



Web Application Firewall as a Service

Unattended firewalls won't protect for long, and finding time to support them can seem impossible.

Dealing with malicious attacks to your systems takes time and commitment, not just in handling each breach but in the identification of an attack, which may be hidden amongst legitimate traffic. Inadequately supported systems are often overwhelmed by the load, resulting in slow connectivity for end users. This is just the front end of the problem; behind the scenes, many poorly-maintained firewalls have trouble mitigating bot attacks and offer poor load balancing in the new hybrid/multi-cloud environment. A busy IT support team may not have the time for thorough incident diagnosis, and few solutions on the market today offer truly 'granular' control of a security solution.

NTT Security's Web Application Firewall as a Service (WAFaaS) is specially designed to handle these problems. A worldwide managed service supporting your online business requirements, WAFaaS provides a comprehensive solution to the broad range of issues inherent to managing a complex security network, including:

- Web security – threat detection and prevention (vendor native)
- Denial of service for web and network-based attacks

NTT Security Web Application Firewall as a Service provides:

- Distributed Denial of Service (DDoS) attack protection against website, infrastructure, single IP address, and name server, through web-based cloud services.
- Content Delivery Network (CDN) and optimizer services, benefiting web servers with a 40-70% reduction in bandwidth consumption, and a 50% acceleration in website browsing.
- Load balancing and failover from the cloud, supporting your application/server availability deployed in hybrid cloud environments.
- Management and maintenance by experienced security engineers in our Security Operations Center (SOC), supplemented by highly-trained security experts as an extension of your own in-house IT team.
- High level network access and information availability, integrity, and privacy.
- Detailed real-time and historical views of the performance, security, configuration and availability of all websites, name servers and traffic managed by the service.

Benefits of WAFaaS:

- Advanced WAF technology
- Management portal
- Dedicated SOC (24/7, 365 support)
- Service level to suit individual needs
- Improved responsiveness and performance
- Reduced costs
- Proven resilience

Standard

The Standard service is ideal if you require minimal support to your infrastructure. Our service analyst interaction utilizes automated detection for high confidence security incidents. Notifications come directly from the cloud service via the client email address specified by you during the CSSD process. You can select from the following categories for automated real-time email notification:

- Website threats
- Load balancing alerts
- Infrastructure protection status

A weekly report of summary activity is provided, along with access to the WAF as a Service portal that includes visibility to 90 days of events. You will have the ability to generate a PCI report or define a schedule to email (weekly, monthly, quarterly), and have access to the NTT Security Portal for the necessary service management purposes.

Enhanced

The Enhanced service is specially designed for those users who require customization of alerts or correlation from other NTT Security services. **All services offered under Standard are already included in this offering.** Events generated from the cloud are further processed by NTT Security; the service uses customized rules and an anomaly-based detection and compliance profile to identify/report on the following categories of security incidents:

- **Security Best Practice** - events that indicate a deviation from a pre-defined baseline of NTT Security's definition of security best practice.
 - **Business Policy Compliance** - events that indicate a deviation from a pre-defined baseline of an organization's custom business policy compliance requirements.
- To ensure service quality, NTT Security continuously makes detection tuning decisions based on the validity and relevance of service generated events and security incidents. Our Enhanced offering includes:
- **Standard or Compound Rules** – up to 15 can be developed and implemented annually.
 - **Analyzers** – up to five can be implemented annually for Enhanced clients.

Figure 1: Features of NTT Security's Standard and Enhanced WAFaaS offerings

Service Features	Standard	Enhanced
Security Analyst Interaction		✓
Client Notification	✓	✓
Portal and Reporting	✓	✓
Customization of Monitoring and Alerting Rules		✓

About NTT Security

NTT Security is the specialized security company and the center of excellence in security for NTT Group. With embedded security we enable NTT Group companies to deliver resilient business solutions for clients' digital transformation needs. NTT Security has 10 SOC's, seven R&D centers, over 1,500 security experts and handles hundreds of thousands of security incidents annually across six continents.

NTT Security ensures that resources are used effectively by delivering the right mix of Managed Security Services, Security Consulting Services and Security Technology for NTT Group companies – making best use of local resources and leveraging our global capabilities. NTT Security is part of the NTT Group (Nippon Telegraph and Telephone Corporation), one of the largest ICT companies in the world. Visit [nttsecurity.com](https://www.nttsecurity.com) to learn more about NTT Security or visit www.ntt.co.jp/index_e.html to learn more about NTT Group.