

Nile Digital Twin

AI-powered Insights and Orchestration

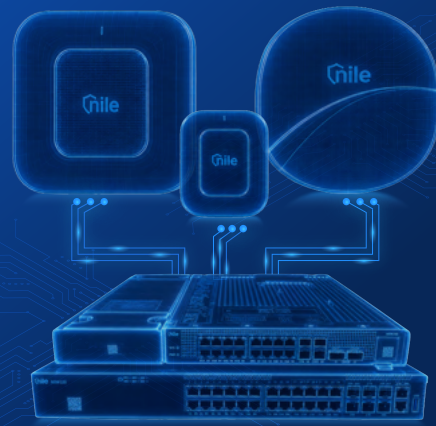
Beyond AIOps: Welcome to Autonomous Operations

The industry's only continuously updated AI replica of your live production network that tracks **actual users' experience** and shifts operations from firefighting to **proactive** resolution.

Physical Nile Hardware



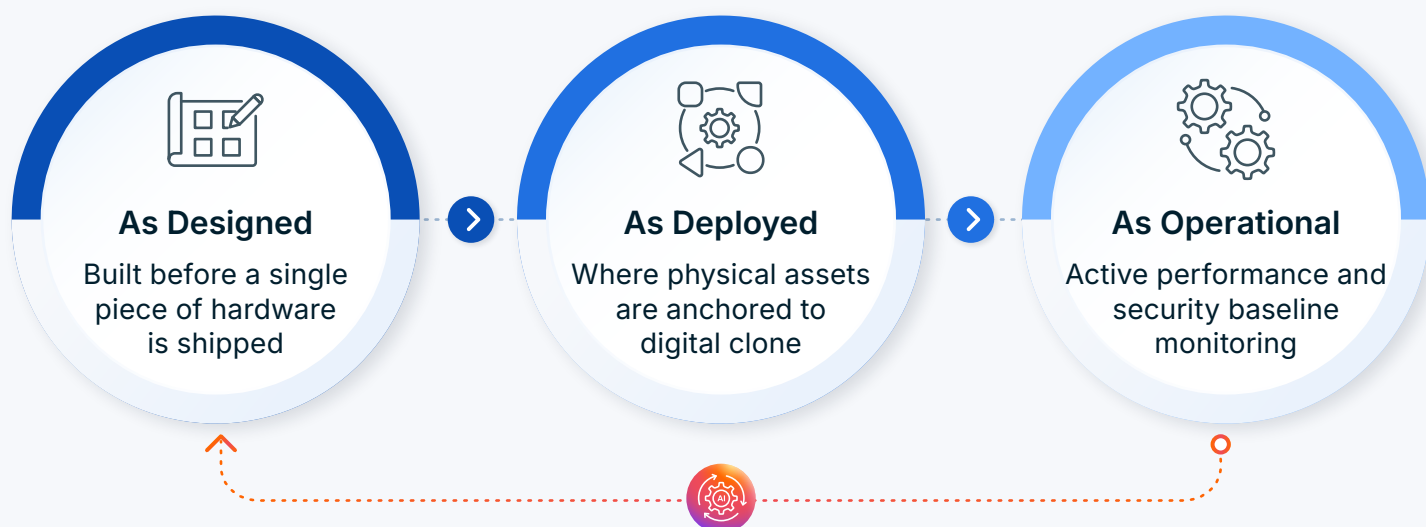
Nile Digital Twin



Transforming the physical into a digital world.

Created From Real-Time Telemetry For Every Nile Deployment

Built through a continuous, bi-directional 360-degree lifecycle view that begins with the network as **Designed**, evolves into a verified blueprint as **Deployed**. This matures into an active **Operational** replica that continuously syncs physical and virtual data, allowing the entire environment to be reconstructed or reverted at any point in time.



The result is true autonomous operations, zero trouble tickets, and improved IT and business productivity.

Continuous Digital Twin Hydration

This is not a static network map — it is a live replica powered by real-time data. It is continuously updated by rich high-fidelity telemetry that includes user experience and infrastructure behavior across campus and branch deployments.

1

Multi-Dimensional Metrics:

Absorbs real-time device connectivity and experience, Nile infrastructure health, and environmental context.

2

Continuous Probing:

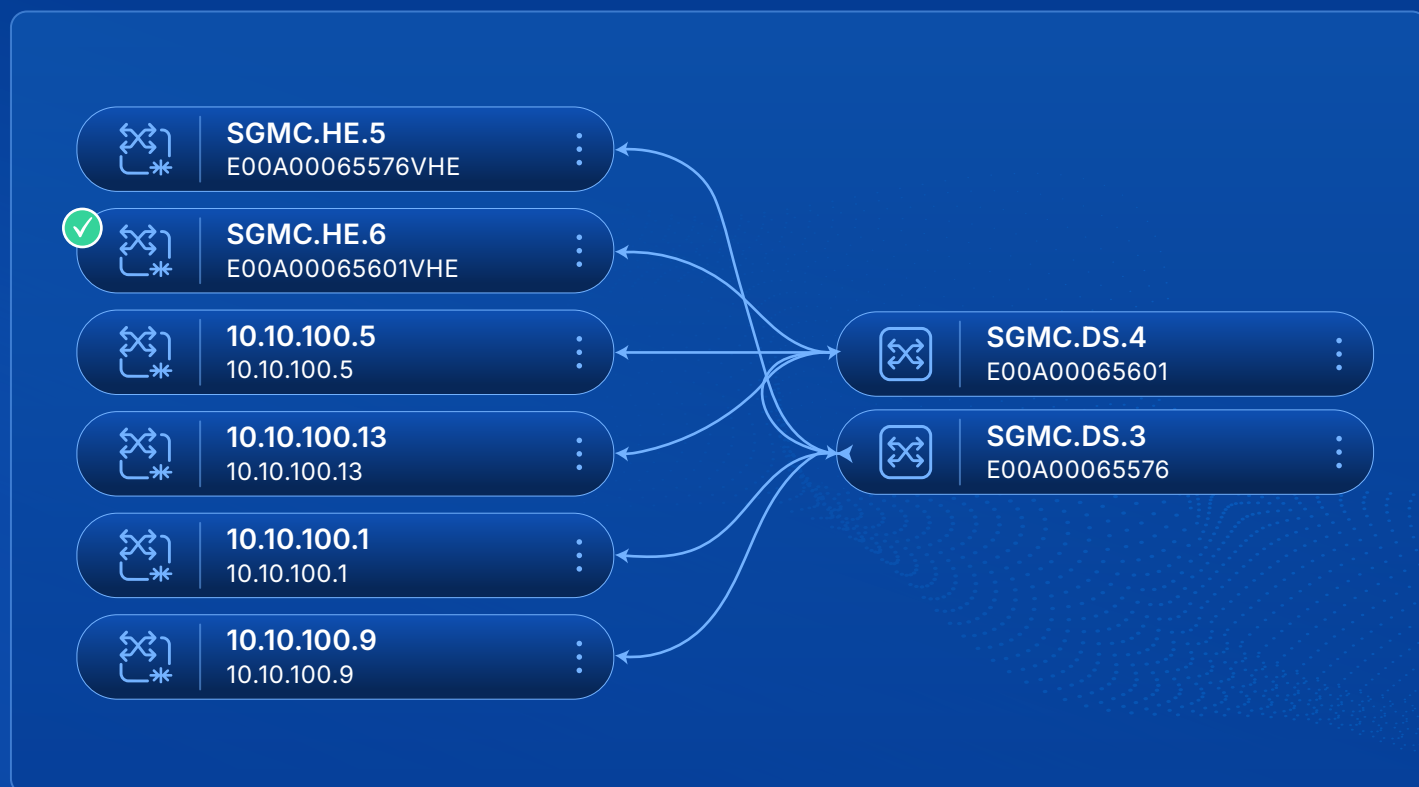
Continuously detects issues, diagnoses root cause, autonomously remediates, and validates the outcome.

3

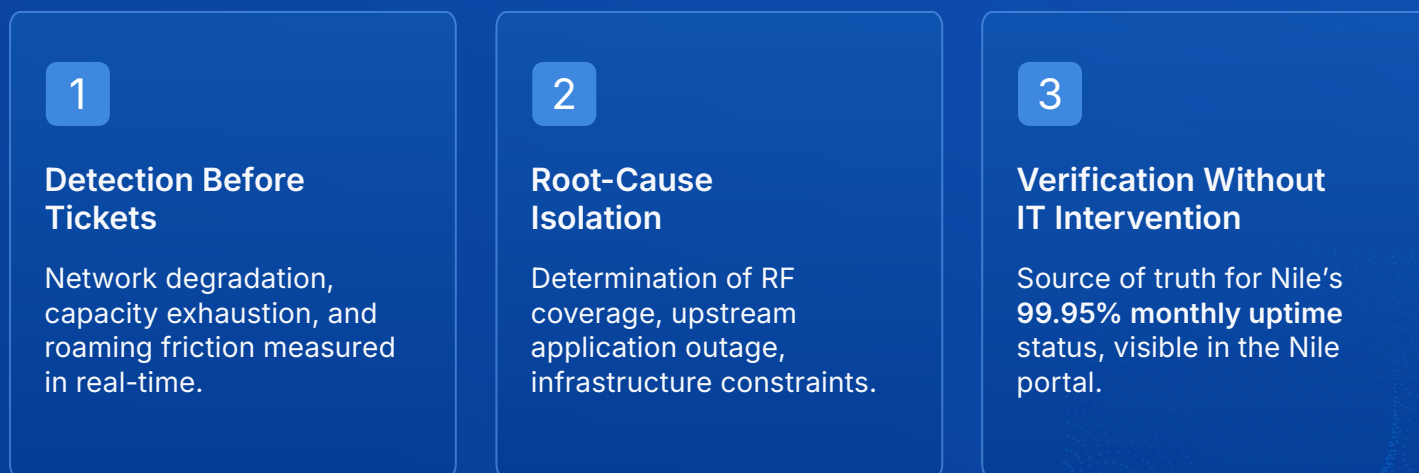
Zero Management Overhead:

Digital clone requires no manual IT configuration, mapping, or updating.

Proactive Issue Detection With Autonomous Real-time Optimization



Traditional management tools alert you after an incident occurs, leaving IT to guess if users are experiencing intermittent issues. The Nile Digital Twin proactively tracks everything, constantly analyzing the networks telemetry, resolving issues and thereby maintaining its sanctity, ensuring a consistent user experience.





Bottom Line

Seamlessly converts real-time telemetry into autonomous, ticket-reducing operations, becoming an indispensable network operations tool. Deep insights and proven efficiency directly aligns to today's evolving business goals and objectives.

Reclaiming Time, Reducing Tickets, and Enhancing Security

Shifting operations from a reactive, firefighting position to an automated, fully validated digital twin directly improves IT efficiency and business outcomes. Real-time data and optimization also provides the foundation for Nile's one-of-kind Service Guarantee.

- **Ticket Reduction:** Connectivity, roaming, and capacity issues identified and handled, preventing help desk backlogs.
- **Reduced MTTR:** For complex escalations, provides historical, minute-by-minute context, eliminating lengthy discovery.
- **No Blame Game:** Provides clarity across IT teams, service partners, and leadership, highlighting operational performance.

IT Efficiency

- ✓ Fewer Tickets
- ✓ Faster Operations
- ✓ Less Manual Work
- ✓ Time saved

99.95% Service Guarantee

- ✓ High Uptime
- ✓ Validated SLAs
- ✓ Continuous Assurance
- ✓ Confidence You Can Trust

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](#)