

AKAMAI PRODUCT BRIEF

Akamai Direct Connect

Reliable, high-performance, secure, and cost-effective direct first-mile connectivity to Akamai for critical enterprise and consumer applications

Global audiences are demanding, and they increasingly expect high-performance, high-quality, and interactive multimedia content and applications.

These expectations drive a need for higher bandwidth, lower latency, and predictable network infrastructure. Relying on the public internet for first-mile connectivity between Akamai and your data centers introduces risk into your services and applications that is difficult and expensive to manage.

Whether you are a multimedia web experience provider, a broadcaster, or an over-the-top video provider, replacing the public internet with a dedicated connection between your data centers and Akamai provides the assurance you need to be confident in delivering the experiences your customers expect.

Improve reliability at the first mile

Akamai Direct Connect provides a secure and reliable connection between data centers globally and the Akamai Connected Cloud without using a third-party IP transport provider, improving the reliability and performance of web applications and linear or on-demand video content.

Use cases include web content delivery and live and on-demand streaming for high-quality performance using Media Services Live, Adaptive Media Delivery, and Ion.

High performance and reliable user experiences at scale

Akamai Direct Connect is a good fit for content providers that:

- Operate their own infrastructure and routers
- Require 24/7 high-performance network connectivity
- Are concerned about exposing their data centers to the internet
- Strive to deliver reliable, high-quality media or web experiences at scale

BENEFITS TO YOUR BUSINESS



Enhance service predictability with a highly reliable first-mile transfer



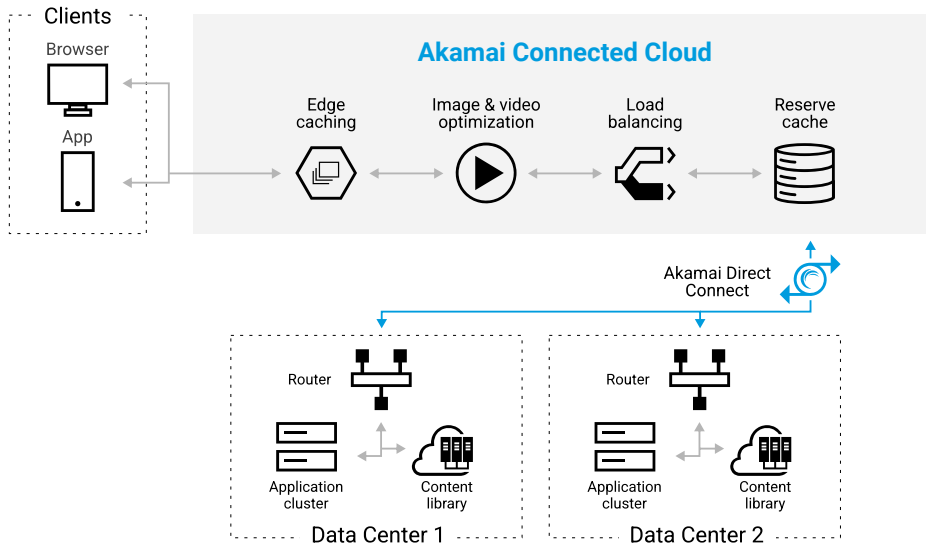
Improve origin request performance using a dedicated direct connection to the Akamai Connected Cloud



Protect origin infrastructure by limiting public connectivity



Connectivity with Akamai Connected Cloud



Akamai Adaptive Media Delivery

[Adaptive Media Delivery](#) provides secure streaming media delivery from Akamai's globally distributed content delivery network. The solution is optimized for adaptive bitrate streaming to provide a high-quality viewing experience across a wide 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.

Akamai Media Services Live

[Media Services Live](#) is a cloud 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 the 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 Ion

[Ion](#) is a suite of intelligent performance optimizations and controls that helps deliver a superior user experience. Built on the SLA-backed scalability of the global Akamai Connected Cloud, Ion continuously monitors real-user behavior and applies best practice performance optimizations. Ion automatically adapts to content, user behavior, and connectivity changes in real time. This allows businesses to automate the delivery of fast, secure, contextually aware experiences.