

# Netskope One DNS as a Service

## DNS resolver service with domain filtering

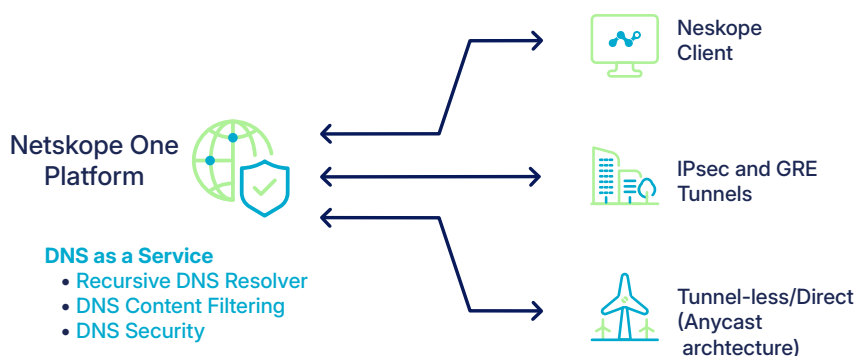
Secure and responsive cloud-based DNS recursive resolver for Netskope clients, IPsec and GRE tunnels, and directly over the internet (tunnel-less). Supports DNS content filtering for business categories and DNS security, an API for DNS profile workflow automation, plus centralized management and logging.

## Why is Netskope the best choice?

The Netskope One platform consolidates and reduces complexity with the inclusion of DNS as a Service (DNSaaS) for secure DNS resolutions, DNS content filtering, and DNS security. Protect clients, services, IoT devices, and unmanaged devices including for guest or unmanaged networks, and ensure all DNS queries from Netskope Client use DNSaaS.

### Key Capabilities and Use Cases:

- **Domain filtering** using predefined categories of the Netskope One platform also used for SSE and SWG real-time policy controls.
- **Protect guest Wi-Fi** and wired networks or any unmanaged network with secure DNS resolutions and web domain filtering without proxy content inspection.
- **Netskope Client** and all external DNS resolutions can be secured and resolved by the Netskope DNS resolver cloud service.
- **Unmanaged devices** (IoT, servers) without Netskope Client or tunnels to the Netskope One platform are protected by secure DNS resolutions and domain filtering.



## Key Features and Benefits:

### Recursive DNS Resolver

Acts as a middleman for website name to IP address resolution. Recursively it searches root, TLD, and authoritative servers, and once found provides the IP address for your device and caches the result for faster future requests.

### DNS Profile API

Enables automation of workflows and programmatic access via CRUD API for DNS profiles. Plus centralized management and logging with the Netskope One platform.

### Anycast IP Addresses

Send DNS requests to the same set of IP addresses for all data planes within the NewEdge network improving operational effectiveness.

### Full DNS Security

Prevents malicious actors from redirecting users to spoofed websites, launching phishing or malware attacks, or using DNS for botnet communication.

### High DNS Performance

Provides quick, reliable, and efficient translation of domain names to IP addresses, which directly impacts website loading speed, user experience, and overall internet service reliability.

### DNS Domain Filtering

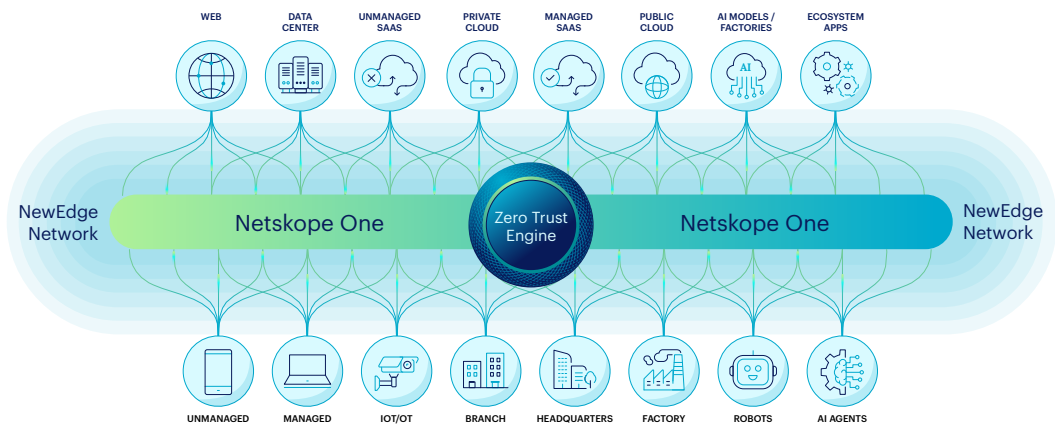
Blocks access to harmful, noncompliant, or unwanted websites and apps by intercepting and evaluating DNS queries before they connect to the internet.

“The Domain Name Server (DNS) is the Achilles heel of the Web. The important thing is that it’s managed responsibly.”

– Reference: [Tim Berners-Lee](#)

# The Netskope Difference

Netskope One is a modern, converged platform delivering security, network, and analytics services. Through its patented Zero Trust Engine, AI innovation, and NewEdge Network, one of the industry's largest and most performant private security clouds, we make it easy for our customers to defend their business and data from threats while delivering a phenomenal end-user experience.



FEATURE	CAPABILITY
DNS Content Filtering	Provides DNS content filtering for business categories, and DNS security using security risk categories.
Full DNS Security	Prevents malicious actors from redirecting users to spoofed websites, launching phishing or malware attacks, or using DNS for botnet communication.
Recursive DNS Resolver	Middleman for website name to IP address resolution by recursively searching root, TLD, and authoritative servers to provide the IP address for your device.
High DNS Performance	Provides quick, reliable, and efficient translation of domain names to IP addresses, which directly impacts website loading speed, user experience, and overall internet service reliability.
DNS Profile API	Enables automation of workflows and programmatic access via CRUD API for DNS profiles.
Key Use Cases	Protect offices using IPsec and GRE tunnels, guest Wi-Fi networks, unmanaged networks, unmanaged devices (IoT, servers), and Netskope client devices.



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.](#)