

An Enterprise-Grade Network with Cost Savings

Translating Network Reliability into Lower TCO & Rapid ROI

With traditional network architecture still utilizing **30-year-old** principles, Nile is revolutionizing the way we think about wired and wireless LANs and security. Constantly firefighting downtime, slow connections, and unresolved issues disrupts workflows, frustrates users, and ultimately leads to financial losses.

Nile delivers a next-generation wired and wireless access network that not only promises guaranteed performance **across** coverage, capacity, and availability, but also delivers benefits that resonate with businesses across industries. Beyond mere enterprise-grade connectivity, Nile ensures that your network is secure and operates seamlessly, eliminating crippling threats and outages that hinder business productivity and **strain** IT teams and budgets.

Traditional Network Operational Costs

Building an enterprise-grade network out of disparate infrastructure quickly turns routine management into an unsustainable bottleneck. Network and security teams are forced to jump between fragmented management interfaces, stitch together mismatched hardware and software versions, and deal with bolted-on security solutions.

These environments demand endless manual adjustments and custom projects, where the time and effort are often not fully accounted for. Instead of focusing on strategic initiatives, highly skilled personnel spend their days hunting down configuration changes, troubleshooting policy conflicts, and manually tuning things based on the "issue of the day."

The Nile Difference

The demand for network infrastructure that aligns with core network and security requirements is critical. While performance and availability are important, built-in Zero Trust security is essential based on today's evolving threat landscape.

According to Gartner's IT Key Metrics Data research, enterprise I&O teams spend between 70% and 80% of their budgets on 'Run' activities. Maintaining existing infrastructure and managing security leaves as little as 20% for network performance optimization and business expansion.

Nile's secure Network-as-a-Service (NaaS) is designed with high availability and redundancy in mind. A radically simplified and deterministic network design eliminates the need to manually maintain a golden configuration file across the infrastructure, since the network automatically maintains its 'best state' across all sites.

Security is also a key consideration given rapid adoption of AI by organizations, as well as by those that hope to benefit from poor security practices. Nile's built-in access control and microsegmentation security measures are designed to align with stringent security requirements often put forward by cybersecurity teams, cyber insurance compliance policies, and/or network security audits.

In addition to a modern network and security architecture, Nile AI and Autonomous Operations play a key role in the service quality experienced by Nile customers. Closed loop automation eliminates traditional manual lifecycle management, radically reducing operational burden for IT.

Translating Reliability to Real-World Outcomes

1 Eliminating Network Tickets

Nile's unique technology is designed to proactively use virtual and physical sensors to detect service quality issues across your network on a continuous basis. This proactive testing identifies wired and wireless performance and connectivity issues and kicks off automated workflows, hence is able to prevent up to 99% of network-related IT tickets.



"During our freshman move-in, we received no trouble tickets. This is a drastic difference compared to last year with our previous technology. In fact, this has never happened before."

— Higher Education



"Right from the start, Nile sensors have constantly been monitoring our network. They see problems before others do, and the network is constantly self-tuning to prevent problem areas."

— High Tech Enterprise

2 Rapid Issue Resolution

Nile doesn't stop at preventing downtime and performance bottlenecks; we also excel at rapidly resolving problems that arise outside of our control - up to 25 times faster than traditional network infrastructures. Nile AI and automated systems continuously identify root causes, ensuring that you're never left guessing.



"It's always been a big mystery when a particular application is inaccessible. We went from spending 40 hours on troubleshooting to 1.5 hours."

— Higher Education



"Within 15 minutes, Nile production engineering team was aware of simulated link failures, rogue APs, network elements going down during our hands-on testing during our evaluation; no support tickets required."

— Manufacturing

3 Zero Touch Software Maintenance

Say goodbye to manual software maintenance and endless updates, with unpredictable maintenance windows and manual post-upgrade performance analysis. Nile maintains a single production release of its microservices-based cloud software across all its customer deployments, orchestrating rollouts with pre- and post-validation of service quality, ensuring that your network remains up-to-date without the headaches.



"Knowing Nile is managing updates and security patches and testing them before they're pushed out gives me peace of mind. We have our weekends back."

— General Enterprise

4 Continuous Security Compliance

Cybersecurity is a top requirement for any business today. Nile provides Zero Trust access controls and isolation for each connected device, radically reducing the attack surface for potential incidents and relevant downtime. This enables organizations to quickly meet and often exceed internal and cyber insurance requirements.



"Our legacy machines run Windows XP, which pose a cybersecurity risk and require \$55K to be replaced. With Nile, we locked down and isolated these devices, preserving their lifespan."

— Healthcare

5 Built-In System Care and Upkeep

Maintaining the lifecycle of separate wired, wireless, and WAN infrastructure, as well as NAC, DHCP and other appliances, causes teams to lose months of time. And then there's the replacement and deployment of everything new. Nile ensures that your network is always in top shape, as we're providing customers an enterprise-grade network, delivered as-a-service. Everything from hardware to support is built-in.



"Our old network was no longer a solid foundation. The only way I was going to address that was with Nile so that we were no longer letting things slip through the cracks."

— Distribution / Logistics

Lower TCO & Strong ROI

In this example, we've highlighted a 5-year subscription with the following parameters:

- **Workplace Footprint:** 100,000 square feet (sqft) of workplace with one Wi-Fi AP for every 2,000 sqft
- **Infrastructure Allocation:** 25% of the total number of access switch ports reserved for IoT
- **User & Device Density:** Each of the 500 employees (200 sqft / employee) carry two Wi-Fi devices
- **Ticket Reduction:** 4 network-related IT tickets per device per year are eliminated with Nile
- **Productivity Recovery:** Two hours of lost productivity per incident, valued at \$70, recovered with Nile

Based on these parameters, Nile translates to a >60% reduction in total cost of ownership (TCO) savings and <3 year return on investment (ROI).

Architecture & Capability Breakdown by Role

The key to the Nile as-a-Service delivery model is that we've looked at the traditional network and security model and eliminated many of the gaps, regardless of your role within an organization. For the executive team it means better productivity, cost savings and assurances. For the technical team, it means breathing room and enterprise-grade network and security that makes your life easier.

Pillar	Core Focus	Key Capabilities & Outcomes
Network Engineering	Guaranteed Network Uptime & Performance	• Strong coverage everywhere • Proactive sensor and agentic testing • Self-evaluating quality insights • Microservices agility & hitless upgrades
Network Security	Embedded Campus Zero Trust Architecture	• Built-in access controls (identity-based roles, profiling, support for certificates SSO, multi-factor auth and more) • Hardened hardware & TPMs / MACSec encryption • L3 policy-based isolation - eliminates VLANs & static ACLs • Certifications: ISO 27001, SOC2 Type II, CSA Level 1
Network Operations	Deterministic Design & AI Automation	• Eliminates 80% of traditional / manual config tasks • Built-in model & data-centric AI closed-loop automation • Mobile app physical install workflows • Proactive support & shared responsibilities • Pre/post-validation for updates

Conclusion

Nile's approach to operating a network will change the way you think about how your existing network delivers the reliability and performance you expect.

Our unique capabilities deliver tangible TCO and ROI benefits, from reducing tickets to swift issue resolution and cost savings on cyber insurance. With Nile, your network pays for itself during the subscription period, making it a smart and strategic investment. We're the only vendor that shares the responsibility for your success, ensuring uninterrupted operations and peace of mind.

About Nile

Nile is a pioneer and leader in secure networking-as-a-service (NaaS). With AI-powered service delivery and autonomous operations, Nile solutions cut through complexity and cost versus legacy networking solutions, while delivering radical operational simplicity and user experiences.

Ready to Get Started?

[Request a Demo](#)