AWS Elemental MediaPackage ∨

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Get started with AWS Elemental MediaPackage

Live Chat

AWS Elemental MediaPackage reliably prepares and protects your video for delivery over the Internet. From a single video input, AWS Elemental MediaPackage creates video streams formatted to play on connected TVs, mobile phones, computers, tablets, and game consoles. It makes it easy to implement popular video features for viewers (start-over, pause, rewind, etc.), like those commonly found on DVRs. AWS Elemental MediaPackage can also protect your content using Digital Rights Management (DRM). AWS Elemental MediaPackage scales automatically in response to load, so your viewers will always get a great experience without you having to accurately predict in advance the capacity you'll need.
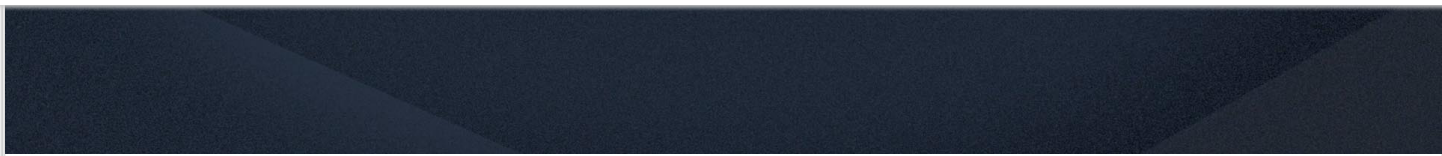
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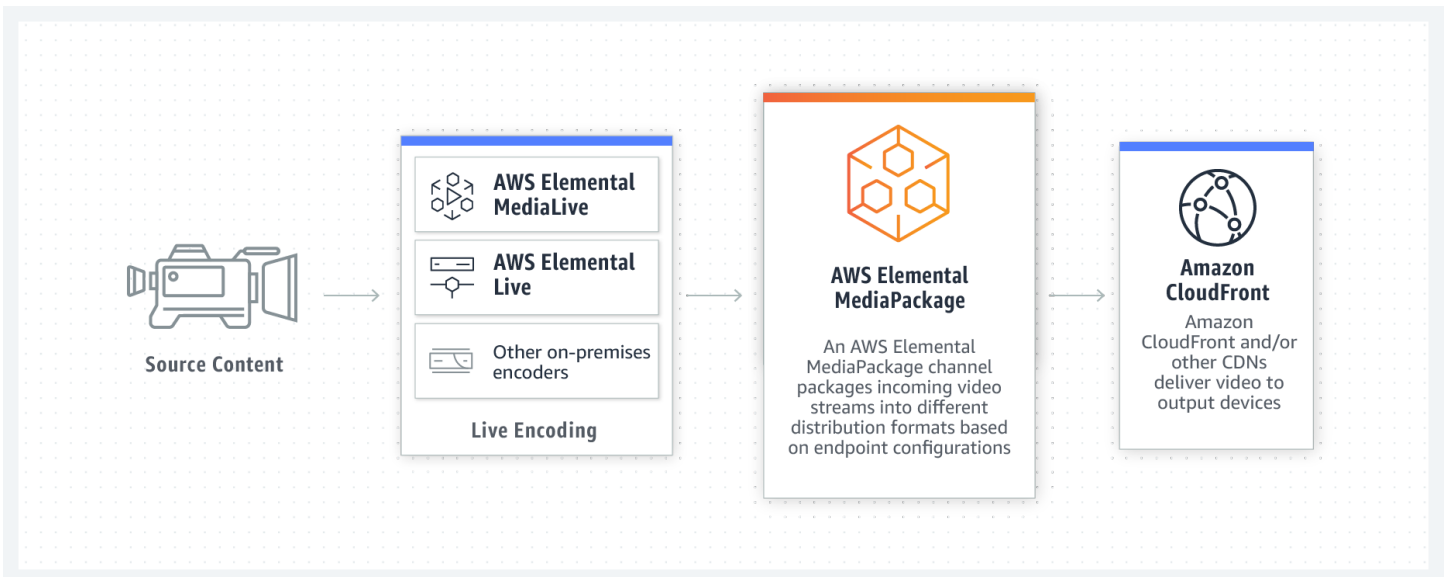Features

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Watch Now: AWS Elemental MediaPackage Explained (53 sec)

How it works

Live Packaging

Video On Demand (VOD) Packaging

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Benefits

Reach a wide range of connected devices

AWS Elemental MediaPackage makes it easy to package and distribute your content to a broad range of video playback devices, including web players, smart phones, game consoles, tablets, and connected TVs.

Advanced video experiences and content protection

AWS Elemental MediaPackage lets you configure a DVR-like experience for viewers of your live stream. It offers support for a range of digital rights management (DRM) providers, supports advanced audio features, and multi-language subtitle tracks.

Built-in scalability and reliability

AWS Elemental MediaPackage scales automatically as the audience for your video grows. It automatically manages resources across multiple Availability Zones, and monitors their health, so that any potential issues are detected and resolved without disrupting your live video stream.

Easy integration with AWS cloud services

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"We've already seen pretty impressive results from what we have moved to the AWS environment and we're really enjoying all the benefits like scalability, redundancy, and performance that we get from being on the AWS platform."

Andrew Blakey, Development Manager, TVNZ

About TVNZ

TVNZ is New Zealand's leading free-to-air TV provider, bringing news and entertainment coverage to more than two million New Zealanders each day.

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Get started with AWS Elemental MediaPackage in the console

Launch the AWS Elemental MediaPackage console

Create and set up new channel endpoints, create and configure your outputs

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AWS Elemental MediaPackage is a video delivery service that allows video providers to securely and reliably distribute streaming video at scale. It makes it easy to prepare your live and on-demand video content for delivery to multiple devices, and improve the viewer experience with advanced features. With MediaPackage, customers can reduce workflow complexity, increase origin resiliency, and better protect multiscreen assets without the risk of under or over-provisioning video infrastructure. MediaPackage also works with other AWS Media Services to unlock the growing ecosystem of connected devices and the dynamic viewing experiences they enable.

Key features

Comprehensive Output Formats

Deliver video content to the maximum number of viewers on multiple playback devices

AWS Elemental MediaPackage supports the standards and formats commonly used to stream video, including a range of MPEG-DASH implemtations, Smooth Streaming (MSS), and HTTP Live Streaming (HLS) with MPEG-2 Transport streams or Common Media Application Format (CMAF) fragmented MP4, to reach a maximum number of devices and viewers.

High-Availability Architecture

Built-in resiliency and automatic scalability for video workflows

AWS Elemental MediaPackage automatically scales based on the incoming stream requests you receive. MediaPackage has a built-in origin shield and cache for reliable performance without errors when accessed directly by one or more CDNs, and is designed for high reliability with distributed resources across multiple AWS Availability Zones. Integrated monitoring continuously tracks metrics (such as bandwidth, number of concurrent contacts or instance resources), and new instances are launched automatically to scale with increased workload as needed.

Use Independently or with AWS Media Services

Use with other AWS Media Services, or deploy on its own

As one of the AWS Media Services, you can choose to use AWS Elemental MediaPackage as a standalone service or integrate it with AWS services for live video encoding, VOD processing, ad personalization and monetization, or media-optimized storage. Additionally, other AWS services, such as the Amazon CloudFront CDN, offer seamless interoperability with AWS Elemental MediaPackage.

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