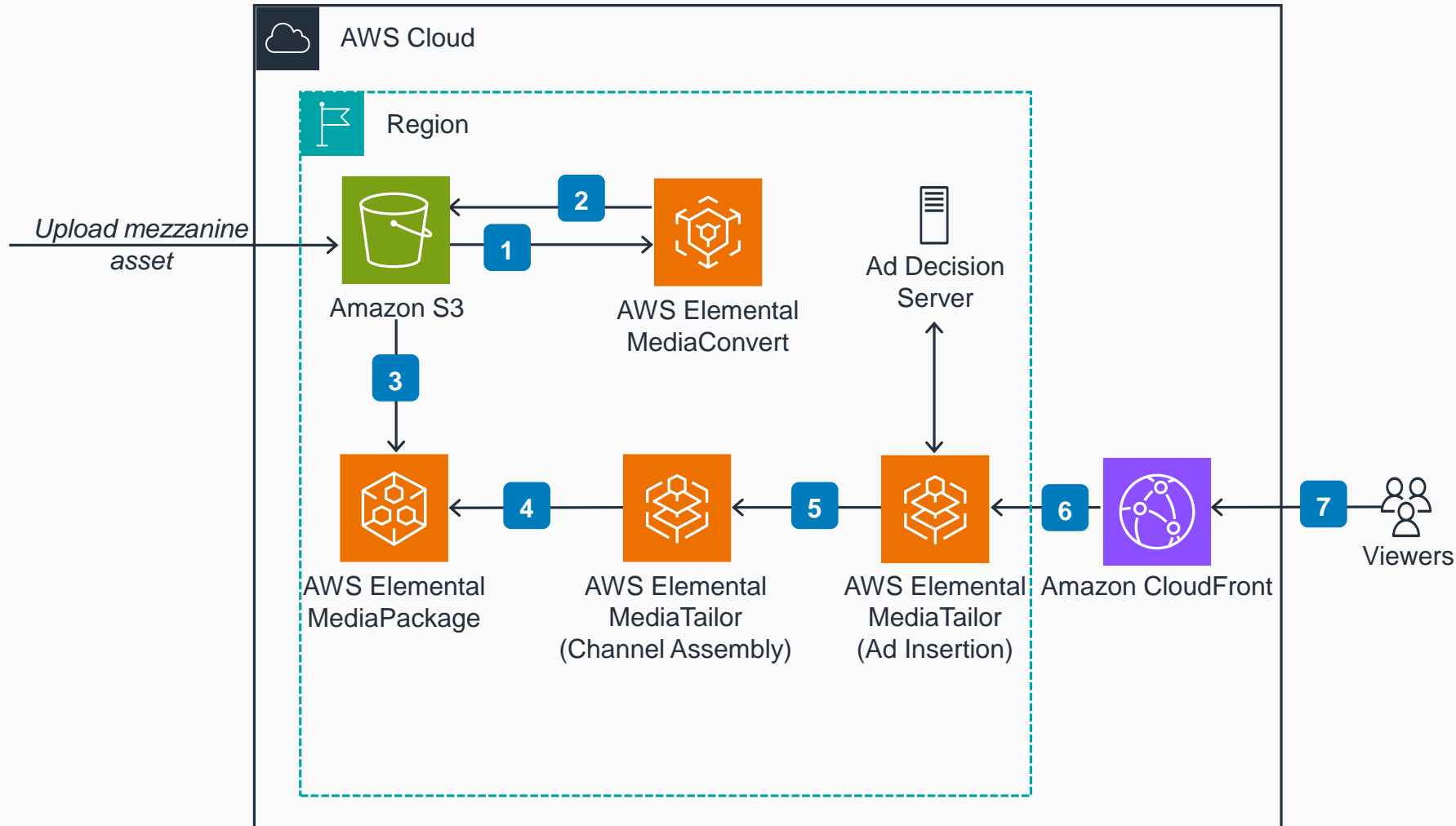


# Guidance for Channel Assembly Media Ingest Automation on AWS

This diagram shows how to automate the preparation of content for use in channel assembly, including the selection of encoding, packaging, and distribution settings.



- 1 Assets uploaded to **Amazon Simple Storage Service** (Amazon S3) invokes an **AWS Elemental MediaConvert** job to process multi-bitrate HTTP Live Streaming (HLS) output.
- 2 **MediaConvert** stores processed assets to an **Amazon S3** bucket.
- 3 **AWS Elemental MediaPackage** stores HLS asset as HLS, Dynamic Adaptive Streaming over HTTP (DASH), and Common Media Application Format (CMAF) outputs.
- 4 **AWS Elemental MediaTailor** creates a VOD source and a program in your sample channel.
- 5 **MediaTailor** generates monetized livestreams by interacting with an ad decision server (ADS) and channel.
- 6 **Amazon CloudFront** caches media segments.
- 7 Viewers request stream from **CloudFront**.

