



CYBERNET

IPv6 Status in Pakistan

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Starting Point

- ▶ There are certain questions and misconceptions we have been dealing with:
 - IPv4 exhaustion is not real, it will take at least 5 more years.
 - Yes, we have enabled IPv6 on our core router. Now what?
 - We don't have enough money to upgrade everything.
 - We would like to cope up with IPv6, teach us how?
 - My internet is still working why should I participate in W6D or v6 Launch events?

IPv6 delegations in Pakistan

- ▶ As of 25th February 2012, there are 60 APNIC members in Pakistan.
- ▶ Every member is entitled to get an IPv6 allocation of /32 (and /48 assignments where applicable).
- ▶ BUT Unfortunately.....
- ▶ According to APNIC database out of 60 only 24 Members have acquired IPv6 address space. i.e. **~40%**
- ▶ Out of 24 members having IPv6 address space only 8 are advertising their prefixes on the Internet. i.e. **~13%**

IPv6 Task Force Pakistan

- ▶ IPv6 Task Force was created by few technology enthusiasts from Cybernet, Supernet and Dancom (acquired by LinkDotNet).
- ▶ It is accredited by IPv6 Forum, APNIC, SANOG and PTA.
- ▶ The main idea was to start working towards IPv6 deployment as early as possible.
- ▶ A working charter was established with consensus among the stake holders.

IPv6 Task Force Pakistan

Task Force was formed with the following objectives:

- ▶ Identify key application/product vendors and ISPs to promote IPv6 in Pakistan. **[In-Progress]**
- ▶ Propose, discuss, implement and share regional and local IPv6 strategies. **[Failure]**
- ▶ Facilitate the means to promote IPv6 and its related technology through TF managed events and web portal. **[In-Progress]**


IPv6 Task Force Pakistan

- ▶ Work with academia to promote addition of IPv6 in their curriculum. **[Successful]**
- ▶ Develop General Deployment and Transition Guidelines. **[Successful]**
- ▶ Investigate and publicize IPv6 deployment status. **[Successful] & [In-Progress]**
- ▶ Establish and maintain Project 6Core (National IPv6 Core of Pakistan). **[Stagnant]**
- ▶ W6D Participation from Academia and ISPs. **[2 Participants only]**

We are already late. Do Something!

- ▶ A planned rollout in an average moderate network environment could take 2 years.
- ▶ If you are still looking for a business case than imagine Internet with NAT only.
- ▶ The sooner you start, the more time you have to test the network.
- ▶ Start conserving your IPv4 addresses for rainy days.

Attitude towards IPv6



Come on, we still have IPv4. Just take it easy and see what will happen. Relax!

Courtesy: Tomas Podermanski

We Need Your Support!

Any Questions.....

Thank you..

▶ Related Links

- *IPv6 Task Force Pakistan* www.ipv6tf.org.pk
- *APNIC IPv6 Program* www.apnic.net/community/ipv6-program
- *IPv6 Forum* www.ipv6forum.org

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