

Akamai Direct Connect:

Private connectivity for highly reliable, secure, and cost-effective first-mile transit into the Akamai platform



Akamai Direct Connect provides a private connection between a video provider's data center and the Akamai Intelligent Edge Platform for a more deterministic entry point that provides higher performance and lower costs for transit of linear and on-demand video content.

Improve Reliability at the First Mile

As audience expectations around online video playback quality continue to rise, online video providers are increasingly looking to enhance service reliability and serve a more nuanced viewer experience while maintaining costs around transit. Internet congestion also can impede with first-mile transit, impacting stream efficacy and driving up IP transit and origin costs.

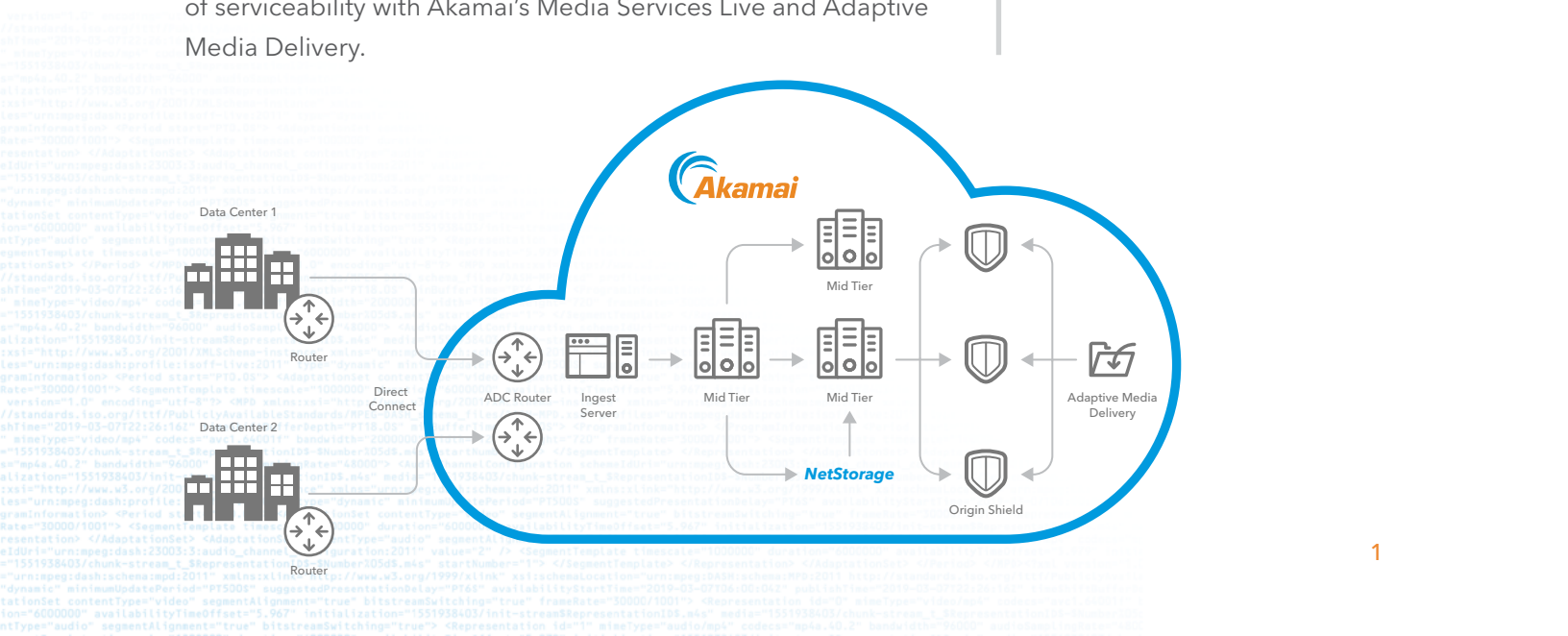
Broadcasters and OTT video providers can now achieve added assurance for stream ingest through a private connection between a router, the data center, and Akamai.

Akamai Direct Connect (ADC) is a secure and reliable connection to the Akamai infrastructure without using a third-party IP transport provider. It provides private connectivity between the Akamai network and a router in an on-premises data center or colocation environment.

Use cases include live and on-demand streaming for high levels of serviceability with Akamai's Media Services Live and Adaptive Media Delivery.

BENEFITS

- **Reduce transit costs** by replacing IP transit with a cross connection
- **Protect origin infrastructure** by limiting public connectivity
- **Improve origin request performance** using a dedicated direct connection to the Akamai platform
- **Enhance service predictability** with a highly reliable first-mile transfer



Akamai Direct Connect

Reliable, secure, and cost-effective first-mile transit

Mitigate the Challenges and Costs of Streaming Video

Akamai Direct Connect reduces costs and supports reliability for video providers that:

- Operate their own infrastructure and routers
- Are sensitive to transit costs of origin traffic
- Are concerned about exposing their origin to the Internet
- Rely on availability and performance

Adaptive Media Delivery

Akamai's Adaptive Media Delivery provides secure streaming media delivery from Akamai's globally distributed content delivery network. The solution is optimized for adaptive bitrate (ABR) streaming to provide a high-quality viewing experience across a broad variety of network types – fixed or mobile, at varying connection speeds. Adaptive Media Delivery reliably delivers prepared, pre-segmented HTTP-based live, linear, and on-demand content, as well as music streaming, supporting delivery across today's popular streaming formats including HLS, DASH, HDS, and Smooth to a corner. Lack of automated updates and management guarantees higher operating costs. Limited support channels and expertise can leave you without help when you need it the most.

Media Services Live

Media Services Live (MSL) is a cloud-hosting service designed for preparing live streams online to be as close to broadcast-level quality as possible. Akamai's purpose-built architecture offers several key capabilities, known as liveOrigin, that operate in concert to support quality levels expected of broadcast television for live and simulcast streaming. These capabilities bridge the gap between live streaming and broadcast to provide unmatched consistency, quality, and reliability of viewing experience for online audiences at scale.



Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone – and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit www.akamai.com, blogs.akamai.com, or [@Akamai](https://twitter.com/Akamai) on Twitter. You can find our global contact information at www.akamai.com/locations. Published 09/19.