

DNS Protection Service

Maximum Uptime For Mission Critical Services.

DNS Protection that delivers 100% availability and enables DNS requests to be resolved efficiently for protected domains.

Our platform leverages on Nexusguard's highly scalable, fully redundant and globally distributed DNS platform with sufficient capacity to absorb large DNS-based DDoS attacks while responding to legitimate user requests.



Key Features

- ✓ Protect against reflected, amplification and advanced DNS-based attacks.
- ✓ Protect against DNS spoofing, cache poisoning, tunnelling, & hijacking.
- ✓ Flexible DNS hosting options.
- ✓ Real-time mitigation with customized Dashboard, view real-time traffic & attack events with periodic reports.
- ✓ Continuous development by Nexusguard against latest threats.



Key Benefits

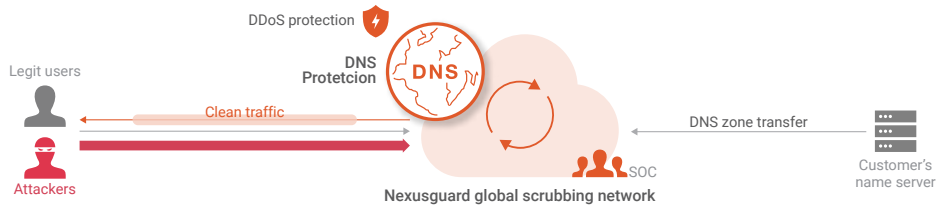
- ✓ 100% DNS availability, maintains user access to websites & applications.
- ✓ Flexible deployments suits different deployment requirements.
- ✓ Enjoy unparalleled visibility of DNS traffic and threats in real time.
- ✓ SLA commitments with monthly performance review reports.
- ✓ Avoid down-time negative publicity & customer churn.
- ✓ Attain regulatory compliance & avoid monetary penalties.

DNS Protection Service Architecture

Hosting Model

Use case 1

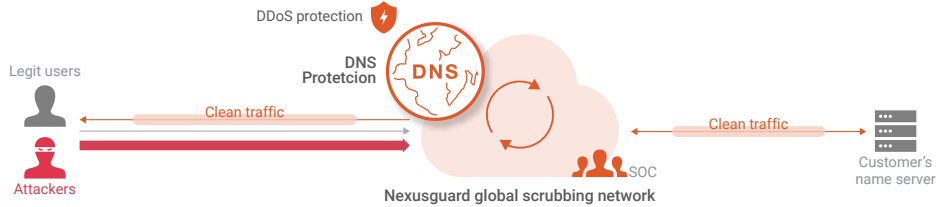
For customers that do not have DNS servers, NXG will host the DNS Zones



Reverse Proxy Model

Use case 2

- For zone transfers, customers are required to have their own DNS, transferring as primary zone by using the AXFR protocol.
- Proxy (= reverse proxy), NXG is sitting in front of their DNS by using reverse proxy mode.



	Features	Benefits
Protection	"Always-on" Protection	Protects any DNS domain by hosting DNS domains on cloud to share traffic load.
	Compliance with DNSSEC Mandates	Supports DNSSEC to enhance data integrity and cryptographic authentication of DNS data.
Two Operation Modes	Hosting Mode	Fully Managed DNS service that protects any DNS zone: <ul style="list-style-type: none"> • Supports AXFR • Supports ANAME • Supports IDN
	Proxy Mode	Service that protects any Name Server: <ul style="list-style-type: none"> • Proxy TCP/UDP based DNS traffic to upstream name servers • Suite of mitigation tools: <ul style="list-style-type: none"> - Allow/Block List - Anti-flooding Filters - Traffic Policing
Control & Visibility	Data-Rich Portal	<ul style="list-style-type: none"> • Web portal for site & policy administration • Comprehensive dashboard for traffic overview and attack protection status • Detailed Monthly Reports"
	Uptime Assurance	100% Availability SLA
	Flat-Fee Structure	Unlimited queries and domain records
	Total Solution	Combines well with Application & Origin Protection to deliver a total solution

DNS Protection Service Overview



Fast DNS responses



DNSSEC Compliance



Auto Detection & Mitigation



Managed SOC



Guaranteed Uptime



Maximize User Experience



View Real-Time Network Traffic & Threats



24x7 Access To Dedicated Engineers