

From Chaos to Control: Implementing a Global Network Operations Center Using SolarWinds



Background

The client—a publicly traded, global corporation with \$4 billion in annual sales, 17,500+ employees, operations in 50+ countries and 300+ locations—creates extraordinary flow control solutions to solve complex fluid motion and control challenges for its customers.

Client Pain Points

The client was suffering from an unnecessarily complex network architecture, which was negatively impacting its overall operations. With its IT footprint spread out across 250+ locations and different data centers, infrastructure monitoring and maintenance has become a headache, leading to frustration and lost man-hours due to inefficiency.

Nsight Solution

Nsight was tasked to bring order by devising a strategy for managing the client's spread out IT infrastructure under a single roof. Using a single-point solution called SolarWinds, Nsight enabled the client to obtain 360-degree visibility and monitor all of its network devices, servers, storage, and applications under one roof — even though they were hosted in different regions — so it could maximize its infrastructure resources.

Nsight implemented this single-point tool strategy by:






- Collecting and completing all global asset information that needed to be monitored
- Segregating all nodes into node categories (Network, Server, Application, Storage & Backup)
- Segregating all nodes by region, location, and site, and tagging assets with standard asset codes to help easily identify each node category
- Planning and agreeing on phase-wise node configuration for monitoring
- Configuring infrastructure monitoring with high availability
- Configuring the database with clustering methodology

As part of Nsight's solution, the client was able to obtain the following modules that enabled it to keep close tabs on its IT infrastructure operations:

- Network Performance Monitor
- Network Configuration Management
- Software Application Monitor
- Network Traffic Analyzer
- Backup Monitor
- IP Subnet Monitor
- Network Topology Mapper

Business Benefits

Thanks to Nsight's timely intervention, the client was able to rein in its chaotic IT infrastructure. By leveraging the capabilities of the SolarWinds solution, the client is now able to:

-  Analyze its network architecture and implement data traffic optimization plans
-  Monitor and maintain its IT infrastructure 24/7
-  Enable proactive monitoring with issue identification and notification for troubleshooting and resolution
-  Maintain scheduled backups for all L2 network devices using a single point of contact
-  Identify frequently impacted network nodes/devices