



# VANUATU INTERNET EXCHANGE (VIX)

# About VIX

- Local IXP established to interconnect all local network operators and content providers
- Currently housed at the Vanuatu Government Datacenter
- Uses Multi-lateral Peering Agreement (MLPA)
  - each member establishes a single peering with the route server

# VIX History

- Initial VIX meetings initiated by TRR in 2012 to establish VIX committee.
- VIX committee created the VIX Policy and MOU.
- December 2012 five network operators (Telsat, Digicel, Can'L, SPIM, Vanuatu Gov) signed the MOU to formally establish VIX.
- VIX Application to APNIC for IP block and ASN.
- Feb 2013 VIX Switch and route server (borrowed) installed
- 14<sup>th</sup> Feb 2013 first two operators (Telsat & Vanuatu Gov) established BGP peering with VIX Route server
- APNIC donated equipments for VIX (route server and switch) – thanks to Philip Smith for his assistance with this

## VIX History – cont.

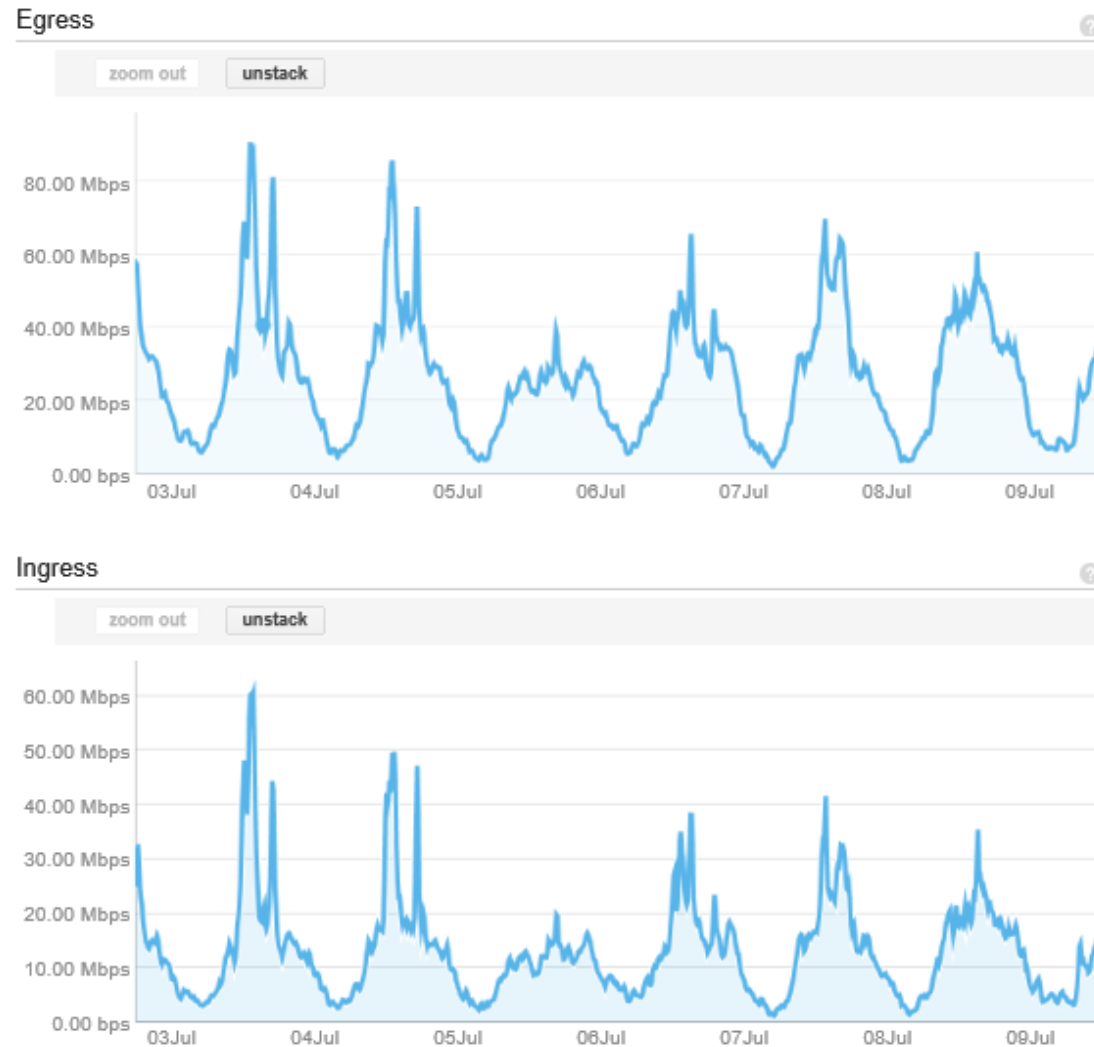
- Google cache installed in August 2013
- i-root server(from NETNOD) installed in November 2013
- May 2014 Telecom Vanuatu Ltd established peering to VIX - all local network operators are now connected to VIX

# Current VIX Status

- All local operators now connected to VIX
- Google cache installed – YouTube contents are now being served by local GGC node - *vanuatu-vli1* ([http://redirector.c.youtube.com/report\\_mapping](http://redirector.c.youtube.com/report_mapping))
- *i-root* server installed -
- *IPv6* enabled – two local operators have IPv6 peering with VIX

# Current Traffic stats for VIX

Google cache ingress and egress traffic stat



# VIX wish list

- Upgrade IXP switch to Gigabit switch – currently limited to FE connections to VIX
- Create VIX website
- Continue talking to Akamai and other content providers to turn up at VIX

# Acknowledgements

- Vanuatu Government (CIO)
- TRR
- APNIC
- Google
- Netnod
- VIX members
- Philip Smith