

# World IPv6 Day: 8 June 2011

[www.WorldIPv6Day.org](http://www.WorldIPv6Day.org)

# What is World IPv6 Day?

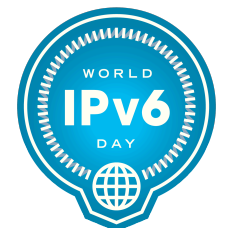
**For 24 hours on 8 June 2011 (00h00-23h59 UTC) Facebook, Google, Yahoo! and more than 1000 other websites turned on IPv6 access on their “front door”.**

- This is not about turning off IPv4

## **Goals:**

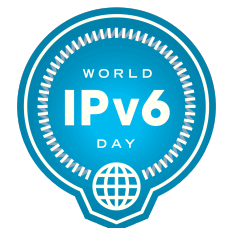
- Motivate Internet service providers, hardware makers, operating system vendors, Web companies and others to prepare their services for IPv6
- Understand what issues still need to be addressed to ensure a successful transition to IPv6 as IPv4 addresses run out.

**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:

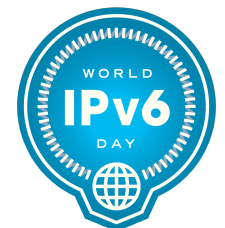
- Facebook
- Google
- Yahoo!

## 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)**

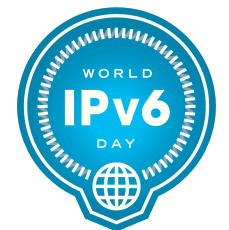
**www.bing.com (#21)**

**www.microsoft.com (#25)**

**www.bbc.co.uk (#38)**

**www.cnn.com (#48)**

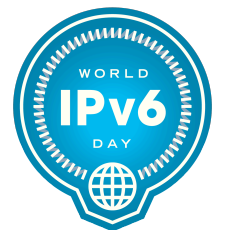
**www.aol.com (#55)**



# If you were in Korea...

**www.naver.com (#1)**

**www.daum.net (#4)**



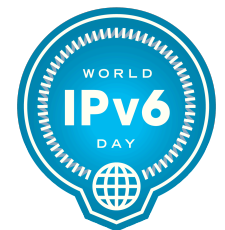
# If you were in the Czech Republic....

**www.novinky.cz (#6)**

**www.super.cz (#10)**

**www.firmy.cz (#21)**

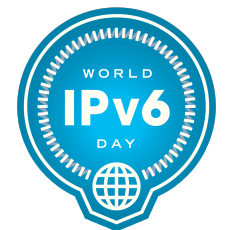
**www.mapy.cz (#22)**



# If you were in Brazil....

**[www.terra.com.br](http://www.terra.com.br) (#12)**

**[www.ig.com.br](http://www.ig.com.br) (#15)**





## Sampling of USG sites

Veterans Affairs ( [www.va.gov](http://www.va.gov) )

Commerce ( [www.commerce.gov](http://www.commerce.gov) )

Census ( [www.census.gov](http://www.census.gov) )

FAA ( [www.faa.gov](http://www.faa.gov) )

Treasury ( [www.treasury.gov](http://www.treasury.gov) )

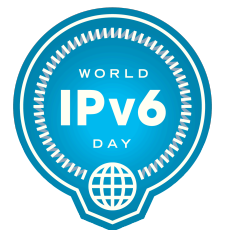
Education ( [www.ed.gov](http://www.ed.gov) )

State ( [www.state.gov](http://www.state.gov) )

Defense ( [www.defense.gov](http://www.defense.gov) )

Energy ( [www.energy.gov](http://www.energy.gov) )

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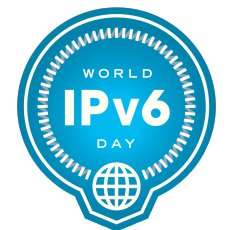


# Hosting companies added thousands of domains...

**www.host.md (@4500 - permanent)**

**www.task.com.br (@7000 – left on)**

**www.df.eu (@700,000)**



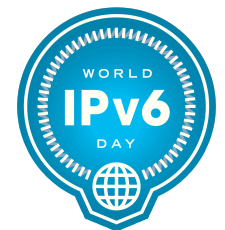
# Documenting Success

## 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

