

High-performance cloud security with no trade-offs

As applications and data move to the cloud, work from anywhere becomes the norm, and IoT devices proliferate, a converged networking and security architecture is essential—delivering real-time protection, high performance, and optimized, low-latency connectivity to any application, including AI-driven apps and large language models, without compromising security.

Why is Netskope the best choice?

NewEdge is a purpose-built private cloud that powers the converged networking and security services of the Netskope One platform. It provides customers unparalleled service coverage, performance, and resilience made possible through 120+ data centers in 80+ regions globally—including Mainland China—with every data center offering full compute and a complete stack of secure access service edge (SASE) services. This foundation also enables optimized, secure access to AI applications across public cloud, private cloud, and emerging neo-cloud environments.

Main differentiators

- **Expert-built, performance-driven architecture:**
With over \$250M invested, NewEdge was built by cloud and networking experts, leveraging hyperscale concepts and deep protocol-level expertise to deliver a performance-optimized, secure infrastructure—with minimal latency and seamless access to web, SaaS, cloud, and private applications.
- **No backhauling, full compute everywhere:**
NewEdge eliminates unnecessary latency from backhauling by running full compute and services in every location. Combined with massively overprovisioned data centers, proactive capacity planning, and an extensive interconnection strategy, NewEdge delivers unparalleled resilience.
- **Unmatched global interconnection:**
With nearly 11,000 network adjacencies to 750+ Autonomous System Numbers (ASNs) and ranked as one of the world's "Top 15" IX participants, NewEdge delivers unmatched performance through premium transit and deep peering with ISPs, and leading CDNs, public clouds, and SaaS providers.
- **Scalable, single-pass architecture:**
NewEdge processes traffic using a scalable, single-pass architecture with inline microservices running on bare metal. It incorporates rich context and applies a unified policy for real-time, inline traffic inspection, delivering on industry-best SLAs for availability and latency.
- **AI fast path optimization:**
NewEdge AI Fast Path intelligently optimizes network routes to critical AI destinations, minimizing time-to-first-token (TTFT), accelerating agentic AI workflows, improving LLM performance across distributed data sources, and enhancing retrieval-augmented generation (RAG)—all without introducing a security vs. speed trade-off.

Key benefits and capabilities

Carrier-class design focused on security

A massively over-provisioned, highly elastic private cloud built for scale, resilience, and data protection.

Future-proof, SASE-ready architecture

Powers Netskope One SSE—including FWaaS, SWG, CASB, ZTNA, RBI, DLP, Threat Protection, SSPM, and more—without trade-offs, with full support for TLS 1.3, HTTP/2, and IPv6..

Global access from anywhere

A unified global network with all services available in every location—without reliance on public cloud or virtual PoPs.

Extensive peering & network interconnect

Present in 120+ internet exchanges with deep peering to ISPs, CDNs, cloud, and SaaS providers—including direct regional peering with Microsoft and Google.

Superior user experience

Delivers industry-leading end-to-end performance with typically single-digit millisecond on-ramps worldwide.

Maximum deployment flexibility

Supports IPsec/GRE, SD-WAN (including Netskope One SD-WAN), private interconnect (NewEdge Express Connect), and client or clientless access for remote and unmanaged users.

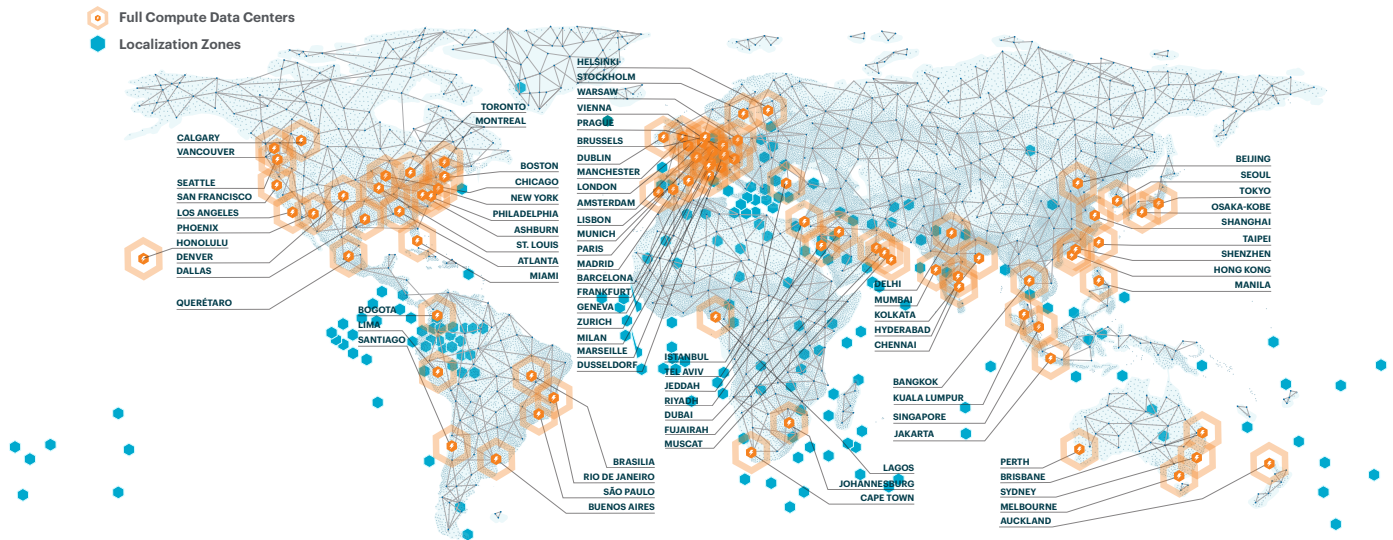
AI-optimized performance at scale:

Intelligently optimizes routes to AI destinations, reducing latency, optimizing agentic AI and LLM workflows while maintaining full in-line security inspection—eliminating the security vs. speed trade-off.

“Netskope provides fast access to resources for all our global users, while also providing security at the edge, and also coexists seamlessly with our existing IT investments.”

– Andrea Foppiani
Sr. Manager Infrastructure & Cloud Security
at Orbia

NewEdge world-class global coverage



The most up-to-date information on NewEdge data center locations is available on the Netskope Trust Portal trust.netskope.com

NETWORK FEATURES	DEFINITION
Localization Zones	Extends NewEdge coverage to 220+ countries and territories, ensuring a seamless local experience for users—including language support and geo-compliance—regardless of the data center from which traffic egresses.
Dedicated Egress IPs	Assigns unique, dedicated IPs per NewEdge data center, enabling secure access to critical apps and cloud services without backhauling traffic, adding latency, or affecting user experience.
Global Server Load Balancing (GSLB)	Uses NewEdge’s unique approach to select the optimal data center based on health and latency, with awareness of 10 nearby sites for instant failover and maximum resilience.
Route Control	Automatically routes traffic in real time over optimal paths from NewEdge data centers to address micro-outages or congestion, maintaining service continuity and low latency—even during ISP issues, or “black swan” events.
Data Sovereignty	With 12+ NewEdge Management Planes across 8 countries today (and near terms plans to expand coverage to additional regions such as India), customers control where sensitive logs and metadata are stored—meeting even the strictest data residency and compliance requirements.
Embedded DPs	For large enterprises and telcos, NewEdge Embedded Data Planes provide fully private, dedicated deployments with full compute and a complete SASE stack to process inline traffic within their own network.
Peering	NewEdge offers public and private peering, including direct integration through Private Network Interconnects (PNIs) with Express Connect, enabling seamless, high-performance connectivity to customer networks.



Interested in learning more?

Request a demo

Netskope, a leader in modern security and networking, addresses the needs of both security and networking teams by providing optimized access and real-time, context-based security for people, devices, and data anywhere they go. Thousands of customers, including more than 30 of the Fortune 100, trust the Netskope One platform, its Zero Trust Engine, and its powerful NewEdge network to reduce risk and gain full visibility and control over cloud, AI, SaaS, web, and private applications—providing security and accelerating performance without trade-offs. [Learn more at netskope.com.](https://www.netskope.com)