



Dynamic Web Acceleration

Acceleration of non-cacheable dynamic content

Efficient

Use of Server Resources

Ensures the most efficient use of server resources

Optimal

Performance

Delivers optimal performance over long haul segments of the Internet

Optimize

API Performance

Dramatically improves the performance of APIs

CDNetworks is a global content delivery network (CDN) with fully integrated Cloud Security DDoS protection and web application firewall. Our mission is to transform the Internet into a secure, reliable, scalable, and high-performing Application Delivery Network. CDNetworks accelerates more than 40,000 websites and cloud services over a network of 169 global PoPs in established and emerging markets including China and Russia. We have been serving enterprise customers for 15 years across industries such as gaming, finance, ecommerce, high tech, manufacturing, and media. CDNetworks offices are located in the U.S., UK, South Korea, China, Japan, and Singapore. For more information, please visit: <http://www.cdnetworks.com>.

Product Benefits

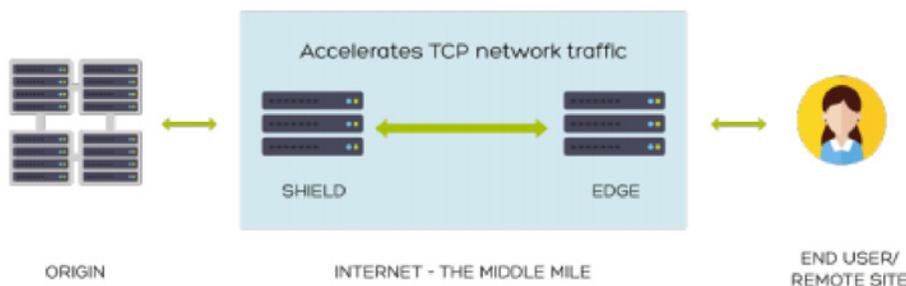
Dynamic Web Acceleration optimizes the middle-mile for more efficient delivery of non-cacheable, changing content. By connecting to a local point of presence, users get a faster and more reliable connection.

- Improves performance at the application layer.
- Ensures the most efficient use of server resources.
- Delivers optimal performance over long haul segments of the internet.
- Decreases the load on customers' expensive application server database assets.
- Eliminates protocol overheads caused by the properties of TCP and HTTP.
- Dramatically improved the performance of APIs.
- Speeds up SAP and BMC Remedy installations.

Dynamic Web Acceleration

Dynamic Web Acceleration uses an optimally-tuned TCP/IP stack across the 'middle mile'. By increasing throughput and using a pool of connections, it significantly increases performance across high-latency networks - necessary to maintain the request/response nature of dynamic content. This improves application performance for the user, and also ensures a more efficient use of server resources, decreases the load of server database assets, and eliminates protocol overhead.

Dynamic Web Acceleration not only improves performance, but increases the load that SAP and BMC Remedy installations can handle, while eliminating errors caused by connecting from the public internet - vital for mission-critical applications.



By using an optimally tuned TCP stack across the middle-mile, our Dynamic Web Acceleration solution transparently reduces response time. Our standards-compliant solution is designed to address high-latency networks and the request/response nature of dynamic content, while maintaining all the beneficial features of standard transfer protocols. By increasing the TCP throughput and maintaining a pool of open connections, Dynamic Web Acceleration significantly reduces the number of round-trips between the end user and application server, accelerating the response time and providing a LAN-like experience.

Product Features

Application Layer Acceleration: Caching, compression, load balancing, SSL offloading are all optimized, plus a complete suite of HTTP acceleration techniques.

Connection Management: Proactive management of the connection between the CDN and servers.

Advanced Protocol Stack: The latest advances in TCP research to improve throughput and advanced techniques that reduce packet loss.

Load and Turn Reduction: Aggregates connections through Origin Connection PoPs while reducing the number of unnecessary back-and-forth transfers between the end user and web server.

SSL Offload: Acts as an efficient front-end processor to manage SSL connections and requests.

3rd Party Content Optimization: Shortens user first contentful paint (FCP) time and overall page loading performance by optimizing the way that page resources are rendered and rewriting/caching 3rd party contents.

WebSocket: Full-duplex communication channel over a single TCP connection, which allow end users obtain data from the server in real time.