

I Pv6 TF I nfrastructure Points

Infrastructure Report (WG1)

- Thanks are due to everyone for contributions and comments. Work done mostly through electronic means over Internet (although not through IPv6 ☺)
- WG1 report with an 11 pages-recommendations. Emphasis is *not* to produce a highly technical document, but readable recommendation document for European decision makers.
- WG1 recommendations are well balanced and included into main document, as you have seen.
- TF and WG1 have done a remarkable job in the FIRST step towards starting (r)evolution towards IPv6 Europe.

Main points in Report

- Conservative early reasoning why to move towards IPv6
 - Address space, autoconfiguration, security, E2E
- Recommendations and justification tries to emphasize the requirement to start as early as possible, points out the advantage of "self-regulation" and market driven moves (i.e. advises against any strict time-lines, regulations, fees)
- Specific recommendations emphasize coordination, project & trials funding, awareness, and best-practices.

Issues

- The infrastructure WG did not consider deeply wireless infrastructure (as there was another WG), hence there were not so many open questions.
- It is important to be positive and encouraging in PR. However, there are some several open issues on IPv6 deployment roadmap: IPsec, market demand, cost estimation etc.
 - These uncertainties are natural, and should be discussed in future roadmaps and when best-practices recommendations are given out.
 - My personal opinion is that sometimes (but only sometimes) e.g. security is overemphasised: "I do not lock light-switches in my living room...my guests can play with them."

Road Ahead

- The most important lesson is to remember that this IPv6 TF is **only** the first step!
- We have produced a good set of recommendations that will be hopefully adopted by EU and Member States.
- However, there is a lot to be done as community and within our organizations in order to make IPv6 happen.

Road Ahead Actions

- **Need Large Trials that produce best-practices**
 - European Union Projects (such as 6NET, 6WI NI T) going on but still need for new esp. in wireless area.
- **Need to (quickly) raise awareness on IPv6**
 - Task Force and EU can help on this
 - IPv6 Forum and its fellows / technical directoriate can also play an important rôle.
- **European Co-ordination of Efforts**
 - Continuation of TaskForce to provide awareness, industry road maps and to provide best-practice info.
 - European Projects, Trials and R&D coordination from 2002 especially for 6th Framework Programme. There is need to somehow increase cohesion between individual projects and efforts.
 - European (virtual) center for IPv6: joint challenge between academia and industry to provide knowledge and code-base? Who is going to plan and drive it? We should learn from known successes and failures of centers in Europea and U.S. !!

You ain't seen nothing, yet!

- In summary...

Move towards IPv6 has started. It will be a quite formidable job to finish it. There are lots of challenges, but also opportunities in this road.

At least from infrastructure point of view, Let's continue and increase our efforts.