

The Internet Society and its IPV6 programme

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Outline

- Why Internet Society promotes IPV6 Deployment?
- ·World IPV6 Day 2011
- ·Way Forward
- · Conclusion

Why Internet Society promotes IPV6 Deployment?

- Vision
 - The Internet is for everyone
- Mission
 - To assure the open development, evolution and use of the Internet for the benefit of all people throughout the world
- · Initiatives
 - Enabling access
 - Trust and Identity
 - Internetworks
 - · Purpose: ensure the reliability and growth of Internet
 - · Programmes: Global Addressing Programme, ...

World IPv6 Day – 2011 – Rational

- The Internet Technical community has been pushing for IPV6 deployment for several years
- The adoption level is low in spite of the depletion of IPv4 stock
- One of the reasons was because many content providers and network operators hesitate doubting that IPv6 is not ready for large scale deployment
- This created a disincentive for an individual large content provider to act unilaterally
- The Internet Society came up with the idea of the World IPV6 Day for the Internet industry to collaborate to test IPv6 readiness

World IPv6 Day – 2011 ...

- On June 8 2011 24 hours
 - Participants turned on IPv6 access on their "front door" (Not just "side door" special hostnames)
 - This was not about turning off IPv4
- To motivate organizations across the industry to prepare their services for IPv6
- To create an opportunity for the Internet industry to collaborate to test IPv6 readiness
- To lay the groundwork for large-scale IPv6 adoption and help make IPv6 ready for prime time.
- It was not a first there have been important local efforts, already (e.g., heise.de).

World IPv6 Day – Participation

- Nearly 400 participating organizations including major content providers, turned on IPv6 access on their "front door"
 - Not just "side door" special hostnames
 - This is not about turning off IPv4
- Amongst the participants major content providers such as
 - Facebook, Google, Yahoo, Akamai, and Limelight Networks
- African participation
 - Limited
 - Some chapters organized local events
 - AfriNIC public policy meeting

World IPv6 Day – Results

- · Over 1 million users on IPV6
- · No technical glitch
- · Very good feedback
 - « It is a big day for the history of Internet. IPv6
 will enable the Internet to scale for the generation to come » Donn Lee, Facebook
- · Conclusion of the World IPv6 Day 2011
 - The Internet is ready for IPv6

Way Forward

- The Internet Society will continue to promote the deployment of IPv6 with all other stakeholders
- · World IPv6 Day 2012
- · World IPv6 Day is not an Internet Society event
- What to do to make the World IPv6 Day 2012 a success
 - Increase participation (especially in Africa)
 - Increase visibility (especially in Africa)
 - · Increase local and regional activities
 - · Roll and Stick

Way Forward

- Three objectives of the Internet Society
 - · Major websites turn on IPV6 and leave it on
 - · Access networks to turn on IPV6 for users
 - Network product providers to ship their equipments with IPV6 enabled

Conclusion

- •The Internet is ready for IPv6
- ·Africa should lead on IPv6
- Let's work together for World IPv6 Day 2012
- ·It's time to Roll and Stick

