

Varnish Streaming Server

Deliver fast and reliable live, OTT and VoD streaming video to keep people watching

Varnish Streaming Server helps high-traffic streaming services reduce latency, scale easily, protect backend servers and provide ultra-fast streaming experiences to huge audiences.

It's a caching layer that sits in front of backend servers to shield them from traffic while delivering the high-quality, stable video streaming that viewers demand, whether it's live, OTT or on demand.

The Streaming Server advantage

1. Transfer more data to more people, faster

Throughput - Hit upto 500Gbps from a single standard server

Scale - Handle 100K requests per second, easily

Speed - 100µs average server response time

2. Fetch content once to protect servers and boost speed

Streaming Server combines similar requests so that only one for each video segment hits origin servers and clients receive responses immediately. It also predicts the next object and pre-fetches it, enabling high-performance, smooth VoD.

3. Move content closer to people, wherever they are

Streaming Server includes the Varnish Massive Storage Engine, enabling edge caching of 100TB+ datasets and unlimited-sized objects, for fast video delivery and cache persistence across restarts.

Who uses Varnish Enterprise?



hulu



sling

sky

Streaming Server performs exactly as promised, and that is the benefit. Things will not break, regardless of traffic spikes. We launched it right before streaming a big sports event, and it worked flawlessly

- Adam Palmblad, TV Architect, Com Hem

Varnish Enterprise Benefits

Boost performance

Load web pages at least twice as fast, and stream video at up to 500Gbps.

Protect infrastructure

Up to 99% backend offload, with a significant drop in CPU and memory usage.

Satisfy every user

Responsive, latency-free content, automatically optimized for devices.

Control operating expenses

Less backend load means less downtime and fewer backend servers required

Stay online at scale

Stay resilient with high availability and persistence, including multi-terabyte edge storage.

More traffic, less bandwidth

Improved organic traffic and SEO thanks to much faster content delivery.

Secure all data

Improve resilience and secure user data with end-to-end TLS, cache encryption and a WAF

Be more efficient

Replace multiple solutions with a single tool, for caching, load balancing, traffic routing and more.

Deliver everything, everywhere

Cache, store and deliver objects of almost any size, including for live video.

Support and Professional Services

Varnish Enterprise comes with 24x7x365 support provision, plus access to short SLAs, technical expertise, long-term software lifecycles and managed updates. Professional services are available for planning, sizing and implementing the technology in any environment, and for optimization once deployed. Security updates are backported for long-term protection, and a team of world-leading Varnish experts is always available for day-to-day troubleshooting.

About Varnish Software

Varnish Software's powerful caching technology, Varnish Enterprise, is available for on-premise, cloud and hybrid infrastructure and is packaged into three solutions: Streaming Server, Private CDN and Web and API Acceleration. Founded in 2010, Varnish Software has offices in Oslo, Stockholm, London, New York, Los Angeles and Paris.

www.varnish-software.com

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