faa.gov)

Treasury (www.treasury.gov)

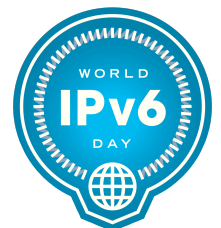
Education (www.ed.gov)

State (www.state.gov)

Defense (www.defense.gov)

Energy (www.energy.gov)

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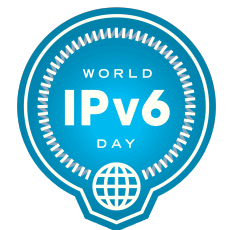


Hosting companies added thousands of domains...

www.host.md (@4500 - permanent)

www.task.com.br (@7000 – left on)

www.df.eu (@700,000)



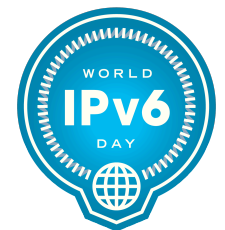
Documenting Success

Improved connectivity

- **Large websites have their finger on the pulse of this important aspect of June 8**

Participating sites

- **Documented through an IPv6 reachability dashboard**
 - <http://www.worldipv6day.org/participants-dashboard/index.html>
- **Longer term goal is permanently turning up IPv6: some of that will happen on the day; some will happen as a result of the activities on the day, but later; some will need more time**
- **Roughly 2/3rds of the participating sites who contacted us remained on**



Participating Websites Graph

