

SP// CDN

STACKPATH™

Deliver far beyond your end-users' expectations.




End-users have you stuck between the cloud and a hard place. The assets that you need to deliver get larger, more dynamic and more diverse every day. Yet end-users expect them faster, more flawless, and more frequently than ever before.

Exceed those expectations without complicating operations, security or control. SP// CDN provides a comprehensive suite of built-in capabilities and policies ready to solve your most pressing delivery challenges, including content protection and asset optimization. Meanwhile, robust customization tools and features let you fine-tune your delivery's smallest details and even create your unique functionality and flows.





Put us in between you and your end-users' highest demands. Accelerate, optimize, and protect your workloads with SP// CDN.



Use Cases

-  **Content Acceleration**
Accelerate page loads, video and audio streams, API interactions and more to retain users, improve SEO scores, and reduce performance overhead that has kept you from creating richer end-user experiences.
-  **Large File Delivery**
Give end-users around the world fast and reliable downloads of large files like software and game installers, HD and 4K video and more, with advanced features including segmented file downloading and unlimited file sizes.
-  **Custom Content & Delivery**
Tailor content and the way it is delivered to individual users for highly personalized and highly optimized end-user experiences and exceptional performance, security, and control over how and where assets are delivered.

Benefits


-  **High-speed Performance**
Worldwide edge locations, redundant Tier-1 carrier connections, global Anycast, a private network backbone between all locations, and exceptional cache depth deliver your content to your end-users with an exceptionally low time to first byte (TTFB).
-  **Exceptional Security**
Content protection features, delivery control, DDoS attack mitigation, SSL, a private network backbone and other platform-wide security measures enable you to better protect content and operations, reducing the cost of business lost to downtime, theft and other malicious activity.
-  **Total Visibility and Control**
Built-in analytics and reporting, comprehensive standard policies that can be directly managed through our customer portal, a RESTful API, and customization options, including Serverless Scripting, give you full control and exceptional customization of the finest details.
-  **Lower Total Costs**
Altogether, our platform and products can help you reduce total bandwidth consumption, reduce downtime, and increase accessibility, leading to lower operational costs and optimizing your assets' monetization.

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Ready to get started? Visit stackpath.dev for technical documentation.
Request a demo at stackpath.com or contact us at sales@stackpath.com.




Features

-  **Custom Rules Engine**


Our easy-to-use CDN rules engine lets you create your own policies and automate unique content and delivery behaviors, including how requests are handled and how and what content is delivered. Pre-built EdgeRules™ are ready to use as-is, to customize, or use as templates for your own, including rules to:

 - Force HTTPS Connections
 - Force www Connections
 - Custom Robots.txt
 - Referrer Protection
-  **Advanced Cache Controls**


Our extensive cache control features make it easy to fine-tune your CDN behavior to have superior content availability, control and delivery flexibility. They include:

 - Cache Vary Header Support
 - Browser Cache Time to Live Control
 - On-Demand Cache Purge
 - Query String Control
 - Asset Lifetime Control
 - Dynamic Caching by Header
-  **Real-time Analytics**

SP// CDN provides full-time reporting on key CDN, content and origin performance variables including:


 - Bandwidth Usage (bps)
 - Requests
 - Delivery by Geo/Network
 - Cache Hit Ratio
 - Request Hit Ratio
 - HTTP Status Codes
-  **Built-in Asset Optimization**


SP// CDN includes essential and unique optimization tools to simplify keeping your content ready to deliver, including:


 - GZIP Compression
 - Large File Segmentation
 - Canonical Header Insertion
-  **SSL Certificate Management**

Our platform lets you move the burden of SSL from your origins and reduce the performance costs of SSL encryption by serving your certificates from the edge. Use your own private SSL certificate uploaded to the StackPath Control Portal, or a free private SSL certificate provided by StackPath.

Extensions

-  **Direct Connect**

Built for workloads with large traffic volumes and high-frequency origin calls, Direct Connect gives you a high-speed, high-security express lane for ingress and egress traffic. Bypass the public internet to reduce bottlenecks and congestion, minimize hops that add latency and are potential points of packet loss or corruption, decrease exposure to malicious activity and threats, and lower your total transit provider costs.
-  **Origin Shield**

Activating Origin Shield provides even more origin protection and delivery optimization by aggregating, deduplicating, and consolidating requests from multiple edge locations. Reduce burden on origins and minimize origin bandwidth costs.
-  **Serverless Scripting**

Extend SP// CDN by building stateless applications on our global edge computing platform. Create unique workflows and capabilities that are always on, cost-effective and secure, without having to deploy or manage infrastructure on your own.