

IPv6 Deployment Talk EU Action Plan

RIPE56
Berlin, 6 May 2008

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Presentation outline

- Who are we?
- Why an EU initiative?
- What are we proposing?
- How are we going to proceed?

DG Information Society and Media

Who are we?

- About 1000 staff members
- Annual budget about 1.5 bn Euros throughout various programmes
- Policies:
 - (De-) Regulation of telecommunications, broadcasting, and aspects of eCommerce
 - Financial support for research and development and other projects
 - Policy initiatives for instance “IT and ageing population”, “Intelligent car”, “RFID”, ...
 - ... and “IPv6”

Why an EU initiative?

Background

- IPv4 address problem
- Basically two options:
 - Continue IPv4, manage scarcity
 - And introduce IPv6 only when IPv4 becomes truly unsustainable or we may have found something else
 - Introduce IPv6 proactively
- There are arguments in favour and against for both options
- ICANN and RIRs have stressed the need to adopt IPv6 as a matter of urgency
- European Commission shares this view
- Already in 2002, Commission launched an initiative

Why an EU initiative? Approach

- Adoption of IPv6 is a largely decentralised and global market process ...
- ... in which the public sector and public policy play a role
- Incentives for individual actors to adopt IPv6 depend on the adoption of others (public choice problem)
- In such a situation public policy can make a difference

What are we proposing?

Action Plan Overview

- Strategic objective: **EU should have made a significant step by 2010**
- Stimulation of IPv6 reachable content, services, and business applications
- Timely preparation of the introduction of IPv6
- Public sector procurement
- Monitoring security and privacy implications

What are we proposing?

Stimulate IPv6 reachable content

- Public Websites IPv6 accessible
 - Discussion and agreement with Member States
 - Europa and Cordis Website
- Cooperation with content and service providers
 - Commitment of key players
- Projects to support “green field” IPv6 (e.g. sensor networks) deployments
- Framework Programme 7 projects to utilise IPv6 whenever possible

What are we proposing?

Timely preparation for IPv6

- Awareness campaigns in collaboration with private actors
- Dissemination practical deployment knowledge
- Encourage ISPs to provide IPv6 connectivity
- Introduction of IPv6 into curricula of computer and network engineering courses
 - Partnerships
 - Study
 - Conference 2009

What are we proposing?

Public Procurement

- Policy agreement amongst all EU Member States
 - Network contracts
 - Equipment
- Commission is requesting IPv6 capability in network equipment and services
 - Internal trials and projects

What are we proposing? Security and Privacy Issues

- Dialogue with vendors
 - In particular as regards features and support
- Dissemination of best practice
- Monitor privacy implications
 - Consultation with stakeholders

How are we going to proceed?

- Adoption by the Commission foreseen 22 May
- Launch event in Brussels 30 May
- Discussion and agreement on common actions in Council (Member States) by end 2008
 - Establish cooperation between CIOs of Member States on IPv6
- Launch of studies and projects under way
- Measurement of IPv6 deployment
 - Two implementation tests in 2009 and 2010 to measure 25% target
- Stock taking in 2010

More information

- IPv6 Website:
- http://ec.europa/information_society/policy/ipv
- FP6: <http://cordis.europa.eu/ist/>
- FP7 ICT Programme:
<http://cordis.europa.eu/fp7/ict/>
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