NPIX Update

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SANOG 18

Internet Exchange Nepal

Is the legal registered name for NPIX now.
NPIX Is now registered as a non-profit company with Company Registrar Office.

NPIX

- Nepal Internet Exchange established in 2002 with 4 ISPs

  - One location, one switch, 128kbps aggregate b/w

- 2010: Two locations, two switches ~150 Mbps of aggregate b/w

- 2011 : Two Locations, Two switches, ~450Mbps of aggregate b/w

National Traffic Growth

Current International bandwidth coming to Nep
s around ~5 Gbps.

And is growing at the rate of 1Gbps every six
months.

The growth explosion happened after providers
moved from satellite to cross border fiber 3 yea
ago. And also after NT introduced ADSL services
or widespread coverage.

ISPs

Currently there are 44 ISPs in Nepal and most of them concentrated in capital city Kathmandu.

Nepal Telecom, the incumbent, is the biggest IS with big retail customer base.

SPs are using ADSL, outdoor ethernet cabling, WiFi, CATV and Fiber as the last mile technology
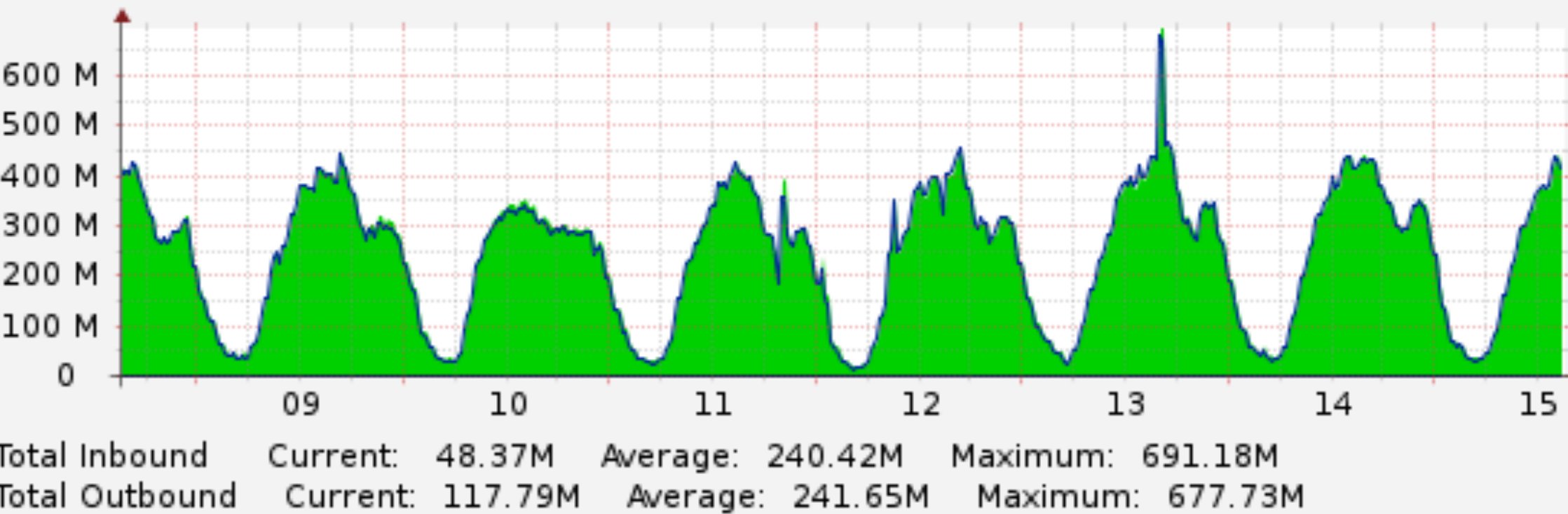
NPIX

Updates

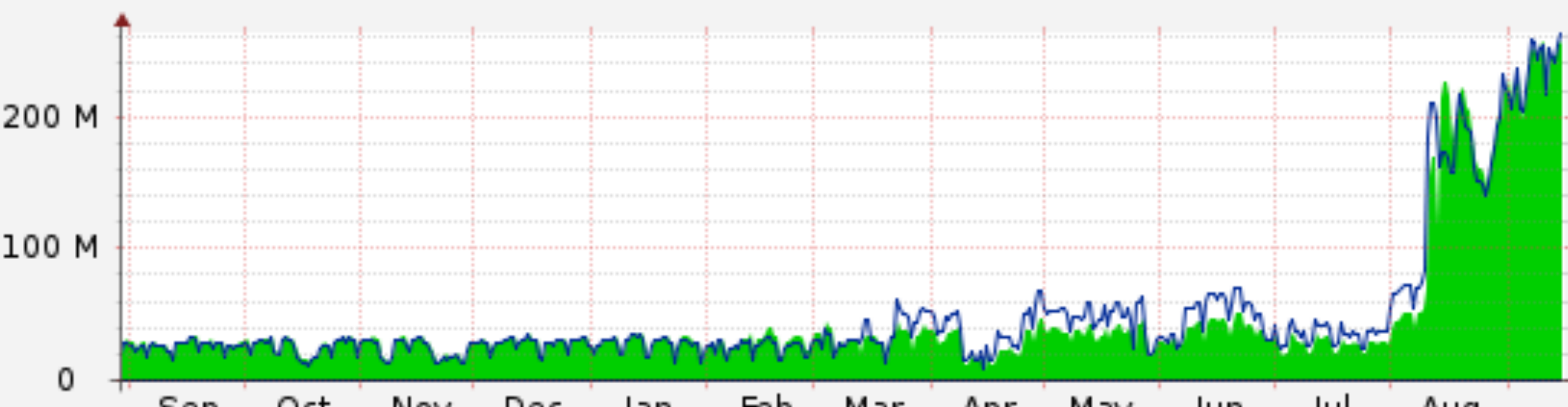–NTP Server with APNIC/RIPE Test Traffic measuremen
service.

- Use time.nren.net.np as NTP Server.

–New members

- Classic Tech, Netmax Technologies

| Total Inbound | Current: 48.37M | Average: 240.42M | Maximum: 691.18M |
| Total Outbound | Current: 117.79M | Average: 241.65M | Maximum: 677.73M |

NpIX Aggregate Traffic

Traffic Rise

Traffic rise attributed to Google Cache at Nepal Telecom being accessible over NPIX

Thanks to Google and Nepal Telecom

Thanks to NPIX ☺

Switch Upgrade

Current Main Switch is Extreme x250-24x (PTS)

—Cisco 3550-48 and 2950 for mgmt and copper ports

Upgrading to new switch : Extreme x460-24x

- 20 Optical GigE and 8 copper GigE ports
- More operators are preferring to bring optical and avoid using the media converter
- sFlow support

Thanks