CNI Insider

Quarter 3, 2016

CNI IPv6 Readiness

The CNI network edge is IPv6 ready and capable of peering with IPv6 and IPv4 peers simultaneously. We are able to assign IPv6 blocks for your use or route existing v6 assignments with an LOA on your behalf. We currently are peered with two providers upstream to offer complete diversity. Please contact the NOC if you have any questions or would like to move forward with assignments and routing.

Ranger Ciena Monitoring Suite

We are proud to release Ranger, our suite of Ciena monitoring utilities. Ranger is capable of discovering your Ciena network, tracking all built circuits, notifying you of any alarms or outages, as well as performing fault simulation ahead of scheduled maintenance. The alarming component ties in with tools to track all circuit details, customer/provider details, as well as create multiple trouble tickets easily from just a single list of circuit IDs. Ranger can be deployed on your virtual machine platform, or CNI can provide the hardware. Talk to us today to set-up a demonstration.

DDOS Mitigation Proof-of-Concept

In mid-October we will be installing an in-line DDOS reporting and mitigation solution on one of our 10Gbps DIA links. This hardware-based solution will be run in "reporting only" mode as we gather statistics about our traffic and look at the types of attacks that could have been mitigated. Once this first stage passes our approval, we will then begin active mitigation and reporting. Pending the success of this proof-of-concept trial, we will protect all inbound DIA links with the chosen solution. Stay tuned for further details and information.

IPTV

CNI held its annual IPTV User Group meeting at the American Legion Hall in New Knoxville. We want to thank the New Knoxville Telephone for helping with this event, and we want to thank everyone that was able to attend on September 21, 2016.

During the meeting, CNI reported the IP Video subscriber base continues to grow. In addition to the video operations discussion, a lot of time was spent discussing the FCC's ruling on set-top boxes. Right now there is a lot of uncertainty, but maybe we will have a clearer vision after the November election.

Dan Carufel from Amino

And lastly, we also want to thank AminoTV for their presentation on the Fusion Home Monitor system, as well as sponsoring the lunch.

Join Us October 18-20, 2016 -- Fort Wayne, Indiana at the…

Great Lakes Technology Showcase

The showcase will bring together companies that produce and sell next generation technology with industry experts who drive business in an online world. The event will feature speakers who are thought leaders in the industry and a large exhibition with companies demonstrating the most innovative products in the broadband industry. In the fast-paced and ever-changing world of telecommunications technology, staying on top of the latest trends in the broadband industry is more important now than ever before. We'll be at booth #17!

Census Shows Home Broadband Improving, Despite Gaps

The United States Census Bureau recently released data from its 2015 American Community Survey (ACS) showing that home Internet access and broadband adoption are climbing in the United States, albeit slowly. Overall, the ACS data shows that 77% of Americans have some sort of broadband service at home. That includes 6% of Americans who subscribe only to mobile service at home.

iconectiv and NAPM Cleared to Move Forward with NPAC Transition

On July 26 of 2016, the FCC approved a five-year contract with Telcordia (DBA iconectiv) to provide (LNPA) Local Number Portability Administration. Iconectiv will serve as the next US LNPA provider for all seven of the U.S. NPAC regions. Neustar, which is the current Administrator, provides the back-end administration functionality and automation of the porting model. Part of the unanimous decision for the FCC was a huge reduction in cost from $460 Million to $142.9 Million per year. Prior to the FCC's decision, Neustar's (which is based out of Northern Virginia) argument of security implied that iconectiv's being a "Swedish-owned firm" might utilize some the same code that is currently in use with its foreign clients. This could allow attackers access to the system by exploiting the code to obtain intelligence on areas such as FBI wiretapping. Telcordia which morphed out of Bell Labs, will develop a new system source code that is domestically written to comply with federal guidelines that require U.S. citizens to work on the project code. Chris Drake, CTO at iconectiv confirmed, "we are not using any of the code used and deployed in foreign installations at all, zero." He claimed their new system would include state-of-the-art cybersecurity protections. He also added, "wiretap-related data will be held in a separate infrastructure — a shadow database — that's even more tightly controlled than the NPAC itself."

It is too early in the process to determine if there will be any interface enhancements and/or procedure changes in the system that may improve turn-a-round time and/or streamline our services to our clients. As of now, CNI will be operating as usual and will continue to provide porting services to all of the enrolled members before, during, and after the switchover has been completed. North American Portability Management mentioned that non-mechanized users (CNI's class) are not required to participate in any testing of iconectiv's system, which suggests the new system may be very user friendly. The transition from Neustar to iconectiv is projected to be completed by mid-2018.

Any questions or concerns concerning this switch can be directed to the SOA team at serviceb-soa@cniteam.com.