Netskope NewEdge

High-performance cloud security with no trade-offs

As applications and data move to the cloud, work from anywhere becomes the new norm, and a growing number of IoT devices get connected, the right architecture for converged networking and security—one that delivers real-time protection without compromising performance—is more critical than ever.

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 75+ regions globally—including Mainland China—with every data center offering full compute and a complete stack of Secure Access Service Edge (SASE) services.

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 5,000 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.

Key Benefits and Capabilities

Carrier-class design focused on security
Provides customers with a security private cloud infrastructure that is massively over-provisioned, highly elastic, and built for scale, yet designed for data protection.

Future-proof, SASE-ready architecture
Powers Netskope One SSE—including FWaaS, SWG, CASB, ZTNA, and other services such as RBI, DLP, Threat Protection, SSPM, and more—without trade-offs even with all services enabled, plus full support for TLS 1.3 encryption, HTTP/2, and IPv6 clients.

Global access from anywhere
Delivers a single, unified network with all services available in all locations and no reliance on the unpredictable performance or added latency of the public cloud or virtual PoPs.

Extensive peering & network interconnect
Present in 120+ internet exchanges worldwide and aligns closely with web, CDN, cloud, and SaaS providers—including direct peering with Microsoft and Google in every region.

Superior user experience
Achieves the fastest end-to-end round-trip times for web, cloud, and SaaS with low, typically single-digit millisecond latency on-ramps for users accessing from anywhere.
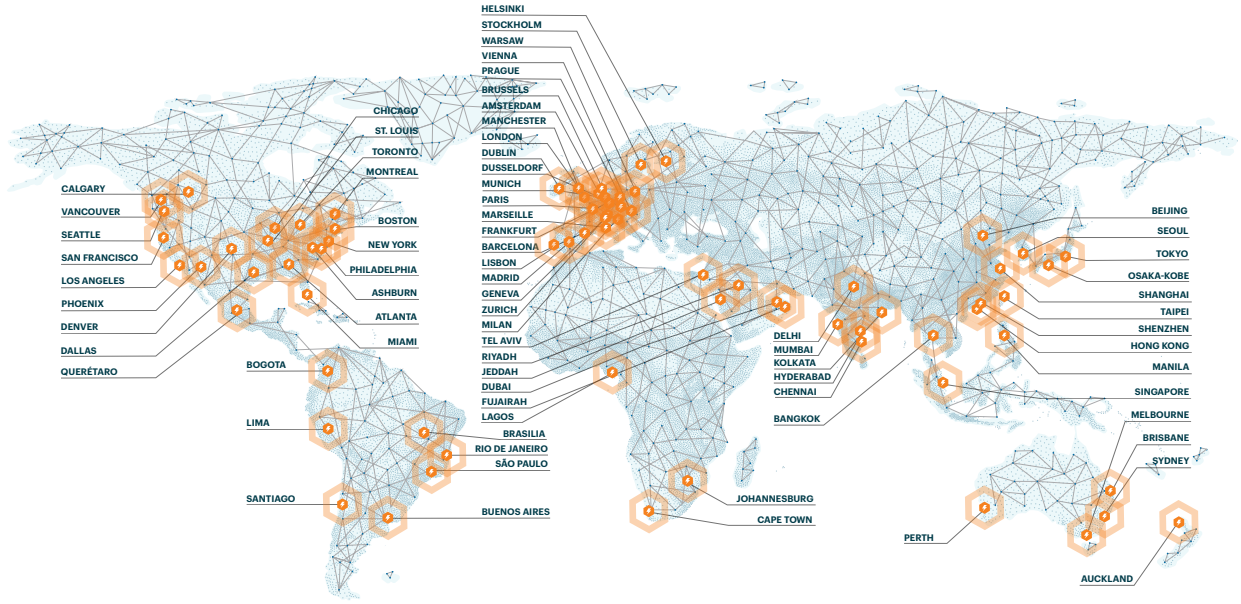
Maximum deployment flexibility
On-ramps traffic to NewEdge via IPsec/GRE tunnels and SD-WAN infrastructure—including Netskope One SD-WAN and private interconnect (NewEdge Express Connect) —or embraces remote workers with Netskope One Client or clientless options for unmanaged devices.

> "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

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Ready for anything

NewEdge world-class global coverage

HELSINKI
STOCKHOLM
WARSAW
VIENNA
PRAGUE
BRUSSELS
AMSTERDAM
MANCHESTER
LONDON
DUBLIN
DUSSELDORF
MUNICH
PARIS
MARSEILLE
FRANKFURT
BARCELONA
LISBON
MADRID
GENEVA
ZURICH
MILAN
TEL AVIV
RIYADH
JEDDAH
DUBAI
FUJAIRAH
LAGOS

CHICAGO
ST. LOUIS
TORONTO
MONTREAL
CALGARY
VANCOUVER
SEATTLE
SAN FRANCISCO
LOS ANGELES
PHOENIX
DENVER
DALLAS
QUERÉTARO
BOSTON
NEW YORK
PHILADELPHIA
ASHBURN
ATLANTA
MIAMI
BOGOTA
LIMA
SANTIAGO
BRASILIA
RIO DE JANEIRO
SÃO PAULO
BUENOS AIRES

BEIJING
SEOUL
TOKYO
OSAKA-KOBE
SHANGHAI
TAIPEI
SHENZHEN
HONG KONG
MANILA
SINGAPORE
MELBOURNE
BRISBANE
SYDNEY
PERTH
AUCKLAND

DELHI
MUMBAI
KOLKATA
HYDERABAD
CHENNAI
BANGKOK
JOHANNESBURG
CAPE TOWN

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, 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.

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Interested in learning more? Request a demo

Netskope, a global SASE leader, uses zero trust principles and AI/ML innovations to protect data and defend against cyber threats, optimizing both security and performance without compromise. Thousands of customers trust the Netskope One platform and its powerful NewEdge network to reduce risk and gain unrivaled visibility into any cloud, web, and private application activity. Learn more at netskope.com.