NETSCOUT®

Guardians of the Connected World

Unleash Your Unstoppable Enterprise

Discover the performance, security, and availability the world's most essential organizations rely on to stay unstoppable.

From Essential to Unstoppable

When the world relies on your organization – whether you're keeping the global economy flowing, connecting broadband communications, protecting elections, or maintaining dozens of ICUs – a secure, high-performance digital ecosystem isn't optional. For essential organizations, it's an obligation.

Essential organizations must offer a seamless customer experience, stay ahead of digital transformation, and withstand constant disruption. That means deploying applications across private data centers, public clouds, and edge locations. It means your network is always available and secure for customers connecting around the clock from across the globe, and users connecting from home, office, and everywhere in between. As your organization continuously transforms its digital ecosystems to drive progress, staying essential means being unstoppable.

You've built a world-class ecosystem for your mission-critical applications and services. Now, you need uncompromising visibility that protects your digital ecosystem, regardless of complexity or scale, to make sure it's always performing, available, and secure.

Today's Reality For Operations And Infrastructure Teams: More Complexity, Higher Risk.

95% of network traffic is server-to-server communication, and growing

5–20+ network or application monitoring tools

NETSCOUT has redefined visibility to tackle the performance, security, and availability challenges of the world's largest, most complex digital ecosystems.

Big Ambitions, New Risks

Risk is everywhere, threatening to derail your operations, disrupt your services, and impact your revenue. As your business continues to incorporate public and private clouds, colocation facilities, and hybrid workforces, running on custom and mission-critical applications, those risks have only increased. Your teams can achieve more than ever before, but an application going down or a network latency issue has never presented as significant a threat to the bottom line as they do today.

So how can you ensure the level of performance, security, and availability you need to remain an unstoppable force in your industry?

The New Visibility Imperative

As today's essential organizations have become digitally borderless, it has become even more challenging to monitor their sprawling networks, which often operate at global scale. That means total visibility into your digital ecosystem is more important than ever.

The problem is that what often passes for visibility into these networks falls far short of what is required to fully ensure performance, security, and availability. Simply put, the approach too many companies take:

- **Is not broad enough** – Covering applications but not users, or networks but not applications.
- **Is not deep enough** – Relying on device data, logs, sample data, or subsets to interrogate data. Such proxies are not part of operations, can be modified or deleted, and don't reflect actual network activity as computers talk to other computers.
- **Creates siloed NetOps and SecOps teams** – When these teams rely on separate tools to collect data and manage reports, trying to correlate this data manually is cumbersome, error-prone, and slow.

Deep Packet Inspection

In modern IT environments, where servers can be spun up and down in a matter of seconds, you must be able to capture, interrogate and analyze all your data. The only sure way to do this is through detailed analysis of everything that moves through your network, using deep packet inspection (DPI).

DPI is a formidable technical challenge, and most network performance and security vendors have abandoned DPI because they simply can't offer it at scale. But we do, for the world's largest and most complex networks. The end-to-end, real-time visibility into your digital ecosystem that DPI-at-scale enables is essential to building an accountable, transparent, high-performance organization.

Packet Data: Where Network and Security Converge

Packets are the fundamental building blocks of digital communication. Like a physical letter, each data packet carries an identifying envelope (or header) and the message inside (the payload). This comprehensiveness makes packet data the ultimate point of convergence between network and security – and the gold standard for enterprise visibility.

NETSCOUT® believes that organizations must use deep packet inspection to examine each packet and take actions, such as alerting, blocking, re-routing, or logging the data. With a common set of data and a unified platform, network and security teams can work from a single source of truth to ensure high performance without compromise.

Visibility Without Borders: Powering the Unstoppable Organization

At NETSCOUT, we believe your success is far too important to rely on device and log data as a stand-in for true visibility. We've spent four decades focused on solving the most critical challenges for our customers: helping them deliver world-class customer experience under any circumstances.

We are the pioneers of harnessing IP traffic in real time and at any scale, creating expert analytics that help to solve the most complex business and IT challenges. We hold more than 600 patents and employ hundreds of the world's most accomplished engineers, powering a broad range of solutions that address the most vexing performance, security, and availability problems: Network & Application Performance Management, Network Detection & Response, DDoS Mitigation, and 5G Service Assurance.

The secret to becoming unstoppable is something we call Visibility Without Borders®. NETSCOUT's Visibility Without Borders Platform elevates the power of visibility by uniting performance, security, and availability into a common data foundation. This innovative approach enables consistent, real-time visibility and automated analysis across any application, any scale, anywhere, anytime, in any operational team, any ecosystem, and with any vendor's cloud or network operating monitoring solution. The ability to quickly pinpoint the root cause of any issue across your digital ecosystem truly gives your teams the visibility they need to address the full range of performance, availability and security risks impacting their digital services, earlier and with more precision.

Our platform addresses performance and security issues involving:

- Mission-critical applications
- Data center transformation
- Remote and hybrid workforces
- DDoS attacks
- Slow security response
- 5G implementations
- Hybrid & multi-cloud environments

Our platform delivers:

- Real-time triage and retrospective investigation
- Infinite multi-dimensional scalability
- Deep packet inspection at scale
- Visibility from the global internet to your local network
- DDoS attack mitigation
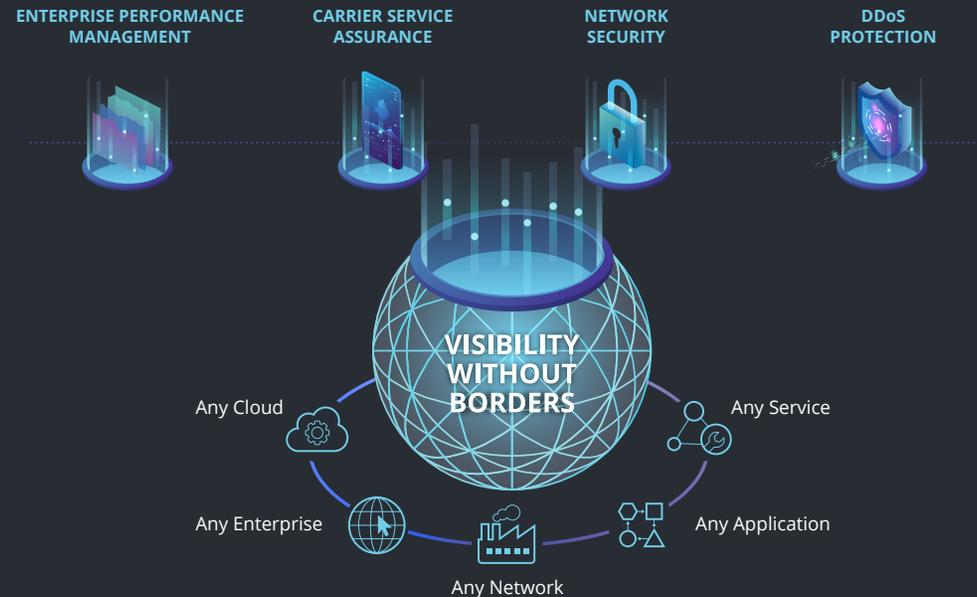- A single-lens view of network and security activity

Visibility Without Borders Platform

Our Visibility Without Borders Platform provides comprehensive network visibility that is both broad – covering legacy and hybrid cloud environments, applications, and all end-users – as well as deep – down to the packet level. Because we analyze and catalogue every packet traversing your network, our platform runs on the most complete and detailed data set possible. All our solutions leverage this data, enabling collaboration around one unified view.

And whether you have one data center or hundreds, there is no limit to NETSCOUT's ability to scale with your infrastructure, even as your organization moves to 25-, 50-, 100-gigabit networking – and beyond.

We build visibility solutions that not only capture packet data, but also retain it retrospectively in the form of metadata to support historical investigations.

ENTERPRISE PERFORMANCE MANAGEMENT

CARRIER SERVICE ASSURANCE

NETWORK SECURITY

DDoS PROTECTION

VISIBILITY WITHOUT BORDERS

Any Cloud

Any Service

Any Enterprise

Any Application

Any Network

NETSCOUT's Visibility Without Borders Platform is the only real-time network visibility platform that unlocks the intelligence the world's essential organizations require, at any scale, to protect the largest and most complex digital ecosystems against disruptions in performance, security, and availability.

The Four Solutions of the Visibility Without Borders Platform

nGenius Enterprise Performance Management

NETSCOUT delivers world-class performance management for mission-critical enterprise services. In the face of rising scale and network complexity, the nGenius® Enterprise Performance Management solution assures robust digital service performance, availability, and user experience. Leveraging NETSCOUT's Visibility Without Borders Platform, which extends to all domains where workloads and users exist, we are able to consistently and comprehensively reveal "all moving parts." The versatility of our solution is second to none – integrating with DevOps, ITOps, and AIOps ecosystems and exports to data lakes.

We proactively identify areas of complexity and fragility, enabling the protection of service quality and digital user experience through early detection, automated triage, and rapid resolution. We enable deep-dive analytics for critical problem domains, such as UCaaS, hybrid work force, large- scale mission critical applications, multi- cloud migration, and AI/Ops.

nGenius Carrier-Grade Service Assurance

Today's carrier networks are more complex than ever. Workforces are constrained by skillset and growing workloads. Carriers require seamless visibility to on-prem, private/public cloud, and virtualized networks. They demand solutions with deep-dive analytics, and real-time end-through-end call tracing - anywhere - on complex hybrid networks: 4G/5G, Edge, Mobile, loT, Cloud, FTTX, and beyond.

Over 90% of the worlds' Tier 1 service providers are utilizing NETSCOUT's proactive solutions to simplify network complexity, protect service quality and improve customer experience. Our cloud optimized software deploys at any location or edge, at scale, proactively detecting problems, collecting evidence, integrating with third party solutions and big data lakes for deep packet insights. Our award-winning solutions, and innovative technology help provide a paradigm shift in actionable intelligence and operations efficiency.

Arbor DDoS Protection

As the frequency and sophistication of DDoS attacks continue to grow, the worldwide deployment of market-leading, adaptive Arbor DDoS protection solutions feed ATLAS®, a unique data repository that provides unmatched visibility into 190+ countries, 500+ industry verticals, 50k autonomous system numbers, global botnet activity, and more than 10 million DDoS attacks per year. This visibility fuels our intelligence, which empowers us to build superior products that keep you ahead of the cyberattackers.

Used by a majority of the world's internet service providers and large enterprises, our solution combines IPFlow analysis with scalable DPI and global DDoS threat intelligence, to deliver pervasive network visibility, automated DDoS attack detection, and intelligently orchestrated mitigation.

Omnis Network Security

Network attacks present a clear and present danger for today's organizations. The Omnis™ Network Security solution delivers highly scalable, DPI-based network visibility, threat detection, and investigation to protect legacy and hybrid cloud environments from advanced cyberattacks. NETSCOUT's Visibility Without Borders Platform enables security without borders, exposing all legitimate and malicious network activity in any network environment, before, during, or after an attack.

The Omnis Network Security solution integrates with and complements existing cybersecurity ecosystems by filling gaps in network visibility to improve incident response. And to manage storage use, Omnis performs real-time extraction of layer 2–7 metadata from packets, intelligent indexing, and packet compression to enable longer-term storage and responsive analytics.

Technology Partnerships That Help Keep You Unstoppable

Today's digital ecosystems are built on technologies that can create borders blocking your visibility. Our Visibility Without Borders Platform breaks down those borders to give you seamless visibility across your entire network, from the data center to the cloud to the edge.

We have strategic alliances with best-in-class technology innovators, providing integrated solutions that improve the quality, reliability, and success of digital technologies, improving our ability to best protect your network, applications, and customer-facing environments.

A Recognized Leader in Performance Management, DDoS Protection & Security

- **Global Infosec Awards** – Recognized as market leader in network detection and response by Cyber Defense Magazine
- **Intellyx Digital Innovator Awards** – Singled out as one of 100 trailblazing firms worth watching
- **2022 Frost & Sullivan Company of the Year Award** – For The Global Wireless Network Monitoring and Service Assurance Industry Excellence in Best Practices
- **TMC Cloud Computing Excellence Award 2022** – Awarded to Omnis Cyber Intelligence
- **Fortress Cybersecurity Award 2022** – Awarded to Omnis Cyber Intelligence
- **Cyber Secured Awards 2022** – Arbor Edge Defense named a winner in the Network Security category

Learn how NETSCOUT's Visibility Without Borders Platform can support your mission-critical performance and security needs in today's increasingly complex and demanding digital world. Become unstoppable.

NETSCOUT SYSTEMS, INC.® (NASDAQ: NTCT) delivers multi-purpose, real-time visibility, troubleshooting and protection wherever your technology infrastructure and business applications reside. NETSCOUT Smart Data gives technology and business teams the next-generation level of visibility to see the full range of performance, availability and security risks, earlier and with more precision, to resolve problems faster. That's why the world's most demanding government, enterprise and service provider organizations rely on NETSCOUT solutions to assure and protect the digital services which advance our connected world.

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