

## NTAC Peering and Routing Working Group

8/17/2021 Call Notes

1. Agenda Bash
  - a. Dave Farmer: has something if there is time.
2. Update on peering and I2PX
  - a. No significant changes; focus has been on preparing to migrate I2PX peers to NGI network. Could potentially start this week with Dallas and Chicago. Hot cuts, not shims. Will shut down peers, move cables, re-establish peers on NGI.
  - b. Farmer: has Oracle come up in LA yet? No, not yet, but Jeff will ping them.
3. Network Weather Update- Trends and coming events
  - a. Beginning of fall semester- will be keeping an eye on traffic since we have not seen a non-covid semester in some time. Beginning to see traffic ramp up now.
4. Internet2 Network update
  - a. NGI: Service migrations started last week. Have migrated several connectors. Have paused some migrations scheduled tonight for troubleshooting backbone interface flaps.
  - b. Steve Wallace: artifact of migrations in route reports: Lose visibility with respect to ROA status of prefixes. Bartig: Likely that BGP communities indicating valid state are not being set. Wallace: likely moving to live web pages as opposed to reports in longer term.
5. AOB?
  - a. Dave Farmer: put in NTAC slack a cloud testing tool, wanted to mention it here. Got Dave thinking about if we should be cold-potato routing to cloud people? Likely More important for west-coast folks as compared to east-coast or folks near cloud facilities. [Cold potato routing = best exit routing = keep on net as long as possible; opposite of hot-potato routing, which is to get it off of the net ASAP]
    - i. <http://gcping.com>
    - ii. <https://cloudpingtest.com>
  - b. Bill Owens: did anyone take up starlink's offer for a ground station? No one on the call had.
  - c. James Deaton: Seeing more RIPE Atlas probes at home and on network; might be a good time to revisit v6 vs v4 paths. Story of someone who had v6 connectivity at home but middle network had poor v6 peering. Should probably do some v6 path discovery. Discussion: very little traffic engineering occurring on v6 peers. Deaton: let's be proactive in r&e networks. Encourage experimenting with Atlas probes.
  - d. Steve Wallace: Interesting story: Was sitting at restaurant tethered to cell phone. Tried to SSO authenticate to google using I2 credentials. Broken. Works over VPN, but why is the problem occurring. Sniffed traffic. SSO server had AAAA record but server was not bound to v6 socket. Transparent web proxy tricks happy eyeballs into thinking everything is OK. Moral of story: need to monitor both IPv4 and IPv6 services.
6. Adjourn at 3:39p EST.