

NIKSUN

Prepping Up A Secured Cyber Space For The Future



Dr. Parag Pruthi

High profile network attacks such as WikiLeaks, Operation Aurora (Google) and Night Dragon have shaken the cyber space, challenging the operations of the network security landscape. With the increasing network complexities and exploding volumes of multimedia traffic, the wrath of sophisticated cyber attacks can hardly be shielded by mere firewall installations. NIKSUN, a privately held multi-national corporation engages in forensics-based cyber security and network monitoring solutions to secure critical infrastructure, optimize service delivery, and reduce compliance risks. Headquartered in Princeton, New Jersey, NIKSUN was established in 1997 by Dr. Parag Pruthi, widely known as the Father of Packet Capture.

Grasping the rate at which technological industries are traversing from gigabytes to terabytes and now to petabytes in terms of data volume, Pruthi has strived to strategically position the company to combat effectively against

clever cyber criminals. “With more than 1,000 enterprise customers in over 30 geographical locations today, NIKSUN is the only network monitoring solution provider for organizations with the power to instantly “know the unknown.” Its solutions can simultaneously capture, inspect, mine, correlate, and store data traversing the network at multi-gigabit rates,” says Pruthi.

“NIKSUN is the only network monitoring and network security solution provider for organizations with the power to instantly know the Unknown,”

The company has gone ahead and built a single portal that is capable of providing 93 percent analysis and real-time contextual visibility across networks. During an infrastructural security breach or a performance issue, NIKSUN tries to solve the challenge of data reconstruction and analytics with two basic approaches; firstly by leveraging NIKSUN’s Knowledge Warehouse (NKW), a patented technology used to generate multi-timescale linked and aggregated information from fine grained data to enable a single source of truth. Secondly, by decoupling the data from the analytics using service oriented architecture.

Through leveraging techniques and methodologies from various fields such

as chaos theory, fractal analytics, data warehousing and data mining, NIKSUN brings about a revolution across the network security industry through its flagship products. One in particular is the Net Detector which has the ability to detect and reconstruct security breaches by storing, evaluating, and performing network intelligence on all packets moving in or out of the network. Another product is the Net VCR which monitors, troubleshoots, and identifies network performance problems across all types of networks.

For instance, in 2005, the United States Secret Service (USSS) was combating an international army of cyber criminals, known for their hacking stint on bank database software and stealing close to 1.7 million credit card numbers. Millions were lost and the potential threat was estimated to amount close to billions. With the help of Pruthi and his team of engineers, the USSS was able to take down this international organization spread of over six different countries and thus saved billions of dollars.

Refusing to perish along with ashes of a massive firebreak out tragedy in 2008, where 250 servers along with their data were destroyed, NIKSUN rose through the hurdle and emerged as a stronger entity by building a new cutting edge infrastructure from scratch. From there on the company has made a habit of winning awards and recently in 2012, NIKSUN got accolades for its excellence in best practices from Frost and Sullivan. Moving forward, the company continues to redefine the benchmark for all things security. With a new line of products just around the corner, NIKSUN is poised to crack the unknown across the ever increasing cyber space and continues to be the world leader in network security solutions. **CR**