Web Application Security from Neustar

The changing landscape of security threats – from networks to applications, from business disruption to data exfiltration and from single vector to multi-dimensional attacks – is driving an architectural shift in the security industry. While volumetric Distributed Denial of Service (DDoS) attacks continue to command significant attention, application-layer threats have become more damaging and are also much more difficult to detect, as they provide little to no advance warning before they wreak havoc. This necessitates a security posture that is always-on but still provides the scale to respond to the largest network and application-layer threats that are prevalent today.

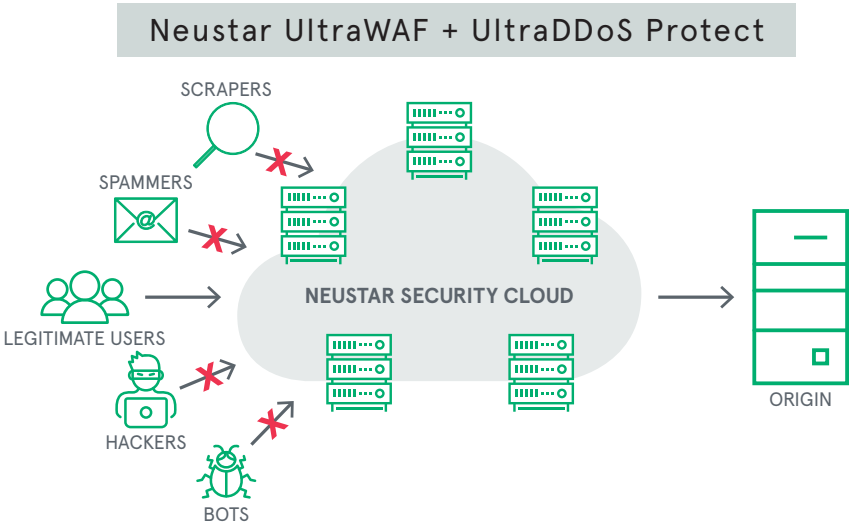
Security leaders are struggling to find ways to protect their customer-facing and mission critical applications against ever evolving online threats that target their web resources. Neustar UltraWAF is a cloud-based web application protection service that protects against threats that target the application layer. With UltraWAF, organizations can reduce their costs and consistently configure rules anywhere, without any provider restrictions or hardware requirements. It's the application layer security you need to efficiently monitor and defend your online assets.

BENEFITS

- Cloud deployment with no hardware or software required
- OWASP Top 10: Protects against known security risks
- Profiles traffic and makes recommendations based on traffic heuristics via Learning Mode
- Positive and negative security: Allows or blocks access efficiently
- 24/7 customer support from a team of dedicated security experts

Neustar UltraWAF Key Benefits

- **Cloud, Hardware & Environment Agnostic** – UltraWAF fits anywhere that your applications are hosted, so you can reduce costs and configure consistent rules without any restrictions.
- **Layered Protection** – UltraWAF defends critical applications even with the most complex worklows and prevents the most common threats that target the application layer, such as SQLi, XSS and CSRF.
- **Positive and Negative Security Capabilities** – A negative security posture assumes that all traffic is allowed except that which includes an already identified threat or an attack. The positive security model takes the position that unless traffic is explicitly permitted it is denied. This approach will catch zero-day threats, as well as attacks that feature malformed packets or non-RFC-compliant traffic. A positive security approach is dependent on traffic heuristics and automated learning, it can empower you to match a profile to the traffic.



- **Learning Mode** – To ensure optimal protection and make use of the positive security model, learning mode allows UltraWAF to monitor traffic to applications and "learn" from its experiences. Learning mode takes note of the traffic passing through UltraWAF and makes recommendations on what relaxation rule, if any, should be applied. This feature profiles traffic and can help you to delineate between true anomalous behavior, which you might want to block, and an application that features an unusual pattern but is still considered legitimate.
- **Customizable Signatures** – UltraWAF's policy editor let's you create your own rules in a variety of formats and provides the option to continuously add new threats (signature protection for CVE and CWE, such as CMS vulnerabilities, etc.) captured by the Neustar threat research team.
- **Seamless Management** – An easy-to-use online portal lets you seamlessly manage all of your web security needs from one place, regardless of where your applications are hosted. You can make configuration changes instantly, and reporting/logging capabilities allow you to analyze the effectiveness of your website and application security.
- **Secure Control** – UltraWAF uses a Hardware Security Module (HSM) to provide secure key storage for your digital certificates, protecting your applications even when using encrypted payloads.
- **Standalone or Can Augment On-Prem WAF** – Your on-prem WAF is highly tuned and constantly updated by your in-house security experts, who know your applications best. UltraWAF augments the effectiveness of your existing on-prem WAF investment by filtering out bad traffic from the public cloud before it reaches your network. This reduces the overall traffic load on your on-prem devices, which can then be focused more precisely. Neustar also delivers the experience of our seasoned SOC team to help you mitigate attacks on encrypted and application-layer traffic.

Key Features

- Request & Protocol Validation
- Cross-Site Scripting Attacks
- SQL Injection Attacks
- Geo Blocking
- IP Block/Allow Lists
- HTTP/s Rule Sets
- SSL-Based Protection
- Virtual Patching
- Learning Mode
- Real Time Reporting & Monitoring
- Custom Signatures

To learn more, visit www.home.neustar/application-security

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