Rahi Systems

REMOTE DEVICE ACCESS FOR IT EQUIPMENT MANUFACTURER

CASE STUDY SUMMARY

- Through its vast expertise in data center infrastructure solutions, Rahi was able to recommend a console server solution to precisely meet the customer's requirements.
- The ZPE NodeGrid Serial Console delivers industry-leading performance and granular security and access control capabilities.
- Rahi's ongoing logistical support aids with problem resolution and ongoing implementation of the solution.

The design and manufacture of IT equipment is a complicated process that typically involves an ecosystem of suppliers and partners. Mergers and acquisitions within the IT industry have added to the complexity. As a result, engineering and testing environments may extend across multiple facilities and beyond organizational boundaries, creating security risks and access control challenges.

A leading manufacturer of high-end network devices, which had been acquired by a major IT vendor, had been using a serial console server that could not meet the high traffic demands of its automated testing processes. The company began to look for a solution that offered better performance as well as more granular security and access control.

The manufacturer had selected a new product but offered Rahi Systems an opportunity to propose an alternative solution. Through its partnership with ZPE Systems, Rahi was able to deliver a superior console server with the highest performance and most advanced features available in the marketplace.

SOLUTION

ZPE's NodeGrid Serial Console (NSC) provides secure remote access to the console ports of network devices with lightning-fast response times. It features a dual- or quad-core x86 Intel CPU, 4GB or 8GB of RAM and 32GB to more than 64FB of SSD memory, with a modern, 64-bit Linux operating system and state-of-the-art software. It supports more than 1,000 concurrent sessions, 115,200bps port speeds and 20 users per port. All of this functionality is packed into a 1U device that's available in 16-, 32-, 48- and 96-port options.

Rahi Systems provided a demo of NSC, and the company immediately saw its value. After setting up a proof of concept and evaluating the product for a week, the company decided to adopt NSC as its standard console server. Rahi helped the company move rapidly to decommission all existing products and implement NSC across all of its lab environments.

RESULTS

In addition to delivering the performance needed to support the company's automated testing processes, the NSC delivers a number of unique benefits. For example, it enables the company to limit the access of third-party contractors and engineers to certain equipment based upon their security clearances, rather than giving them remote access to all of the equipment in a particular rack.

ZPE's NodeGrid software further enforces security with System Configuration Checksum, a patented "fingerprint" methodology for detecting unauthorized configuration changes. ZPE Systems provides patches and security updates for both the Linux operating system and NodeGrid applications, reducing both security risks and maintenance requirements.

Rahi Systems was highly responsive, meeting the company's requirement for rapid adoption and rollout of the new product. ZPE Systems also provided high levels of customer service, assisting with configurations and going onsite to resolve any issues with the implementation. The deployment has been so successful that the company is advocating the solution both internally and among its partners.

Rahi Systems