

Network Edge Protection Services

Focus on your core business with Managed Network Edge Protection

Secure your website with Atlantic.Net's Managed Network Edge Protection Service. Consisting of our web application firewall (WAF), content delivery network (CDN) and web optimization, our all-inclusive package helps you stay focused on your core business. Coupled with your choice of hosted infrastructure, Atlantic.Net can help you achieve your business goals. We provide the following services:



DDoS Protection

Denial-of-service (DoS) attacks are cyberattacks where the perpetrator interrupts an authorized user's access to a computer network. These attacks have become more frequent and more complex to include distributed (DDoS) and, more recently, distributed reflector (DRDoS) attacks. DDoS and DrDoS attacks involve a large number of computers that have been hijacked and networked into a botnet, making the attack more efficient and finding the source much harder.

Such methods of penetrating the network's periphery are so complex that traditional on-site methods of prevention no longer work. Atlantic.Net's Managed Network Edge Protection Service is highly focused on making sure that DDoS, DrDoS or any type of service denial attacks never reach your website. Our DDoS protection architecture has been designed and deployed to contain and repel the most advanced methodologies launched with the intent to compromise. Our robust service will protect your website from any attacks, including the ones that target UDP and ICMP protocols, as well as SYN/ACK, DNS amplification, and application layer attacks.

Atlantic.Net's DDoS protection pricing is fixed to prevent traffic volume fluctuations from a DDoS attack from affecting your monthly charges. Our primary objective is always your safety and satisfaction.



Robust Web Application Firewall

Atlantic.Net's Network Edge Protection begins with our web application firewall (WAF), which looks for suspicious web traffic activity. It automatically filters out illegitimate traffic based on rule sets that Atlantic.Net applies for you or custom rulesets that you request. The WAF looks at both GET and POST-based HTTP requests and applies a ruleset, such as the ModSecurity core rule set covering the OWASP top 10 vulnerabilities to determine what traffic to block, challenge, or let pass. The WAF also blocks comment spam, cross-site scripting attacks, and SQL injections.

Our web application firewall protects your website from attacks, including zero-day vulnerabilities, without compromising performance, while also fulfilling PCI compliance requirements for online merchants. Besides covering the vast majority of vulnerabilities, it allows for customization of rules to shield you from explicit attacks. Its implementation does not require any changes to your network architecture.



Website Optimization

Atlantic.Net's web optimization streamlines the loading of your content by bundling JavaScript files, minimizing network connections, and dramatically compressing the size of your resources to boost performance. In addition, we utilize the extensive network built by our team to route traffic via the least congested areas.

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Our goal is to ensure that the various content types, including third-party resources, embedded in your site don't compromise loading time, regardless of the network or device used to access the content.

Taking advantage of these services is fast and easy and does not require any changes to the code or additional hardware deployment. Features include:

- ✓ Automatic HTTPS rewrites to increase performance and security by rewriting insecure URLs dynamically
- ✓ Automatic content caching to intelligently cache objects needed to render your site properly and efficiently
- ✓ Accelerated mobile links which drastically improve mobile page loading
- ✓ Automatic minification which removes unnecessary characters from HTML, CSS, and JavaScript to enhance performance

Choose any combination of these web content optimization features to take the performance of your applications to the next level.



Seamless Content Delivery Network (CDN)

With our servers positioned across key global points, Atlantic.Net's vast network allows for your content to reach your customers with an unparalleled speed and reliance. Our lightweight infrastructure with integrated load balancing and built-in failover preserves performance while boosting security. Our smaller footprint allows for optimal utility of power and cooling systems while preserving the integrity and seamless flow of your data.

As information travels, our content delivery network caches data and routes traffic according to server proximity, enabling users to reach your content in no time, no matter their location. The system is easy to set up and offers affordable and predictable pricing.

We designed our platform with the future in mind. Our network is continuously revamped to integrate with the most innovative solutions and emerging technologies on the market. Our mission is to guarantee 100% uptime, while giving you access to state-of-the-art solutions.



Find Out More?

Atlantic.Net stands ready to help you attain fast compliance with a range of certifications, such as SOC 2 and SOC 3, HIPAA, and HITECH, all with 24x7x365 support, monitoring, and world-class data center infrastructure. For faster application deployment, free IT architecture design, and assessment, visit us at www.atlantic.net, call **888-618-DATA (3282)**, or email us at sales@atlantic.net.