



Tunnel Orchestration to Netskope

Solution Brief

The industry's first ready-to-deploy tunnel orchestration Ops Kit to connect multi-vendor CPEs to Netskope for SASE rollout, powered by the world's leading infrastructure automation technology

The challenge

Creating and orchestrating IPSec and GRE tunnels at scale.

As SASE adoption accelerates, even the most strategic teams are running into unexpected operational roadblocks. One of the biggest challenges is building and managing secure tunnels between enterprise sites and Netskope points of presence (POPs), often across a fragmented mix of legacy systems like Customer Premises Equipment (CPEs), Legacy Firewalls (FW), Next-Generation Firewalls (NGFW), and SD-WAN appliances.

Tunnel orchestration today is a tedious process that can involve manual setup and management across hundreds or thousands of sites. Teams must constantly reengineer tunnels in response to vendor-driven POP changes, configure multiple tunnels to overcome bandwidth constraints, and overcome limited customer visibility into tunnel inventory and routing. The result: rollout and operational delays, increased risk of misconfiguration, slower realization of SASE project revenue and promised benefits of the technology.

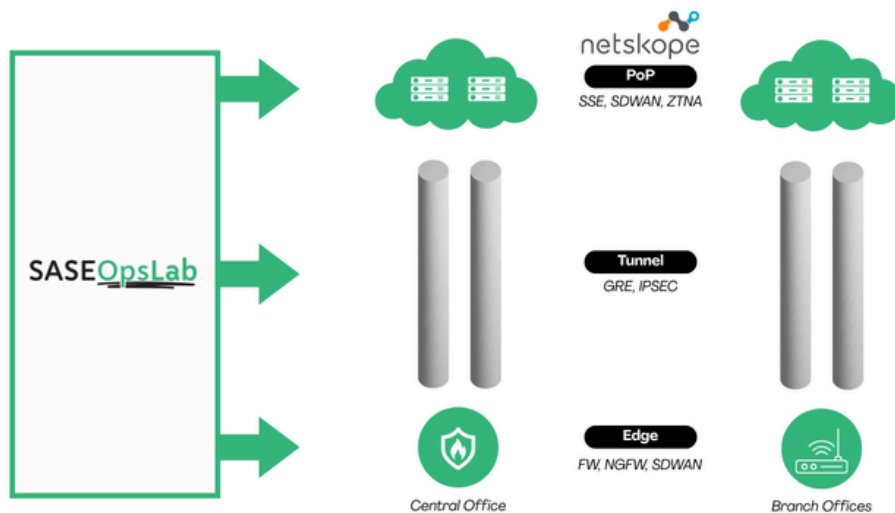
Supercharge SASE Deployment and Adoption

By eliminating error-prone manual configurations and shortening the lead time for tunnel set up and changes, organizations benefit from dramatically accelerated rollouts of Netskope's leading IT security services with no overhead cost.

The solution

Multi-CPE to Netskope POP tunnel orchestration Ops Kit

To defeat the inherent operational complexity of tunnel orchestration within large and distributed corporations and to benefit from the geographic disbursement of widespread Netskope POPs, a radically different approach is needed. An 'automation first' mindset is required in order to break away from the ad hoc approach that has prevailed so far in the industry.



SASE OpsLab is a game changer in tunnel orchestration, transforming how the entire Netskope ecosystem, from producers to consumers, delivers secure connectivity at scale.

With prepackaged tunnel deployment Ops Kits from SD-WAN, routers, NGFWs, and more to the Netskope One platform, SASE OpsLab eliminates the need for static configuration files or vendor-specific scripts. By leveraging SASE OpsLab prequalified Ops Kits during a customer delivery project, you get:



Mass tunnel orchestration: Seamlessly deploy, migrate, and monitor IPsec and GRE tunnels at scale, with built-in dual-tunnel failover to ensure high availability and continuous service.



Bulk import: Import customer device configs at scale and autogenerate the corresponding tunnel golden configs, without service disruption.



Automated key management: Enhance security with secure, pre-shared keys for every tunnel, eliminating manual errors to proactively strengthen security.



Autoadapt to infrastructure changes: Automate the lifecycle management of the customer tunnels to address Netskope POP or Edge changes.

The SASE OpsLab advantage

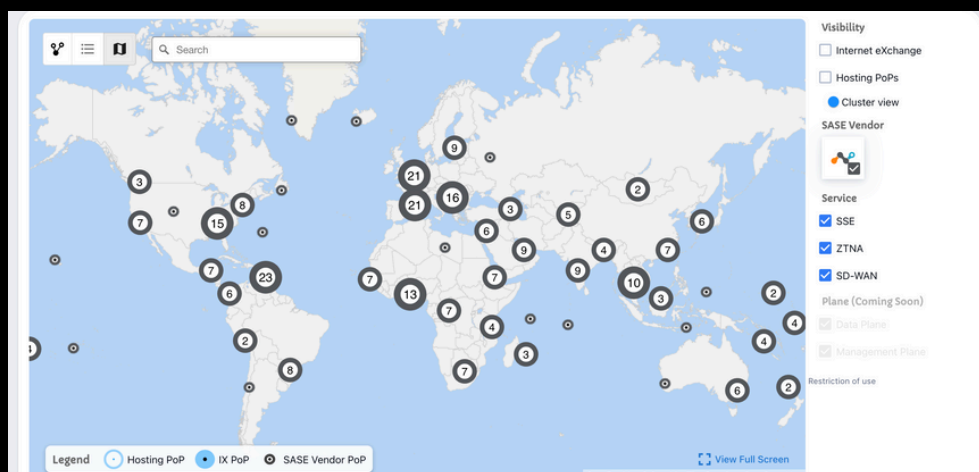
Where automation excellence meets SASE operations expertise

SASE OpsLab is the synergetic convergence of UBiqube's state-of-the-art infrastructure automation framework and our dedicated pool of SASE operations experts.

UBiqube, backed by a pool of Fortune 500 strategic investors, had spent over a decade developing the most agile automation framework to address the ever changing nature of the IT infrastructure paradigm, from networks to cloud, from private to public, from physical to virtual. This engineering journey culminated in Clou diamo, providing infrastructure automation experts with an agile fabric to design tailored Ops Kits that today powers Tier-1 IT service back offices worldwide.

Recognizing that the SASE industry lagged behind other sectors in terms of underlying infrastructure automation and operations, we strategically combined UBiqube's IP with a dedicated team of experts to create SASE OpsLab to streamline operational complexity and supercharge SASE delivery and adoption.

This unique delivery management hub is focused on the enablement of the entire Netskope One ecosystem with field-hardened automation Ops Kits to overcome operational challenges. SASE OpsLab's portfolio is customizable by IT Ops users, with a central repository of Ops best practices pertaining to the SASE domain.



SASE Map displaying Netskope PoPs

SASE OpsLab

Where the Netskope One ecosystem wins



Effortless large-scale deployments: Automatically configure tunnels to Netskope with no hidden surprises, ensuring consistent, secure connections.



Futureproof operations: Designed to handle the evolving nature of SASE to ensure Netskope deployments are always up-to-date, without manual rework.



Stronger security by design: Unique pre-shared keys are auto-generated and securely assigned, reducing risks and eliminating manual key management errors.



Boosted profitability for SIs and MSPs: Automating repetitive tasks frees up time and resources, increasing margins and enabling faster customer onboarding.



Seamless third party solution integrations: Support growth effortlessly with a frictionless ecosystem that accelerates adoption.



Scalable ecosystem advantage: Support rapid growth and complex hybrid environments with a platform trusted by global leaders.

About SASE OpsLab

SASE OpsLab is supported by UBiqube, a global leader in IT & Cloud infrastructure automation. The SASE OpsLab team productizes best-in-class Ops Kits for SASE operations, from delivery to migration, for all SASE solutions, vendors, and point of consumption scenarios. SASE OpsLab is powered by UBiqube's state of the art automation stack and staffed with SASE service deployment experts to solve the industry delivery challenges at scale.

Talent from vendors, channel partners, and end users all converge in the SASE OpsLab ecosystem to find easy solutions to an infinite array of Ops challenges. Visit us at www.sase-opslab.com or explore the SASE map at <https://sase-opslab.com/the-sase-map/>. For more information on our technology foundation and backers, visit www.ubiqube.com.