Innovation. It’s at the center of the modern enterprise. But you can’t build what’s next on a foundation of what was. As if your IT team needed more problems to deal with... most companies today manage a proliferation of next-generation smart devices on prehistoric networks.

Here’s a look at how your organization can outsmart the problem of dumb networks. And there are expected to be at least 30 BILLION smart, connected devices by 2023.

Navigating Smart Devices, Dumb Networks

Smart Devices Are Everywhere

Old School Doesn’t Make the Grade

Demand are growing... Network demands are constantly evolving. The need for reliability and resilience is greater than ever. Unfortunately, legacy technology cannot keep up.

Transformation rules...

The Network Service Economy Emerges

By the Numbers

Today’s Requirements Are Different

67% of companies in a 2020 survey say they’re planning to make the shift to an integrated or fully digital technology organization.

By contrast, the cloud provides opportunities, flexibility, and scale, but managing costs and complexity requires a different approach than legacy tech.

Reliable and secure digital interactions are mission critical, paving the way for innovation, operational efficiency, cost savings, compliance, and safety. This transformation is where competitive advantage is born.

NS1 delivers transformative performance to support the modern enterprise. For more information, visit www.ns1.com or download the ebook "Build the Future of Your Business."

Once upon a time, today’s legacy networks were considered state of the art. However, they weren’t designed to keep up with today’s pace of constant infrastructure change.

75% of organizations that exploit distributed enterprise models will realize revenue growth 25% faster than competitors.

Cloud-native platforms will serve as the foundation for more than 95% of new digital initiatives.

Data fabric deployments will boost efficiency in data utilization four-fold while reducing human management costs.

There’s a better way. NS1 provides:

- Authoritative DNS that automatically routes traffic to the ideal geographic location for ultra-low latency
- crowdsourced internal telemetry that optimizes content delivery
- IP address management
- secure RESTful APIs that easily integrate as code with other applications
- Superior DHCP for globally distributed cloud services
- Enterprise infrastructure designed for resilience
- Edge traffic inspection and filtering for better security
- recursive DNS for edge and internet of things (IoT) performance, including resiliency
- granular visibility and observability for data collection

There’s a need for:

- automation across both on-prem and cloud environments
- diversified and scalable network infrastructure
- and secure digital interactions

Smart Network Controls Are Essential

It’s all about orchestrate all critical control points in order to understand, automate, and secure every digital interaction.

By the Numbers

90% of respondents had pursued a large-scale tech transformation in the last two years.

Today’s Requirements Are Different

5G integration

A security-first framework

A move from hardware-based systems to software-based systems

Protection against downtime and disruption (includes monitoring, AI in operations, problem resolution, and local survivability)

Authoritative DNS that automatically routes traffic to the ideal geographic location for ultra-low latency

Crowdsourced internal telemetry that optimizes content delivery

IP address management

Secure RESTful APIs that easily integrate as code with other applications

Superior DHCP for globally distributed cloud services

Enterprise infrastructure designed for resilience

Edge traffic inspection and filtering for better security

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