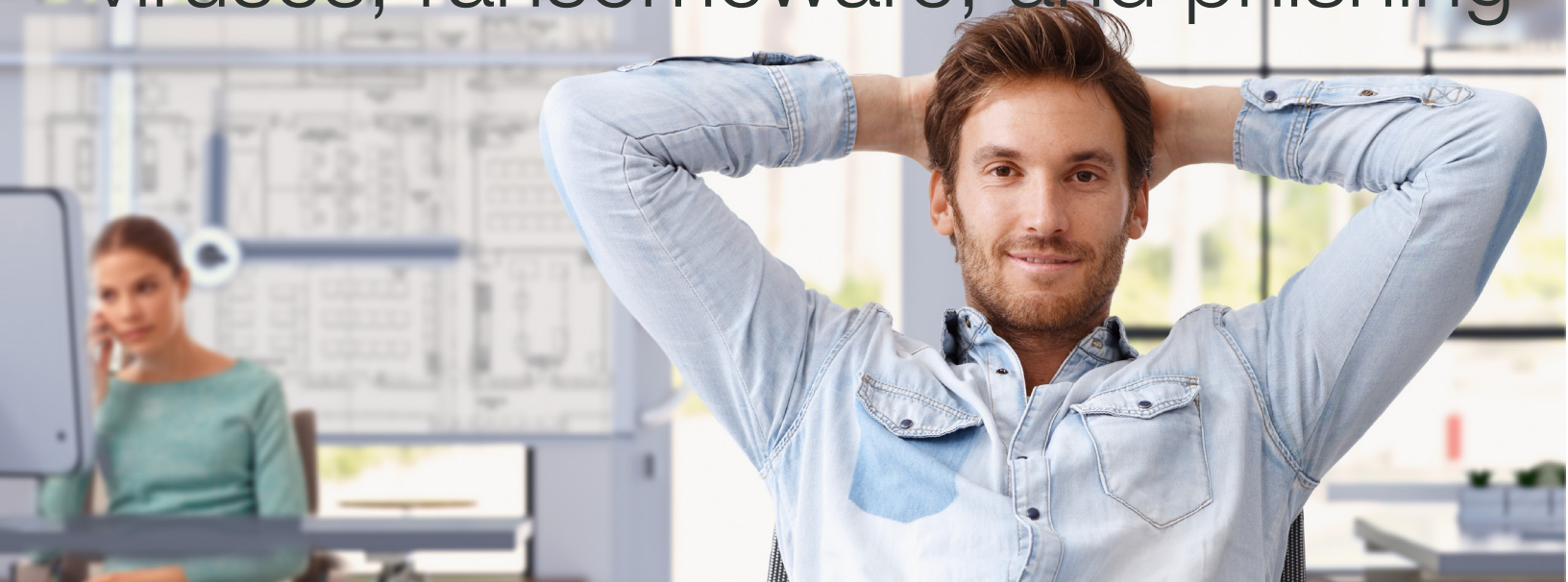


Protecting networks from malware, viruses, ransomware, and phishing



INTELLIGENT CYBER SECURITY, CONTENT FILTERING, & NX REDIRECT

Our virtual appliance re-engineers DNS to protect networks against cyber threats, offer in-depth content controls, create new revenue streams, and optimize network resources.

Protect the Network

Easily protect millions of devices on the network with DNS Firewall. All devices use DNS to navigate the Internet. Our firewall contains millions of known security threats, updates in real time, and protects both fixed and mobile devices.

Optimize Network Bandwidth

Malware wastes valuable bandwidth by taking control of infected devices and being a slave to its mothership. We detect and intercept malicious communications optimizing bandwidth usage.

Upsell & Build Customer Loyalty

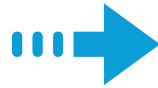
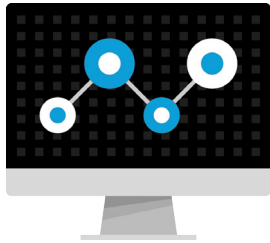
Blocked requests can be re-directed to a sponsored landing page. This redirect lets customers know who is protecting them as well as creates a cross sell opportunity.

Customize Internet Experience

Avoid distractions with granular content controls. DNS content filtering provides 60+ content categories that can be adjusted based on the customers needs.

Solution Overview

Subscriber



THUNDER DNS



Public Internet



Subscribers are automatically secured by Thunder DNS. Once enabled, all domain requests are sent to Thunder DNS instead of traditional DNS servers.

Thunder DNS receives the DNS request and determines the domain threat level. Risky domain requests are investigated in real time. If harmful, the DNS requests are blocked.

Low risk and non-harmful domain requests are resolved and the subscriber securely navigates the Internet.

Technical Specifications

Features	
Zero Day Security	Updates every 5 minutes
Smart Caching	Pre-fetch supported
DNS Failover	Mutli Server Redundancy + BGP
NX Redirect	Supported
Query Sampling	Supported
Queries Per Minute Max Load	20,000,000 QPM
Virtualization OS	Linux KVM
User Interface	Chrome Web Browser

Minimum Server Requirements	
Required Hardware	Bare Metal Server (VM on VM not supported)
Hardware Virtualization	Enabled in BIOS
Processor	4+ Cores 1.5+ GHz
RAM	16+ GB
Network Interface	1+ Ethernet Interface (10/100/1000)
IP Allocation	2+ Static & Public IP
Bandwidth	100+ Mbps
Disk Space	30+ GB