MICROLAND
Connect with the best



CASE STUDY

Microland successfully managed a complex NextGen Software Defined Everything (SDx) infrastructure for the world's largest professional networking organization

Overview

The client is a professional networking platform designed to connect professionals from various industries, enabling them to build and expand their professional networks, showcase their skills and experiences, and discover new career opportunities. It has become an essential tool for professionals looking to enhance their professional presence, stay updated with industry trends, and establish valuable connections with potential employers, clients, and partners. Microland's innovative NextGen Software Defined Everything (SDx) solution enabled the client to modernize its infrastructure, automate processes, and achieve exceptional performance while minimizing downtime and enhancing overall network efficiency.

Business Opportunity

The client's exponential growth demanded a scalable, agile, and efficient network infrastructure. With over 300,000 servers, 16,000 switches, 60 PB of data, and four data centers, the complexity was immense. Moreover, managing 100+ software-defined storage boxes and 17,000+ SDN devices posed significant challenges. Frequent incidents and manual processes hindered performance and responsiveness, prompting the client to seek a comprehensive network solution.

Microland Solution

Infrastructure Modernization

Microland implemented a cutting-edge Software Defined Everything (SDx) approach, leading to a fully Software-Defined Data Center (SDDC). This transformation brought unparalleled scalability and cost efficiency. By replacing legacy EMC storage boxes with SD-NAS (GPFS) and SD-SAN (Excelero) storage, we achieved enhanced flexibility and significant cost savings. Migrating from Cisco SDN to OpenStack SDN further streamlined the SDDC network, resulting in increased adaptability and improved performance. The introduction of an immutable infrastructure ensured enhanced consistency, reliability, and predictive deployment.

Automation, Analytics, and Orchestration

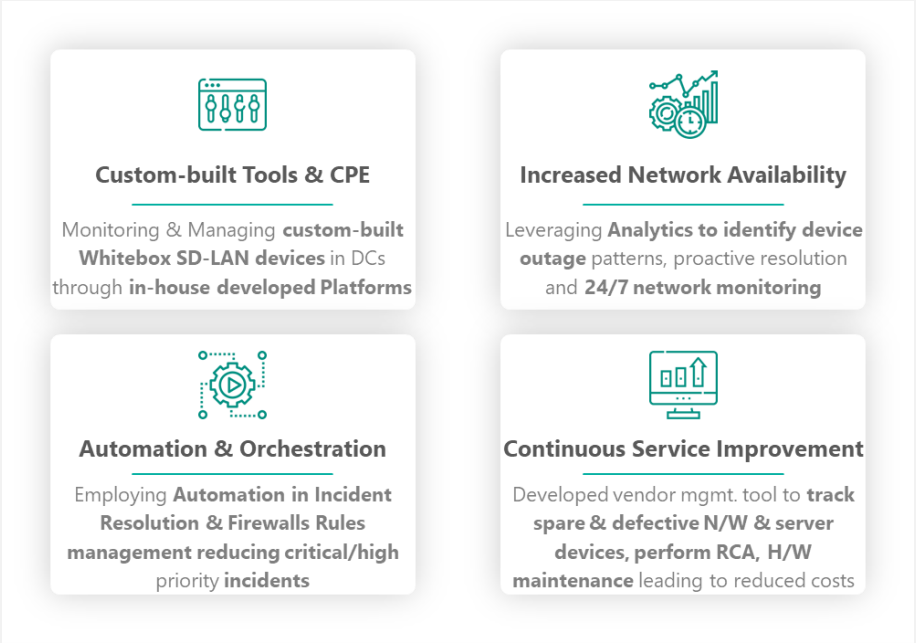
priority incidents and accelerating response times. We helped the client to leverage advanced analytics to identify device outage patterns, enabling proactive issue resolution and 24/7 network monitoring. The adoption of Kickstart for automated image management led to faster server provisioning and more efficient configuration management, establishing a robust and stable infrastructure. Microland's technology-led, people-assisted approach enabled seamless management of the client's extensive server infrastructure at an impressive 5000:1 ratio.

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Continuous Service Improvement and Enhanced Run Services

The client experienced seamless execution of business-critical applications with VM deployment featuring pre-installed Puppet software. The implementation of CFEngine automated software deployment and configuration management significantly reduced manual efforts and ensured consistent operations. Real-time monitoring enhanced infrastructure performance and effectively mitigated failures, contributing to overall network efficiency. Through smooth storage upgrades and data migration with minimal business impact, Microland ensured uninterrupted operations for the client's critical services.



Microland Solution

Business Value Delivered

This This successful collaboration with Microland yielded remarkable results for the client:

- Achieved 100% uptime, ensuring smooth business operations.
- 50% reduction in high/critical incidents through automation and self-healing capabilities.
- Realized an impressive 91% reimage automation success rate, streamlining server provisioning.
- Gained enhanced scalability, agility, and cost efficiency, setting the stage for continued growth.

Microland is a pioneering IT Infrastructure services and consulting company headquartered in Bengaluru, India, with a proven track record of delivering tangible business outcomes for 35 years. Today, as enterprises recognize that networks underpin the functionality and efficiency of modern digital systems and support innovation, we provide next-generation technologies such as AI, automated operations, and platform-driven solutions – which drive operational excellence, agility, and productivity for organizations worldwide. Our team of over 4,600 experts delivers services in over 100 countries across Asia, Australia, Europe, the Middle East, and North America, offering cutting-edge solutions in networks, cloud, data centers, cybersecurity, services management, applications, and automation. Recognized by leading industry analysts for our innovative strategies, Microland is committed to strong governance, environmental sustainability, and fostering an inclusive workplace where diverse talent thrives. When businesses work with Microland, they connect with the best talent, technologies, and solutions to create unparalleled value. For more information, visit www.microland.com

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