



AWS Elemental MediaConnect ▾

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AWS Elemental MediaConnect is a high-quality transport service for live video. Today, broadcasters and content owners rely on satellite networks or fiber connections to send their high-value content into the cloud or to transmit it to partners for distribution. Both satellite and fiber approaches are expensive, require long lead times to set up, and lack the flexibility to adapt to changing requirements. To be more nimble, some customers have tried to use solutions that transmit live video on top of IP infrastructure, but have struggled with reliability and security.

Now you can get the reliability and security of satellite and fiber combined with the flexibility, agility, and economics of IP-based networks using AWS Elemental MediaConnect. MediaConnect enables you to build mission-critical live video workflows in a fraction of the time and cost of satellite or fiber services. You can use MediaConnect to ingest live video from a remote event site (like a stadium), share video with a partner (like a cable TV distributor), or replicate a video stream for processing (like an over-the-top service). MediaConnect combines reliable video transport, highly secure stream sharing, and real-time network traffic and video monitoring that allow you to focus on your content, not your transport infrastructure.



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Watch Now: AWS Elemental MediaConnect Explained (1min)

Benefits

Reliably transport video

MediaConnect adds a video-specific quality-of-service layer over standard IP transport, enabling uninterrupted, high-quality delivery. This makes your live video workflows more reliable, even over less dependable networks.

Securely share live video streams

MediaConnect lets you secure your live video using industry-standard encryption, and only share content with authorized customers. This gives you control over the distribution of your content.

Easily manage high-value live broadcasts

MediaConnect provides real-time visibility into more than 15 critical metrics of your video stream quality, automatically adjusting settings to optimize performance. Broadcast-standard alerts

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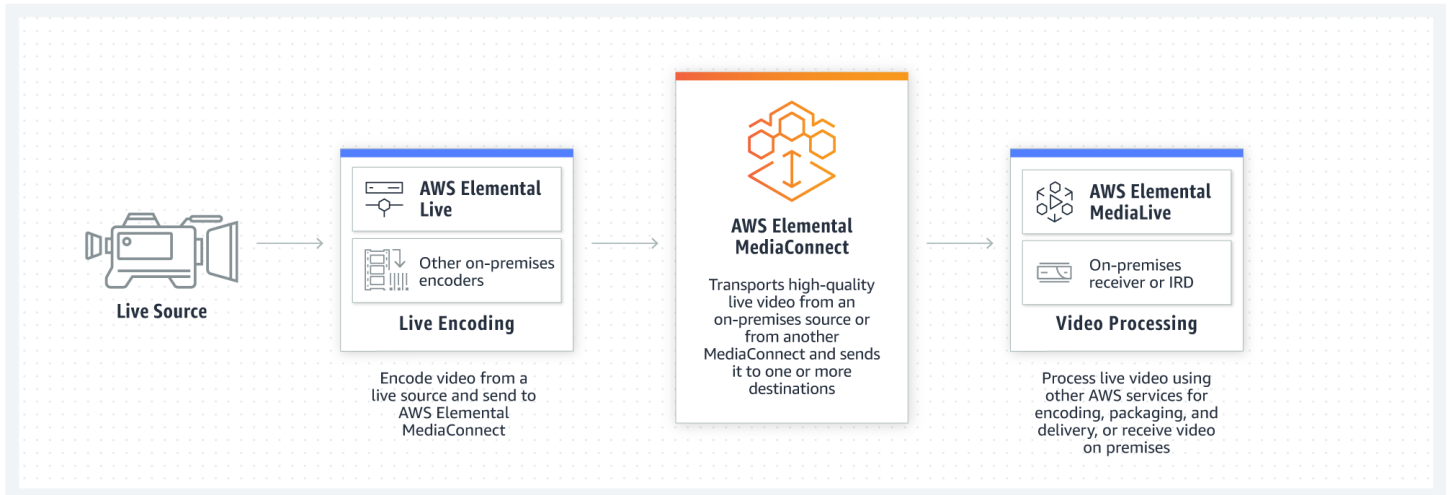
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HOW IT WORKS



Check out the product features

Learn more about AWS Elemental MediaConnect features and read the FAQ.

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AWS Elemental MediaConnect

Features

AWS Elemental MediaConnect is a reliable, secure, and flexible transport service for live video that enables broadcasters and content owners to build live video workflows and securely share live content with partners and customers. MediaConnect helps customers who run 24x7 TV channels or stream live events transport high-value live video streams into, through, and out of the AWS Cloud in a fraction of the time and cost of satellite or fiber services.

Key features

Comprehensive range of video industry standard protocols



(RTP), and RTP with forward error correction (FEC). Using these protocols, MediaConnect enables a quality-of-service layer over IP network transport, which maintains stream integrity through packet recovery, for reliable live video contribution into the AWS Cloud using the public internet or AWS Direct Connect.

Built-in security

MediaConnect lets you protect your content using industry-standard, end-to-end AES encryption, and you can enable whitelisting to limit access only to trusted sources. MediaConnect is fully integrated with AWS Secrets Manager for key storage and retrieval. You can even configure unique encryption keys for each destination as your video leaves MediaConnect, giving you control over your content's security.

High-quality video sharing

Create entitlements in MediaConnect, which grant another account access to your content, so you can share your video streams with your customers and partners. Instead of hosting distribution hubs in your data center to share live video, you can now reach a larger number of customers quickly and easily using the AWS Cloud. Content sharing is tracked using entitlements, and you can revoke access at any time. Accounts that are granted access can create their own video workflows using MediaConnect and other AWS services.

Monitor in real time

Using AWS monitoring services, such as [Amazon CloudWatch](#), MediaConnect provides at-a-glance network performance metrics. Broadcast-standard alerts identify issues with transport streams, so you can adjust settings to maximize the quality of your video workflows. The service monitors stream performance and recovers automatically without operator intervention.



You can choose to use MediaConnect as a standalone service or integrate it with other AWS services such as [AWS Elemental MediaLive](#) to prepare, process, and deliver your content. Whether you manage live 24x7 channels, stream live events, or need disaster recovery capabilities, MediaConnect gives you the tools to build your applications in the AWS Cloud.



Calculate your costs

Learn more about pricing.

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Instantly get access to AWS Elemental MediaConnect.

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