Joao da Silva , cc Latif Ladid

With respect to your e-mail asking for comments on the mandade for the IPv6 Task Force. Below you have some comments from my side. They partly reffer to an Ericsson White Paper "IPv6 in 3G Wireless Networks".

Mats Nilsson, Ericsson

Introduction

Internet started very much as a research effeort both as a backbone and an application environment. I.e. it was the need to connect computers in various research organisations and the applications (like the WEB) becoming popular in the research community, that provided the original breeding-ground for The Net. Following the research net&applications, commercial nets&applications came to life as "spin offs".

Goals for the IPv6 Task Force

One major aspect is to create a breeding-ground for a global IPv6 industry in Europe. Using the similarities with the way Internet "came to life", an approach were research nets&applications become connected with the relevant commercial players providing nets&applications is one such aim. This can be achieved through various activities and incentives (including various financial aspects) to ensure a "commercial-to-research spinn-off interaction". Apart from already ongoing activities in research, promotion and standardisation of IPv6, the following items are important to adress:

- Market analysis covering projections of growth of IP clients in general, i.e. showing when the IPv4 adress cealing will be reached in various markets covering EU and the global mobile community.

- Market analysis of services specifically requiring IPv6 functionality.

- Development of transition guidelines for ISPs in EU and the mobile operators globaly. The work presented by Dr. Zehl at the second IPv6 Task Force meeting, represent one excellent approach. Also the Ericsson White Paper "IPv6 in 3G Wireless networks" outlines transistion scenarios for mobile operators. This work needs to be progressed into solid recommendations, so a consistent transition strategy can be implemented. Otherwise we risk a fragmented approach that will overload the Net forever with Translators, Dual Stacks and Tunnels.

- Creating an "Intenet-2 like breeding mechanisms" were commercial Nets&Applications can "interact" with ongoing research Nets&Applications. Cross industry fora is one way to create such a breeding ground. But for such an approach to be effective a focus towards finding win-win scenarios for such relevant industries must be driven effectively. In this case combining Application developers, Content providers, Equipment manufacturers, Service

Providers and Operators, to a focussed goal finding incentives to move towards an IPv6 environent.

- Develop an IPv6 Naming&Adressing&Routing study that will develop naming-, subadressing schemes and routing priciples for IPv6 based on requrements from the EU based ISPs and the mobile operators globally. The Ericsson White Paper “Ipv6 in 3G Wireless Networks” contains proposals on how to handle this for the mobile operators. This is an effort that goes across standardisation and Naming&Adressing assignment. Therefore it is essential to ensure such an initiative is in place, adequately representing the needs of the European ISPs and the mobile operators.

Recommendation

The suggestion is then that IPv6 Task Force shall establish recommendations to ensure that the above items, listed as goals for the Ipv6 Task Force, are covered by relevant activities and other measures nessesary.