

npIX Report card 2004/2005

Gaurab Raj Upadhaya

CEO / Tech Chair

Nepal Internet Exchange

gaurab@lahai.com, info@npix.net.np

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Recent Happening

- Namche Networks and Subisu Cablenet have joined with fiber optic connection
- Mercantile has upgraded to Fiber at NPIX-JWL
- Vianet has connected to NPIX-JWL
- Infocom connected NPIX-JWL

Other Updates in 2005

- Looking Glass for npIX operational
<http://lg.pch.net/>
- TU Foundation from Sweden makes a grant to install a anycast version of the i.root-servers.net (I-root Server) at the NPIX. It should be done before the end of September.
- NPIX commissioned a project to create routing archives of the NPIX routing table.

Traffic Stats

- You are all aware of the traffic stats.
 - Refer to <http://jwl.npix.net.np/>
 - Our recording show about 10 Megs of local traffic going through the npIX in average at the two switches.
 - NAMCHE AND SUBISU have contributed to the increase. The biggest destination of traffic still seems to be to MOS and WLINK
 - The shutdown of Nepalnews chat server didn't really make an impact.
 - The graphs show that for each ISP traffic has grown at least 100% in the past one year

Routing Stats

- Currently, we are seeing an aggregate of slightly more than /17 (plus /22) address space at NPIX
 - 2 /19, 1 /20, 2 /21, 3 /22, 6 /23 12 /24, 1 /25
 - This roughly translates into 33920 IPs in the valley.
 - APNIC db shows WLINK has received a new /19, so this should increase the host count as well as the routing table.
 - Non-aggregate announced due to network design. ISPs may want to manage their space better in future. Internationally /25 are not accepted publicly.

Netflow Collection

- Work has started on setting up a netflow collector at NPIX.
 - At the right time, we'll ask members to export the flows from their NPIX facing router interface
 - Netflow will allow us to measure traffic with the Source and Destination AS metric, as well as aggregate traffic flows statistics for different ports.

Other Update

- Semi-annual General Meeting started.
 - January and July
 - Two already held
 - Keynote by well known people
 - Side event
 - Lots of Beer Drinking
 - Good participation from all members
- Some more effort to be put into documentation.
- npIX management network to be multihomed

Target for next six months

- Migrate MRTG and start Netflow on a single host connected directly to the NPIX switch
- Create an archive of the routing table status at NPIX.
- Have a workshop with possible IPv6 options.

Miscellaneous

- Backup site ?
 - Under Discussion
- Mailing List for system administrators / network administrators including clients and non ISPs ?
 - Done
- Support the creation of NepCERT
 - Done
- Website update and portal
 - Hmm..when there is time

Questions ?

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