



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 web, cloud, SaaS and AI-driven apps, 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, that adheres to zero trust principles, to any application whether hosted in public clouds or legacy data centers.

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 all 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 12,000 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 and AI 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.
- **Accelerating AI adoption:**
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

High-performance architecture supporting Netskope One SSE and SD-WAN for a complete single-vendor SASE experience. Designed for dual-vendor interoperability without compromise, providing industry-leading support for TLS 1.3, HTTP/2, and IPv6 across any environment.

Global access from anywhere

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

Extensively peered and interconnected

Direct peering to top destinations (e.g. Microsoft, Google and the major AI SaaS) for optimal performance, so enterprise can simplify their networking and remove costly private connections.

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.

Optimized AI routing

Intelligently routes traffic to AI destinations to reduce latency and optimize agentic AI and LLM workflows, all while maintaining full inline security inspection.

“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
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