

NIIG

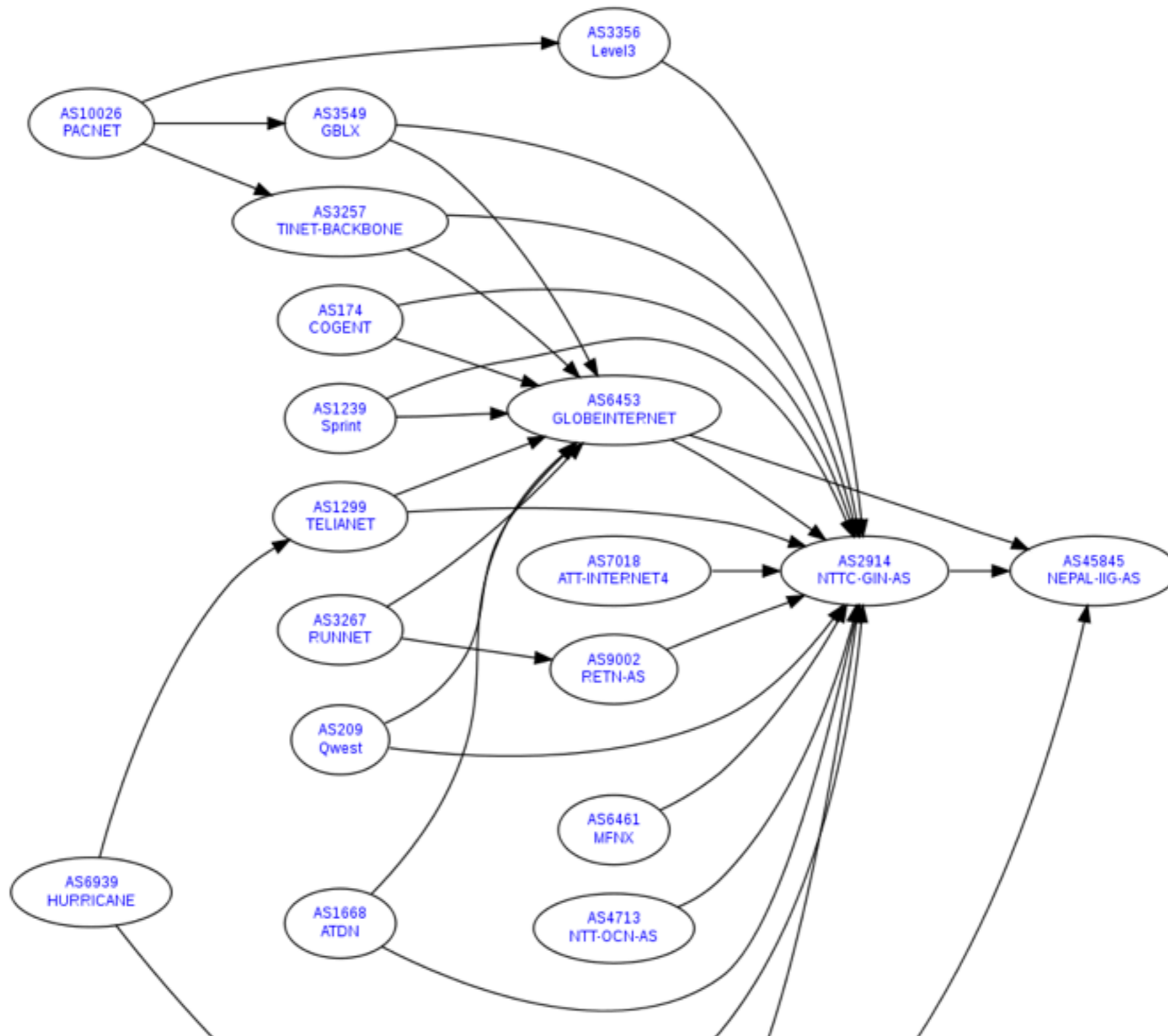
Overseas Peering

Experience

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NIIG

- Nepal International Internet Gateway
 - Wholesale IP Transit Provider
 - AS45845
 - Upstreams -
 - NTT (AS2914) in SG and London
 - TATA (AS6453) in Mumbai



NIIG - Contd.

- Peering @Equinix Singapore - 100Mbps Port
 - Google/Youtube
 - Facebook
 - Yahoo
 - Microsoft
 - Hurricane Electric
 - Telecom Malaysia
 - Bharti Airtel
 -

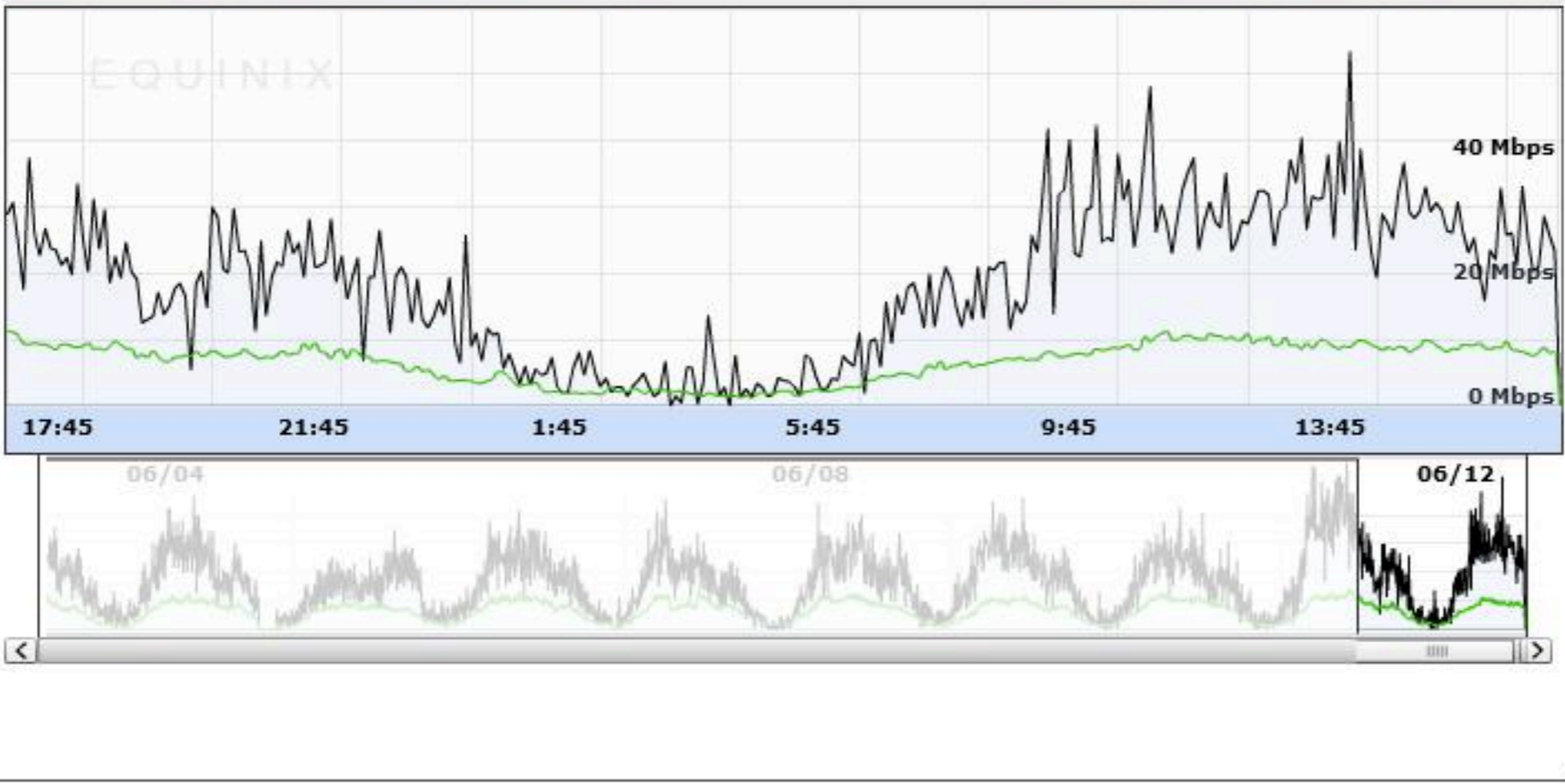
Peering

- Peering Policy
 - Open
 - Advertise all our customer prefixes
- as45845.peeringdb.com

Key Drivers

- Reduce Cost
- Improve Quality & Value
 - Faster - Better & Shorter Paths (lower latency)
 - Reliable - more paths, redundancy

Time Period: [day](#) [week](#) [1 month](#) [6 month](#) [year](#) Fri Jun 11 17:35 10 - Sat Jun 12 17:35 10

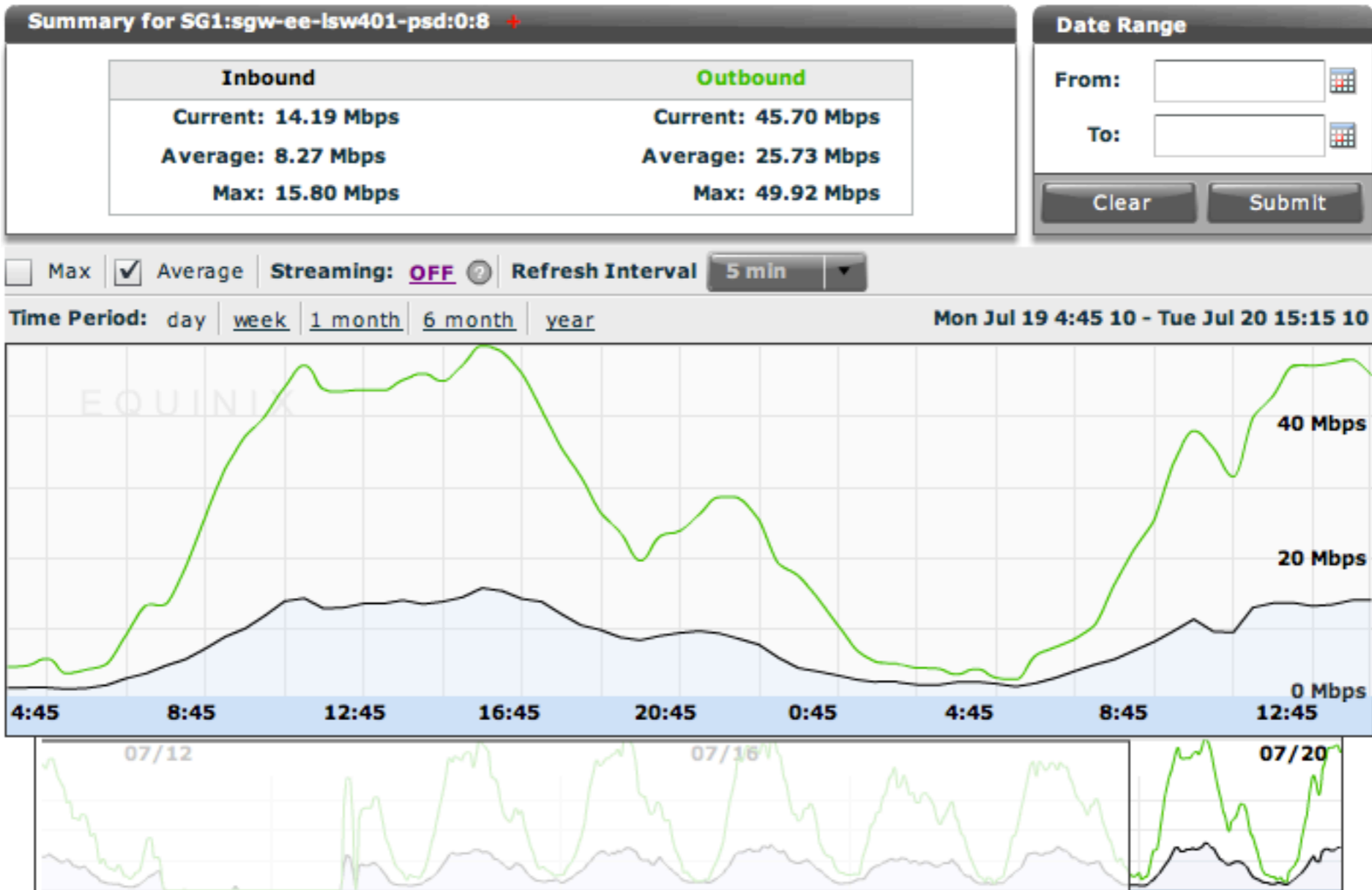


Peer Traffic Daily Usage for 2010-06-11

Note: Peer Traffic Usage only reports peers pushing 0.05 Mbps or greater

[Export to CSV](#)

Peer Port Name	Avg Inbound	Avg Outbound	Max Inbound	Max Outbound
BHARTIAIRTEL-SG1-GIGE1-599	0.80 Mbps	1.01 Mbps	5.09 Mbps	2.06 Mbps
CABWIRECOS-SG1-GIGE1-00	0.00 Mbps	0.14 Mbps	0.00 Mbps	0.52 Mbps
CHUNGHWA-SG1-GIGE1-00	0.08 Mbps	0.03 Mbps	0.99 Mbps	0.25 Mbps
ETISALAT-SG1-GIGE1-00	0.11 Mbps	0.05 Mbps	1.33 Mbps	0.19 Mbps
FACEBOOK-SG1-GIGE1-599	2.07 Mbps	1.66 Mbps	10.51 Mbps	4.51 Mbps
FT-SG1-GIGE1-599	0.09 Mbps	0.02 Mbps	0.50 Mbps	0.09 Mbps
GOOGLE-SG1-GIGE1-00	11.01 Mbps	1.40 Mbps	46.61 Mbps	4.59 Mbps
MICROSOFT-SG1-GIGE1-00	2.51 Mbps	0.14 Mbps	18.87 Mbps	0.44 Mbps
TM-SG1-GIGE1-599	3.82 Mbps	1.99 Mbps	15.48 Mbps	3.54 Mbps
YAHOO-SG1-GIGE1-599-0	0.34 Mbps	0.29 Mbps	2.04 Mbps	0.81 Mbps
eqx-sg1-gige1-00	0.19 Mbps	0.17 Mbps	0.95 Mbps	0.59 Mbps



Results & Future plans

- Peering Traffic
 - 25% of our total inbound traffic
 - 20% of our total outbound traffic
- Future Plans
 - More Peers
 - Paid Peering
 - LINX/AMSIX/HKIX

How did we do it?

- Build a circuit to the IX
- Setup BGP session with the Route-Server
- Start Sending and Receiving traffic from open peers
- Request to peers with others for bilateral peering and wait :-)

Why Equinix Singapore?

- Closest IX to Nepal
- Carrier Neutral
- Existing Relationship
- Flexible
- Many Peers
- Events - Peering Forums around Asia and

Free Beer :-)



Thank You

- Questions deepak@subisu.net.np