

Value and Maintain Control Over Your Video Delivery

To lower the total cost of ownership for content delivery across diverse audiences, network operators need effective control over traffic management and cost efficiency. With Synamedia's scalable Edge CDN solution, Fluid EdgeCDN, you can unlock exceptional content delivery benefits that set you apart.

Fluid EdgeCDN empowers you with cost savings through optimized resource allocation and seamless offloading to third-party CDNs, driven by advanced predictive traffic analysis. Experience unmatched dynamic scalability to support growing audiences and performance tailored to the unique needs of video-centric applications.

With a proven track record in live sports streaming, Fluid EdgeCDN ensures reliable, synchronized, and high-quality experiences. Designed for the evolving demands of today's streaming landscape, it integrates fully into Synamedia's robust video network portfolio, offering unparalleled control, adaptability, and monetization opportunities through retail and wholesale models.

Deliver high-performance streaming with confidence

Synamedia's Fluid EdgeCDN is a distributed system, enabling you to deliver immersive multiscreen video experiences to managed and unmanaged devices across telco, cable and mobile access networks. Flexible and robust, Fluid EdgeCDN allows you to scale from a few thousand streams to multi-million-user streaming events, while giving you full visibility and control over video delivery.

Supporting multiple services, including VOD, low latency live, TSTV, cloud DVR streaming, and secure download, Fluid EdgeCDN is a reliable high-performance and secure media delivery solution.

Monitor traffic to ensure high quality of service

Fluid EdgeCDN features powerful, customizable real-time analytics and monitoring to help you control operations and quality of service. Take advantage of the platform's range of preconfigured dashboard and report metrics – including capacity utilization, viewer distribution, content popularity, traffic pattern and leeching detection – or easily customize your own metrics and send ad hoc queries to troubleshoot network anomalies. Fluid EdgeCDN also supports the recent CMCD specification for quality of experience (QoE) monitoring.

Don't compromise on security

With content and service theft on the rise, Fluid EdgeCDN keeps pace with updated security standards, tokens and watermarking, and is hardened with the latest security patches.

Choose the right streaming protocol based on latency

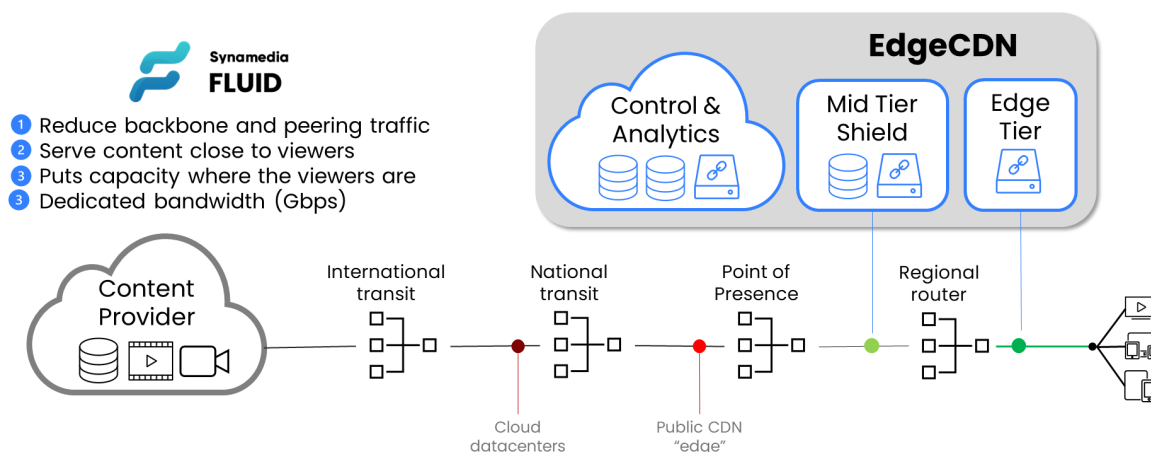
Fluid EdgeCDN supports multiple streaming protocols, including DASH-LL/HLS, enabling you to choose the streaming protocol that best matches your latency target. By leveraging your unique infrastructure while maintaining your same control and monitoring tools, you can switch seamlessly between different latency modes. These include low latency for watch parties, synchronized streams and broadcast-equivalent latency for regular viewing.

Optimize performance with Elastic Cache

The innovative solution also optimizes telco-CDN cost of ownership via Elastic Cache. When demand exceeds capacity, Fluid EdgeCDN uses cache server instances in local data centers (from cloud providers or other partners) to increase its footprint and meet demand. The mechanism ensures substantial cost savings, while yielding efficient infrastructure investments, enhanced throughput commitment, or optimal hardware resource utilization when deployed on customer on-prem servers.

Monetize by onboarding third-party streaming

Fluid EdgeCDN supports both retail and wholesales models so you can deliver your own streaming service or monetize the delivery of third-party OTT streaming.



Features and Benefits



Cover multi-tenancy and CDN wholesales scenarios

- Maintain dedicated access to CDN configuration and analytics to enable control
- Use open-caching interface to automate configuration and traffic negotiation until delivery



Monitor quality of service and maintain control over video delivery

- Leverage real-time, high-performance management, monitoring, alerts, and analytics to improve quality of service
- Use predefined standard graphs and report metrics or customize your own metrics to gain deep insights and rapidly troubleshoot
- Meet the recent CMCD specification to receive client analytics



Ensure highly secure delivery

- Use the latest generation of security tokens to stay one step ahead of hackers
- Use A/B watermarking at the Edge to blacklist pirates
- Add the most recent security patches to keep your video delivery secure continuously



Harness flexible offering across small-to-large topologies

- Take advantage of scalability to ensure outstanding performance for mass audiences
- Support Low Latency HLS and Dash Low Latency to deliver content at broadcast TV-like quality experiences
- Handle all major adaptive bitrate (ABR) streaming formats across unicast and multicast to provide high-quality video



Leverage Synamedia service expertise

- Choose from self- to fully operated service to maintain right level of operational flexibility
- Take advantage of expert care services to receive ongoing, focused assistance
- Seamlessly integrate with Synamedia's end-to-end video network portfolio to streamline your service

Highlights

- Scales up and down, while maximizing Gbps per watts
- Offers native support of retail and wholesales models for monetizing CDN
- Manages costly peak with the elegant and efficient Elastic Cache module
- Features watermarking and common access token (CAT) security to fight piracy
- Improves quality of service with real-time analytics from a CDN and from clients

About Synamedia

Synamedia delivers, enriches, and protects video. Our cloud-native and SaaS solutions empower customers to scale and monetize video services efficiently, ensuring low-latency delivery and exceptional image quality. Our Video Network portfolio includes video distribution, streaming, Edge CDN and multi-CDN management, monetization, ad insertion, cloud DVR (cDVR) and time-shift TV, video compression and processing, and cloud and IP transition.

Next Steps

To learn more or to book a demo, [contact us](#).