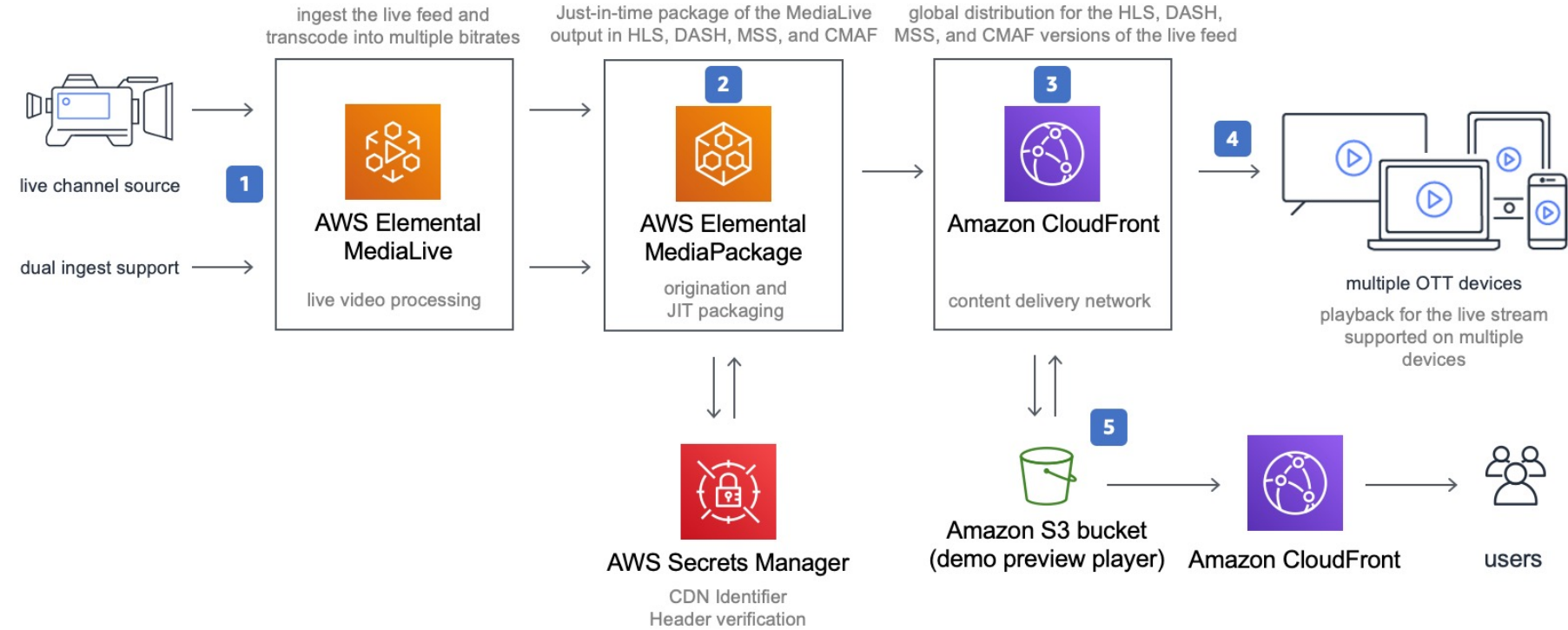


Live Streaming on AWS

This solution helps you build highly available live video streaming content using AWS Media Services and Amazon CloudFront that is highly resilient and secure to deliver real-time viewing experiences to your customers. To deploy this solution using the available AWS CloudFormation template, select **Deploy with AWS**.



- 1 AWS Elemental MediaLive** ingests two input feeds and transcodes your content into two adaptive bitrate (ABR) HTTP Live Streaming (HLS) streams as output.
- 2 AWS Elemental MediaPackage** ingests the MediaLive ABR output and packages the live stream into HLS, Dynamic Adaptive Streaming over HTTP (DASH), and Common Media Application Format (CMAF) formats that are delivered to three MediaPackage custom endpoints.
- 3** An **Amazon CloudFront** distribution is configured to use the MediaPackage custom endpoints as its origin and includes a CDN identifier custom HTTP header to authenticate requests. MediaPackage only fulfills playback requests that are authorized between MediaPackage and CloudFront using the CDN Identifier. This CDN Identifier is created as part of the CloudFormation deployment and securely stored in **AWS Secrets Manager**.
- 4** The CloudFront distribution delivers your live stream to viewers with low latency and high transfer speeds.
- 5** A demo HTML preview player is available to help you test the solution. The player is a static website hosted in an **Amazon Simple Storage Service (Amazon S3)** bucket. Amazon CloudFront is used to restrict access to the solution's website bucket contents.