Neustar Security Services Overview

Today's connected world leaves no room for error. Cyberattacks and missed connections can cause lasting damage to your business's reputation and bottom line. Our Security Services secure your digital presence against risks and downtime while leaving you open for opportunities, ensuring your customers enjoy consistent, uninterrupted, quality interactions.

Neustar Security Services will accelerate the performance of your online presence by helping you defend your network against threats and inform you of potential vulnerabilities. What we offer enterprises is a holistic, comprehensive solutions portfolio that delivers deep layers of defense and even deeper security intelligence to protect your business in an increasingly hostile online world. All towards bringing uninterrupted, more personalized experiences to your customers and safeguarding the stability of your digital enterprise and revenue stream.

Since the turn of the decade, security has played a pivotal role in who we are and what we do. We are the trusted source of decisioning data on 99.99% of all routable IP address worldwide. As one of the world's largest DNS providers, handling over one trillion DNS queries per month in our massively scalable and ultra-secure network. And we tirelessly innovate to create new ways to detect, mitigate and respond to the latest threat vectors, from zero-day viruses to suspicious endpoints—all in a manner that's simple to deploy and easy to manage.

Holistic Security is a Whole Lot Smarter

The security risks that your organization faces don't come from a single direction. At any moment in time, you could be facing multiple threat vectors at once:

- Experienced cybercriminals hiding behind a fake identity in a foreign country
- Thousands of hijacked devices strung into a botnet to batter your website
- Internal employees who unwittingly download ransomware onto your network servers

In many cases, Chief Security Officers are fighting multiple battles on multiple fronts with a piecemeal defense of security solutions. The problem with this strategy is that managing and integrating those different pieces can result in gaps, both in terms of threat intelligence and threat response. Neustar Security offers a simpler, smarter approach: a holistic, multilayered defense strategy that combines threat detection, automation and seamless protection, delivered in the cloud and managed by a single, experienced vendor.

The UltraSecurity Portfolio protects your organization where it needs it most: at the Domain Name System (DNS) level where Distributed Denial of Service (DDoS) attacks and malware infiltration often occur, at the IP level where identity and reputation are established, and at the application level where vulnerabilities can be exploited.

Together, these pieces give organizations the peace of mind to embrace the digital world around them without fear of losing critical information or tarnishing their brand.

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DDoS Mitigation is More Important Now Than Ever

The most recent survey of the Neustar International Security Council (NISC) shows that over half of those surveyed have been victims of a distributed-denial-of-service (DDoS) attack, a statistic that has grown over the last year. DDoS attacks are once again a top concern among security professionals, followed by system compromise and ransomware. Enterprises have a good reason to be worried, as Neustar Securitys' Operations Center (SOC) continues to see double digit growth in these attacks over time.

To help organizations combat the rising number of DDoS attacks, Neustar Security offers UltraDDoS Protect: a powerful DDoS mitigation service running on a massive, global platform that is one of the world's largest dedicated DDoS mitigation networks. With 14 global nodes and 12+ Tbps capacity and growing, UltraDDoS Protect delivers the protection companies need, with the ability to rapidly detect, protect against, and respond to DDoS attacks of all sizes.

UltraDDoS Protect delivers fast, flexible, expert DDoS mitigation services including:

- DDoS attack monitoring, detection and response from Neustar Security experts
- On-premise, cloud and hybrid models that provide flexibility and scalability for large-scale DDoS attacks
- Automated and manual DDoS attack responses in five minutes or less, guaranteed
- Neustar Security NetProtect provides a secure, easy-to-configure cloud solution that supports over 100 Gbps of clean data bandwidth. It directly connects to the Neustar Security UltraDDoS Protect platform from more than 500 global data centers

97% of NISC members indicated that a Web Application Firewall (WAF) was considered an essential component of security infrastructure. Neustar Security is up to the challenge with UltraWAF, a powerful service that can be used in concert with UltraDDoS Protect. The two solutions together provide always-on DDoS mitigation that creates a comprehensive layer of protection against high-volume, botnet-based DDoS attacks as well as threats that target application vulnerabilities. Neustar Security UltraWAF and UltraDDoS Protect represent a true cloud-based solution that requires minimal IT management and no additional capex or complexity in the network. The solution is augmented by Neustar Security experts to make sure that the latest threat intelligence and mitigation tactics are employed in the defense of your organization.

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DNS Protection: Our Domain of Expertise

Domain Name System servers are on the front lines of cyberattacks. They are frequently the target of DDoS attacks and quickly become overloaded with numerous false requests, eventually shutting them down. DNS servers are also responsible for connecting your internal users to the outside digital world and, if left unsecured, can allow users to download potentially harmful content.

DNS technology performs two distinct roles in the network. As a recursive DNS server, it resolves an alphanumeric IP address into understandable and recognizable words, such as mybusiness.com. As an authoritative DNS server, it connects users to a specific application or web content. And due to their design, DNS servers have their own unique security needs. For example, a recursive DNS server might require ultra-low latency and protection against DNS spoofing. An authoritative DNS server, on the other hand, could benefit from security measures that ensure availability, such as DDoS protection.

Neustar Security offers two unique and complementary solutions to address today's DNS security requirements: UltraDNS and UltraDNS Firewall. Both solutions provide secure, hosted DNS services within Neustar Security's massive, high-performance and high-security cloud network.

Capable of functioning as primary or secondary DNS server solution, UltraDNS delivers industry-leading security and availability, providing you with:

- Designed for 100% SLA for DNS resolution
- Built-in protection against DDoS attacks, DNS spoofing and more through the power of our exclusive DNS Shield network and technology
- Single-click DNS Security Extensions (DNSSEC) protection of all zones and IPv6 compliance
- A trusted, proven solution that handles over 55 billion global DNS queries every day

UltraDNS Firewall is a customizable, enterprise-grade, cloud-based DNS service that helps protect organizations from malware, ransomware and objectionable content and delivers fast and reliable navigation globally to vital online applications.

With UltraDNS Firewall you can achieve near-zero latency for internal DNS resolution, receive instant cache updates to UltraDNS hosted zones, eliminate bad traffic before it reaches your network and end users, prevent internal users from accessing harmful or unwanted content, and control costs by implementing a cloud-based, managed solution.

Performance Protection: Know How You're Doing

If your website or service is broken, slow, or not performing well, the result could be unhappy customers or lost customers and lost revenue.

Web Performance Management (WPM) provides critical insights into performance of your website or web service, sending threshold-based alerts, providing detailed object level reports, and allowing faster issue find and fix of issues, thus minimizing impact to customers.

WPM is a boon to brands that need to protect their online reputation and ensure quality customer experiences.

As a robust solution designed to help organizations of all sizes maintain high customer satisfaction, WPM offers features that include:

- Cloud-based monitoring and load testing with synthetic and real users
- Real User measurement directly from visiting browsers and ability to deploy local agents behind firewalls
- Insight into key performance issues such as latency, page load times, object load times, and more.

Vulnerability & Penetration Testing:
Know What Needs Work

Neustar Security Professional Services deliver the expertise and experience needed to identify and fill defense gaps – both physical and digital. Our service team members carry coveted industry certifications (e.g., Certified Ethical Hackers) and boast an average of 18 years of experience, so you know you can trust our security advice.

- Network assessment, vulnerability assessment and penetration testing
- Defense solution planning and design
- Solution integration and customization
- Performance optimization including website performance and testing optimization
- 24/7 technical support plus optional on-site staff augmentation
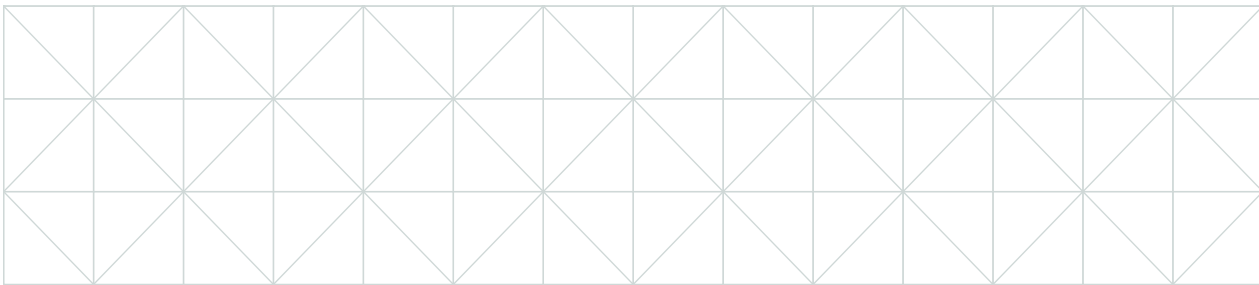- On-site and remote training

*Not all fields available for IPv6 addresses

Professional Services:
We Bring It All Together for You

Neustar Security Professional Services help you secure your networks and data. Our services assess the vulnerability of your online systems, prescribe fixes for weaknesses and gauge performance so your digital presence is protected against cyber threats and provides customers with uninterrupted experiences.

- Business Continuity Management
- Cyber Security Assessments
- Web Performance Analysis & Optimization
- Risk Mitigation Best Practices
- DNS Assessments
- Product Guidance

Optimum Performance, Robust Defense

You can protect your business without having to worry about protecting your investment. Get best-of-breed DDoS Protection, DNS Security, Web Performance and more, from one the most trusted name in cybersecurity: **Neustar Security Services.**

Let's Get Started

FOR MORE INFORMATION

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