Internet Exchange Nepal (npIX) 2018 (ASN 24474)

| IX Name       | 1. npIX – PTS  
|               | 2. npIX – JWL |
| City, Country | Kathmandu, Nepal |
| Peak traffic  | 32G |
| Regular traffic | 6 G |

- Recent updates
  - 32 Paying members
  - IP, ASN and network transition planned for Aug end.

- Information
  - http://www.npix.net.np
  - rupesh@npix.net.np
Starting History

- Initiated after APRICOT, on 22 April, 2002
- First Meeting of the Working group on 1 March, 2002
- Very active participation from WG members
  - Ritesh Joshi, Rupesh Shrestha, Binay Bohra, Dileep Agrawal, Gaurab Raj Upadhaya, Krishna Shah, Alok Tuladhar
  - Bill Woodcock, Philip Smith, Brian Longwe
- First npIX workshop organized at Kathmandu College of Management on 25-29 August, 2002
- IX powered ‘ON’ on 30 August, 2002 with 3 ISP
- The IX didn't function for the first six months, as no circuits were available to the npIX
- Mercantile hosted the npIX switch on its system to enable immediate traffic exchange on 3rd April 2003
  - MOS, Wlink, Infocom, Vianet, E-net, CCSL connected in April 2003
- All ISPs using static routes, mostly 2500 routers.
Local IX Bandwidth progression

- 2005 January – 2Mbps
- 2005 July – 8Mbps
- 2006 – 15Mbps
- 2007 – 20Mbps
- 2008 – 25Mbps
- 2009 – 80Mbps
- ....
- 2017 – 2Gbps
- 2018 – 3Gbps (peaked to 32G during FIFA Worldcup)
- 2019 – 6Gbps (peaked to 8.4G during South Asian games)
- 2020 – ??
Last year 2019 January

South Asian Games spiked 8.4G

Starting 2020
Online technical meetings held regularly for future action plans:

- Upgrade switches
- Extension to additional datacenters.
- Extension POPs outside Kathmandu valley
- Transition of current IP addresses and change network to accommodate smooth onboarding of new members.
- Assisting npNOG for training activities.
- Regularizing for IPv6, security and Optical fiber and wireless trainings.
npIX status currently

- Non-profit company.
- 32 paying members and now discussion going on for port based premium charge.
- Support for technical training and research activities.
- Proposed trainings on IPv6 deployment and Network Security deployment.
- Fellowship provided to technical teams of member organizations.
- New switches to be installed and extension PoPs to be established.
- npIX is just getting younger.... 😊
Thank you