CNI Insider

CNI Quarterly Highlights

CNI-Independents Fiber Network Reinforces Network Security Against DDoS Attacks

CNI-Independents has deployed Corero SmartWall appliances between our Internet links and the routers that connect to them. This protects all infrastructure on the links south of the appliances from DDoS attacks. All inbound traffic from the Internet flows into the SmartWall Network Bypass appliance at 10 Gbps and flows to the SmartWall Network Threat Defense appliance for DDoS attack mitigation. Then, clean traffic flows back to the SmartWall Bypass appliance and passes through our equipment down to our customers. The Internet link is fully protected from DDoS attacks all the way through the network.

Corero uses proprietary algorithms to detect DDoS attacks in real time. Bad traffic is shunted away within the NTD appliance and good traffic is allowed to flow through to the customer. The attack detection, mitigation and scrubbing is all done locally on the NTD while reports of detected attacks are stored on-network within a separate management and analytics server.

A small sample of the types of attacks detected by the system are:
- Reflective amplified DDoS attacks
- Targeted application layer attacks
- Under the radar low and slow attacks
- Victim servers, ports, and services
- Malicious IP addresses and botnets

In the remote event that the SmartWall Network Threat Defense appliance fails, the SmartWall Bypass appliance would detect the lack of a heartbeat and subsequently close the bypass, maintaining our connection from the Internet. Even in the event of a power failure, the SmartWall Bypass appliance will maintain the network connection; another safeguard for ensuring high availability. This solution has no blocking elements and no single point of failure.

Key Benefits:

- **Attacks effectively blocked automatically**
- **Complete visibility into attack traffic**
- **Eliminated downtime due to attacks**

Amino's FUSION Home Monitor

A Cloud-Based Home Monitoring Solution to Drive Premium Broadband and Monetize IoT

A year has gone by since we first introduced the Amino Fusion™ Home Monitoring system, and sales are going well. The FusionHM is a simple, consumer self-install home monitoring solution that allows Telcos to extend their existing offerings to include home control services and to monetize the Internet of Things (IoT).

Features:

- Easy five-minute self-install
- Mobile alerts with live and recorded playback
- Live HD video streaming
- Local DVR and cloud storage options
- Motion detection and night vision
- Zoom, pan and tilt
- User-friendly, cloud-based apps for subscriber management

Benefits:

- Extend your brand with customized UI branding option
- Increase ARPU and deepen customer relationship
- Reduce churn and increase retention with multi-service bundles

To find out more, call 419-739-3160, or email sales@cniteam.com.

Industry Events

Tech Con: March 22, 2017 in Lima, OH

New FCC chairman: Net neutrality rules were a 'mistake'

The U.S. Federal Communications Commission's net neutrality rules, passed two years ago, were a "mistake" that caused uncertainty for the broadband industry, the agency's new chairman said.

The net neutrality rules, along with the FCC's decision to reclassify broadband as a regulated common carrier, "deviated" from the U.S. government's longstanding light-touch regulatory approach toward the internet, FCC Chairman Ajit Pai said last week at the Mobile World Congress in Barcelona.

Two years after the agency passed its net neutrality rules, "it has become evident that the FCC made a mistake," said Pai, a Republican. "Our new approach injected tremendous uncertainty into the broadband market. And uncertainty is the enemy of growth."

Pai suggested that broadband investment is down since the FCC passed the regulations, although some net neutrality advocates disagreed. Broadband investment was up by nearly 9 percent in the past two years, compared to the two years before the rules passed, according to digital rights group, Free Press. (article)

Thank You!

Many thanks go out to all who completed our customer survey. Your feedback is invaluable to us and helps us determine areas of needed improvement to better serve you.

CNI welcomes your comments, questions or suggestions.
Please send any feedback to:
Kathy Reinsel
Brand Manager
kreinsel@cniteam.com

Thank you for your continued support of CNI.