

# Content Delivery Network

A global CDN with unique performance optimization capabilities

**BLOCKDOS**  
Your Business, Our Protection

Blockdos provides a global content delivery network (CDN) with unique performance optimization capabilities: we cache static content, accelerate dynamic content, and make it easy to optimize outbound content. Blockdos goes beyond a traditional CDN because, in addition to bringing your content closer to your site's visitors, Blockdos also optimizes content for device, browser, and bandwidth needs. We've built a best-in-class, global infrastructure from the ground up using only next-generation, high-performance equipment—no legacy software or hardware. The result is a CDN that's easier to set up, more affordable, and built to outperform any legacy CDN on the market.

## Global Distributed Network

We have created a purpose-built network for today's web. Our global network stands out from legacy CDNs in both performance and security capabilities. Our CDN is unique because it is a massive horizontally scaled architecture in which every node can perform DNS requests, security checks, and performance transformations. Additionally, Blockdos employs Anycast routing to ensure web users are automatically routed to their nearest data center and around any failures. The combination of this architecture and network produces a reliable, high-performance service.

## Static Content Caching

Blockdos is a zero configuration CDN. As soon as you activate your site on Blockdos, we cache your site's static content by default. Our CDN caches more than 35 file extensions automatically, and allows users to write page rules to extend the list of file extensions we cache. Blockdos serves site requests directly from cached content in whichever data center is physically closest to a site visitor, and because Blockdos has data center presence around the world, this means that whether you are in Dubai, London, New York, Brazil or Cape Town, web pages are delivered quickly, even when the origin web server is thousands of miles away.

## Technical Benefits

- **102 PoPs globally** with continuous growth in our network
- **Instant Deployment** - we have a zero configuration CDN
- **Custom page rules for cache** & cache keys including custom TTL
- **Modify HTTP requests** on the fly with zero latency
- **Dynamic Content Acceleration** by advanced compression algorithms
- **Detailed reports** including web crawler traffic, threats and bots

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## Custom Caching Management

Blockdos allows you to write page rules to cache HTML content for specific URLs directly in our administrative control panel. Use cases for page rules could be creating a directory for static content, appending a unique file extension to static pages, or adding a query parameter to mark HTML content as static. You can also create custom cache keys allowing you to cache a different version of your page based on browser language, cookie, or any arbitrary HTTP request header. For example, a cache key rule can be implemented that would require Blockdos to serve different content for logged in, versus not logged in users. Caching settings such as expiration time, or time to live (TTL), can be customized for each page rule. All configuration changes take effect immediately around the globe.

## Edge Side Code

Blockdos's system is built from the ground-up for performance and scalability. With Edge Side Code, Blockdos deploys powerful logic for customers to alter HTTP requests and responses on the fly – without added latency. Any part of a request or response can be altered according to a customer's rules, enabling a range of options to tightly integrate Blockdos's edge into applications, which improves serving performance for users.

## Dynamic Content Acceleration

Dynamic Content Acceleration accelerates and caches previously uncacheable web pages so that even if the origin server must be consulted, web pages are delivered quickly. It even works for rapidly changing pages like news sites and personalized content. For dynamically changing sites, the boilerplate HTML is the same with only small pieces of content changing (such as a person's Twitter timeline or Facebook news feed). This means there's a huge opportunity to compress web pages for transmission if the unchanging parts of a page can be detected, and only the differences transmitted.

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## Front end optimization and client intelligence

Blockdos customers can use our one-click features to perform a wide range of content optimizations from removing unnecessary characters from HTML, CSS, and JavaScript, to reducing the number of connections needed to serve 3rd party widgets (e.g. Facebook, Twitter, ad servers, etc). Blockdos automatically detects the type of browser and connection a visitor is using, and delivers your content the fastest way possible. Your pages look the same as they did before, including any mobile version, but they are optimized for the web visitors' desktop or mobile environment.

## Reporting

Blockdos provides insights to website traffic that cannot be obtained from other analytics programs. In addition to visitor analytics, customers can monitor threats and search engine crawlers. We display the analytics report in a user friendly, easy-to-read interface. Traffic to a site can be sorted by time, visitor type, and traffic types. Blockdos includes the geographic location of a site's visitors allowing businesses to see which countries their visitors come from. Our personalized analytics reports also include exact speed benefits and savings from when the site transitioned to Blockdos.



## **BLOCKDOS** Your Business, Our Protection

BlockDoS is a leading Canadian organization, established in 2005 as the most Secured Dedicated Hosting and Distributed Denial of Service (DDoS) Mitigation Service provider. We guarantee 99.9% uptime SLA on Enterprise Protection solution. Once your website is secured by BlockDoS, all the traffic will be routed through our global network of high-powered servers that inspect all incoming traffic, keeping hackers out while accelerating your traffic. BlockDoS delivers state of the art IT security solutions and excellence in business performance by ensuring a high level of security of the IT services; delivering a cost effective and sustained level of security that is aligned with needs of our clients; and developing and maintaining high levels of confidentiality, integrity and availability.