npIX@SANOG35

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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.
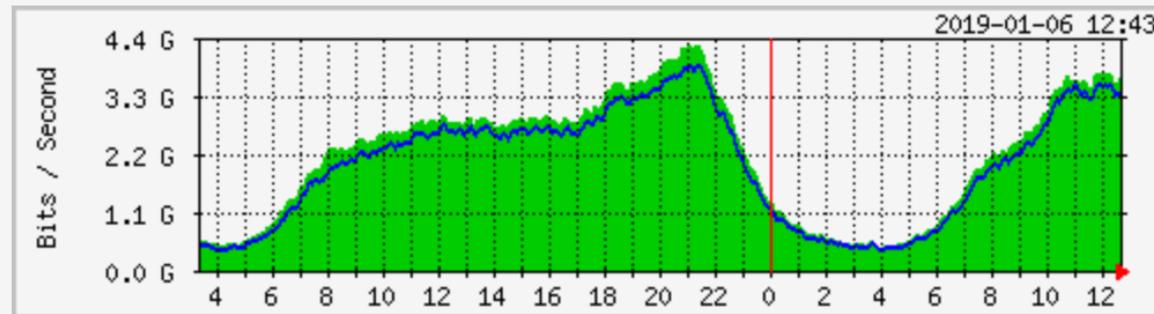
Local IX Bandwidth progression

- 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)
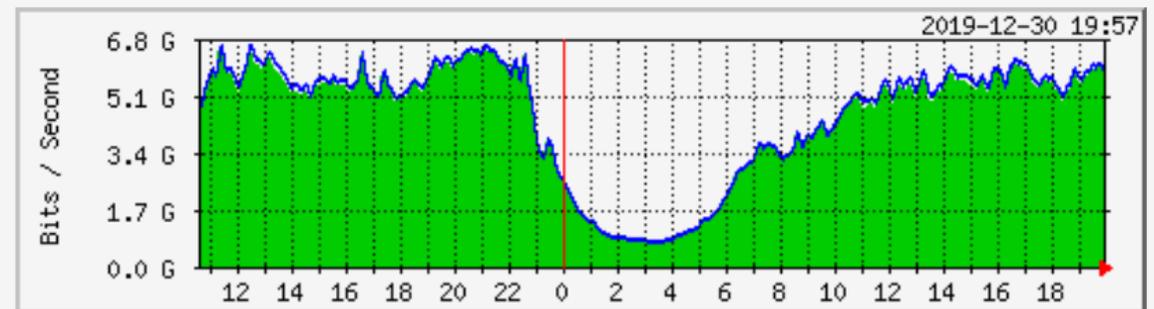
- 2020 – ??

Last year
2019 January

Starting
2020

South Asian Games spiked 8.4G

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.

- Supporting International events in Nepal like APAN (https://www.apan49.np/) and APrIGF (https://aprigf2020.org.np/) this year.

- npIX is just getting younger.... ☺

Thank you