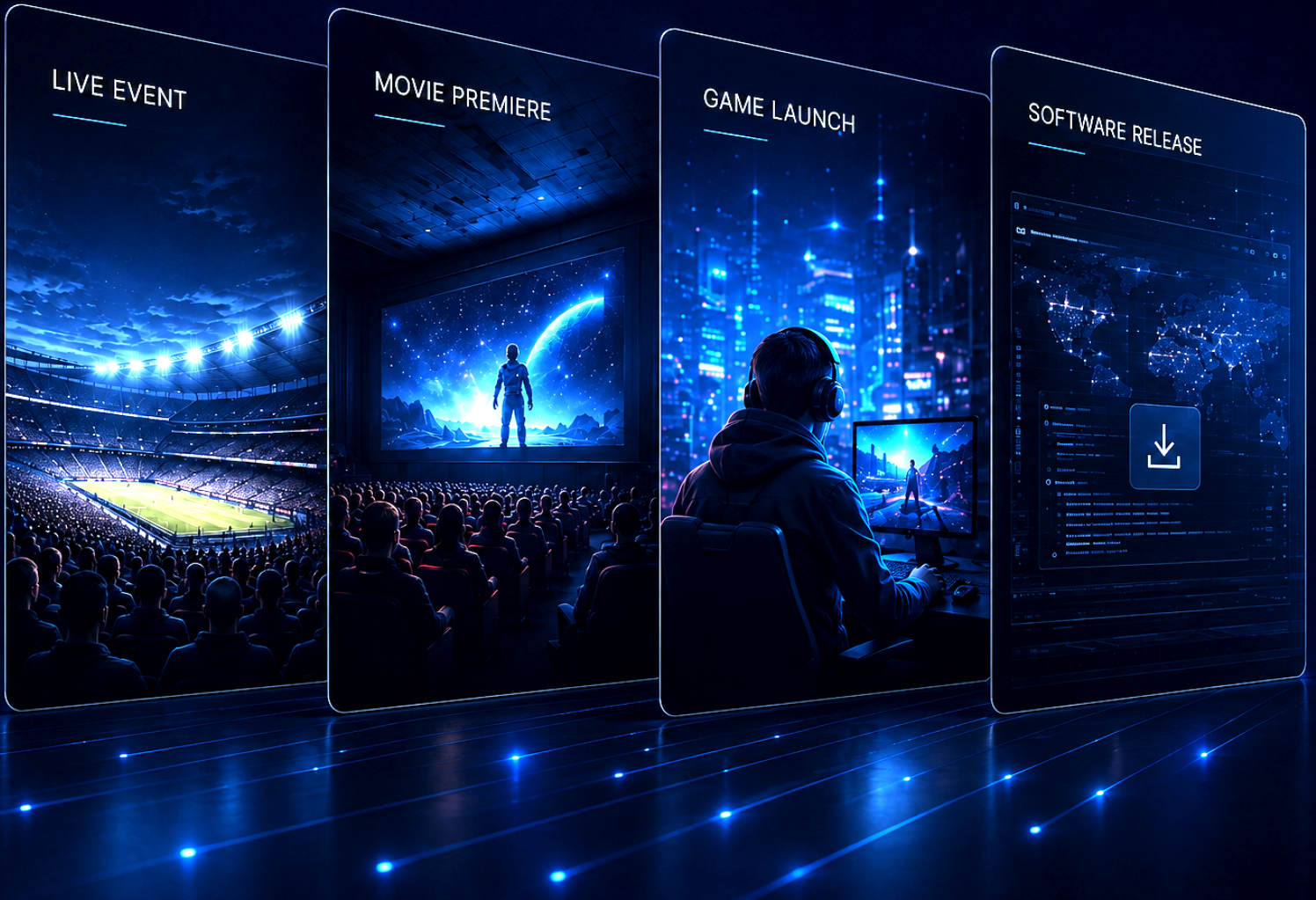




PRODUCT BRIEF

Netskrt CDN Architecture

Netskrt Overview

The Netskrt Content Delivery Network (CDN) operates globally and is focused on delivering premium live sports, video-on-demand (VOD), software downloads, and large-scale digital payloads for some of the world's most demanding content brands. Netskrt currently operates a rapidly expanding footprint approaching 100Tbps of delivery capacity spanning North America, Latin America, Europe, and Asia Pacific. This footprint includes traditional centralized points of presence (POPs), deeply deployed edge infrastructure, and embedded deployments located directly within service provider networks. This diverse architecture enables Netskrt to deliver superior quality of experience (QOE) while maintaining centralized operational visibility and control.

Live Changes Everything

While streaming, over-the-top video has been part of the internet landscape for quite some time, live streaming of tier one sports events is a more recent addition, upsetting traditional delivery architectures. Unlike VOD, live streaming entails large traffic peaks, with peak-to-average bandwidth ratios as much as ten times those of conventional streaming. Additionally, massive concurrency, unforgiving quality expectations, and extremely tight latency requirements all contribute to the need for a different kind of CDN architecture. The Netskrt CDN is specifically engineered for this environment.



The Netskrt CDN Architecture

Built on a software-defined architecture, the Netskrt CDN continuously learns, measures, and optimizes delivery paths, enabling superior performance, resiliency, and operational flexibility. By adding hardware awareness, network intelligence, edge deployments, and dynamic traffic steering, this architectural approach ensures the highest possible QOE for every viewer.

Software-Defined Delivery

Netskrt's software-defined architecture allows the platform to scale rapidly while maintaining operational consistency. This architectural flexibility allows Netskrt to expand coverage efficiently, place infrastructure where it creates the greatest customer value, and adapt to the unique requirements of individual content providers.

Network Intelligence and Request Routing

Advancing beyond traditional relatively static CDN architectures, Netskrt continuously evaluates network conditions, route quality, capacity availability, congestion levels, and achievable service levels. The platform actively learns from real-world traffic patterns and network telemetry, allowing routing decisions to adapt dynamically as conditions change.

This capability is particularly valuable during high-profile live events where audience demand can change dramatically within minutes. Netskrt continuously balances load, redirects traffic when necessary, and selects the most appropriate delivery location to maintain performance objectives.



Network Intelligence Behind Every Stream

Netskrt's control plane continuously builds and maintains an understanding of the networks it serves through active measurement, route analysis, and traffic observation. This intelligence enables:

- Verified and continuously monitored network prefixes
- Real-time request validation and traffic classification
- Dynamic traffic steering to manage high peak-to-average demand spikes
- Intelligent capacity management for large-scale live events
- Continuous optimization of delivery paths
- Automated avoidance of congestion and network impairments
- Rapid footprint expansion to address coverage gaps and customer requirements

The result is maximization of service availability and consistently delivers high-quality user experiences across a diverse range of network environments.

Enterprise CDN Services

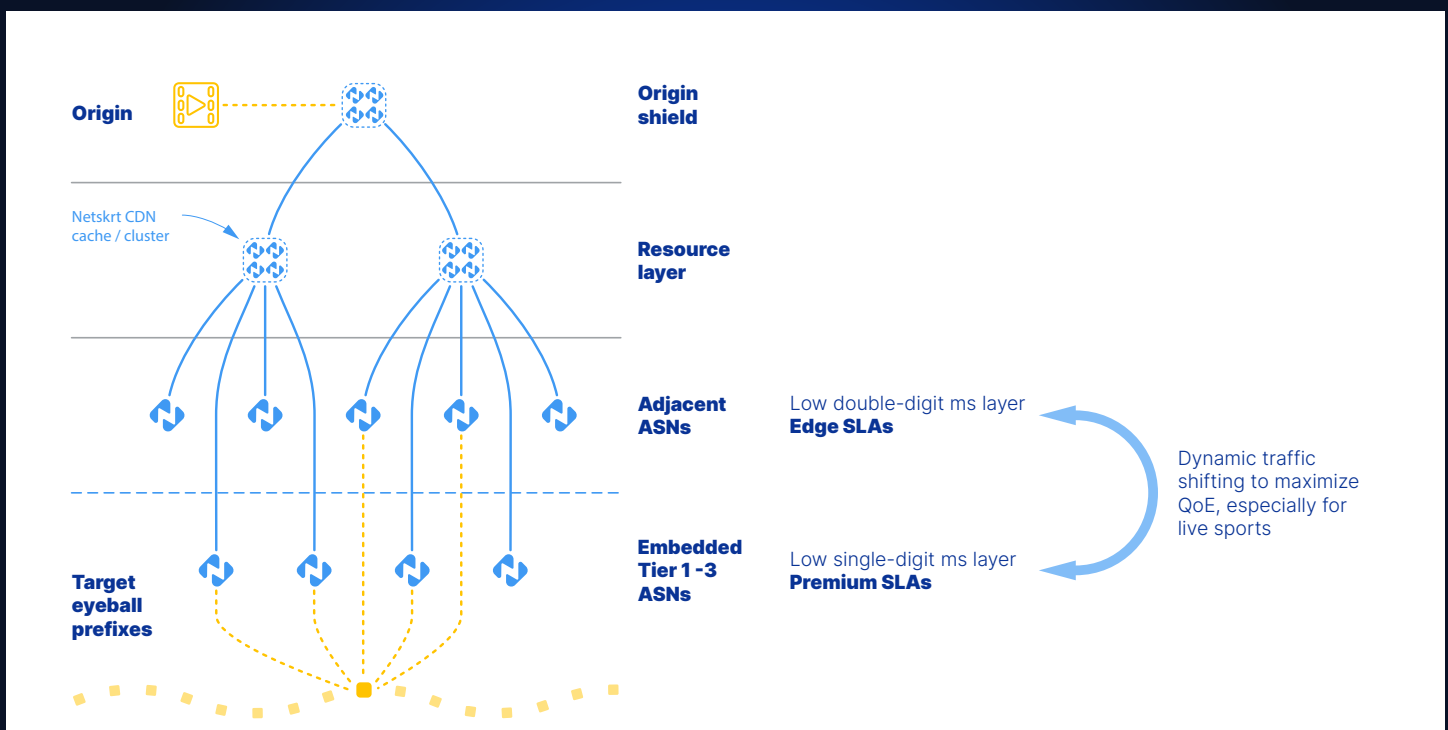
While Netskrt's underlying technology differs significantly from traditional CDN architectures, the customer experience aligns with established CDN operational practices and workflows.

Platform capabilities include:

- Configuration management
- Tokenization and content security
- SSL/TLS certificate management
- Content purge and cache management
- Origin shield services
- Customer portal and APIs
- Real-time logs and analytics
- Usage reporting and billing
- 24x7 Network Operations Center (NOC) support

Netskrt also works closely with customers to develop custom features and integrations that address unique operational and business requirements.

Figure 1: Netskrt CDN Architecture



Beyond Infrastructure

Building a CDN requires far more than deploying servers and network capacity. Success depends on operational discipline, ecosystem integration, customer trust, and the ability to support content delivery at global scale.

Netskrt has invested in the complete operational platform required to support leading content owners, including:

- Integration with modern streaming and content delivery workflows
- Secure content delivery and rights protection
- Sophisticated request routing and traffic engineering systems
- Analytics, reporting, and billing infrastructure
- Operational processes for onboarding and support
- Service monitoring and incident response
- Long-term partnerships with content providers and network operators

For customers, Netskrt presents a familiar and mature CDN operating model while delivering the benefits of a fundamentally more intelligent delivery architecture. This allows content owners to adopt Netskrt without disrupting existing workflows while benefiting from improved delivery performance, enhanced routing flexibility, and expanded reach into challenging network environments.

Security, Compliance, and Reliability

Netskrt is committed to meeting the operational, security, and compliance requirements of leading global media and technology organizations.

Current certifications and compliance initiatives include:

- SOC II Type 2
- ISO 27001 certifications
- GDPR compliance

Conclusion

By combining a software-defined architecture, intelligent network awareness, dynamic request routing, and a rapidly expanding global footprint, Netskrt delivers a next-generation content delivery platform capable of meeting the performance, scale, and reliability requirements of today's largest content owners.

