



U.S.-based Global Manufacturer Seamlessly Migrates to Next-Generation SDN Data Centers with NETSCOUT

OVERVIEW

Business Challenge

- Need to meet global operational needs while reducing data center costs
- Transition to new data centers within an extremely tight timeline with minimal downtime
- Required ability to triage any problems rapidly

NETSCOUT Solution

- nGeniusONE® Service Assurance platform
- InfiniStream® Appliances
- nGenius® Packet Flow Switches

Business Value

- Service assurance in fewer data centers saves millions per month
- Improved application deployment time, allowing company to be more competitive
- Company is better prepared for the future through greater automation and introduction of Cloud-based services

Delivering Visibility for Service Assurance and Security

Customer Profile

This U.S.-based global manufacturer supplies products used by millions of consumers on every continent. With tens of thousands of employees, manufacturing facilities around the world and a passion for leveraging technology innovations in every corner of their operations, the company is a global icon.

Business Challenge

To meet global operational needs, this major manufacturer recognized the importance of being a world-class technology leader in their industry. However, excessive operating expenses associated with outdated data centers was costing millions a month. The company's management determined it was imperative to re-architect its worldwide manufacturing operations in order to design, build, sell and service its products anywhere in the world. To support the company's global initiative, IT needed to consolidate its data centers, implement software defined networking solution (SDN), automate services, and deploy applications faster and introduce a cloud strategy – all while reducing operating expenses (OPEX).

One of the biggest challenges IT faced was transitioning from four legacy to two new data centers within an extremely tight timeline. Any delays would negatively affect the ability to realize projected cost savings of a couple million dollars per month. In addition, the consolidated data center footprint would require an expedited ability to triage any problems. In the past, problems that might impact a single data center only represented a 25% loss to the entire infrastructure, but now a single data center problem would affect 50% of the company's technology landscape. This could result in production services delays and the loss of millions of dollars.

IT needed the ability to monitor, validate, adjust, and deliver services that would support the company's manufacturing and revenue goals, while reducing costs.

NETSCOUT Solution

To address its data center migration and production services challenges, the IT team turned to NETSCOUT. The nGeniusONE Service Assurance platform with Adaptive Service Intelligence™ (ASI) technology was combined with InfiniStream appliances strategically deployed across the service delivery path for monitoring and key analysis. They also deployed nGenius packet flow switches architected to provide visibility to the InfiniStream appliances simultaneously with their other security tools.

The NETSCOUT solution was used to test and validate the pre-production application centric infrastructure (ACI) environment before commencing migration to the company's new production data centers. The solution delivered real-time monitoring of the new connectivity points and Internet connections for the manufacturing production application, which is vital to the company's operations around the world. The information is helping protect the performance of the production application service and the IT is implementing the service in the new data centers with greater confidence.

Armed with the NETSCOUT solution, IT is also better able to support critical security initiatives and more effectively execute network and application triage in order to provide the company's manufacturing tools with vital data feeds.

Business Value

NETSCOUT's end-to-end approach is helping the company to successfully achieve its goal to consolidate their data center footprint from four to two global centers and implement next-generation technologies with SDN solutions, which is reducing OPEX and saving millions of dollars per month. Further, by testing and validating its new data center environments with the nGeniusONE solution in pre-production, the company was able to avoid go-live issues in its production environment, ensuring a smoother, more cost-effective migration.

Looking forward, by supporting the new ACI environment, NETSCOUT is helping the company improve its application deployment time – which typically took months in the past – and with nGeniusONE is able to reduce it to the industry standard of days. This allows the company to be more competitive.

The nGeniusONE Service Assurance platform with ASI technology delivers packet flow visibility for service assurance as well as security initiatives. This industry-leading technology delivers the ability to monitor, validate, triage, adjust, and achieve revenue impacting services that aid in the growth of the company. As a result, the company is now better prepared for the future through faster application roll-outs, greater automation, the introduction of Cloud-based services, and reduced exposure to potential service interruptions.



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