

Transforming IT with Autonomous Networking

Network design, deployment, and maintenance have traditionally relied on manual processes and disparate tools—leading to time-consuming upkeep, inconsistent performance, and security challenges. These inefficiencies heighten the risk of downtime, disrupting operations when reliability is critical.

Nile transforms this model with the industry's only autonomous wired and wireless network, delivered as-a-Service that guarantees wireless coverage, network capacity, and system availability—eliminating guesswork and ensuring dependable, high-performance connectivity.

Robust Design and Automated Deployment

Nile eliminates guesswork with a high-density Wi-Fi design backed by a high-capacity switching backbone. The combination of AI tools, including Nile Nav and Nile Control Center for IT admins:

- Ensures a deterministic network design with step-by-step site discovery and Wi-Fi surveys.
- Automates full-service network activation from order to provisioning with automated validation testing and verification
- Provides native Zero Trust security controls
- Simplifies the integration with third-party tools, including ServiceNow, Splunk, Snowflake, and Okta
- Allows for the simple addition of Nile DHCP, RADIUS, SSE integration, and Guest Access Services, as well as third-party options.

This rigorous and highly automated approach delivers comprehensive coverage and enhanced reliability in a fraction of the time of traditional methods.

"I wish all my vendors were like Nile: simple and transparent. From our initial meeting to network design to installation of the Nile Access Service, everything happened in just a few weeks."

MARCUS CHAN
IT Operations Manager, Clari

Continuous Monitoring and Optimization

With the Nile Control Center, IT admins gain full real-time visibility into user and device, infrastructure, and application experience across the network, including guaranteed service levels for coverage, capacity, and availability. Capabilities include:

- Proactively detecting performance deviations from baseline via Nile sensors

- Automatically fine-tuning systems with AI anomaly detection and autonomous remediation
- Providing dynamic insights to pinpoint issues and eliminate alert fatigue
- Enabling granular and historical performance data to ensure visibility and accountability across the Nile network.

The MyNile portal gives end users a personalized view of network and app performance, along with troubleshooting tools to reduce IT support tickets.

Automated System Care and Innovation

The [Nile Services Cloud \(NSC\)](#) enables autonomous networking through capabilities like:

- **Automated design and provisioning at scale** – Rapidly deploy and expand networks without manual configuration
- **Self-optimizing infrastructure** – Continuously improves performance with hitless software upgrades and automated security patching
- **Microservices-based architecture** – Accelerates the delivery of new software capabilities and improvements across the service
- **Proactive issue detection and remediation** – Identifies and addresses issues before they impact users, eliminating manual investigation

By shifting the burden of network operations to a fully autonomous platform, Nile helps organizations unlock higher reliability, stronger performance, and greater efficiency—without the complexity. It's a smarter path to a network that simply runs itself.

Find out how Nile brings autonomy to every layer of network engineering, reshaping how teams design, operate, and scale.

<https://nilesecure.com/solutions/nile-solution-architecture>