

Content production reimagined

Why product Codemill?

Content security

Accurate.Video protects content at all access points including admin processes and post-production workflows. Its enhanced security functionality means that content is protected throughout the media lifecycle.

Seamless UI

Accurate.Video provides user-friendly UI which allows for a clearer overview of content and more options for customizations and control within the workspace.

AI and ML

Accurate.Video features professional grade AI integrations which help post-production teams to maximize detection efficiency and save valuable search time.

Product overview

Accurate.Video Validate supports frame accurate content playback – video, discrete audio and multiple subtitles, with sophisticated time-based metadata visualization, directly in your web browser. Accurate.Video Validate lets you inspect every component of your media content and provides a rich feature set, combined with powerful third-party integrations. Accurate.Video Validate is used by broadcasters, studios, post-production localization/compliance teams and professional video content distributors.

Product features

Professional media QC and Validation

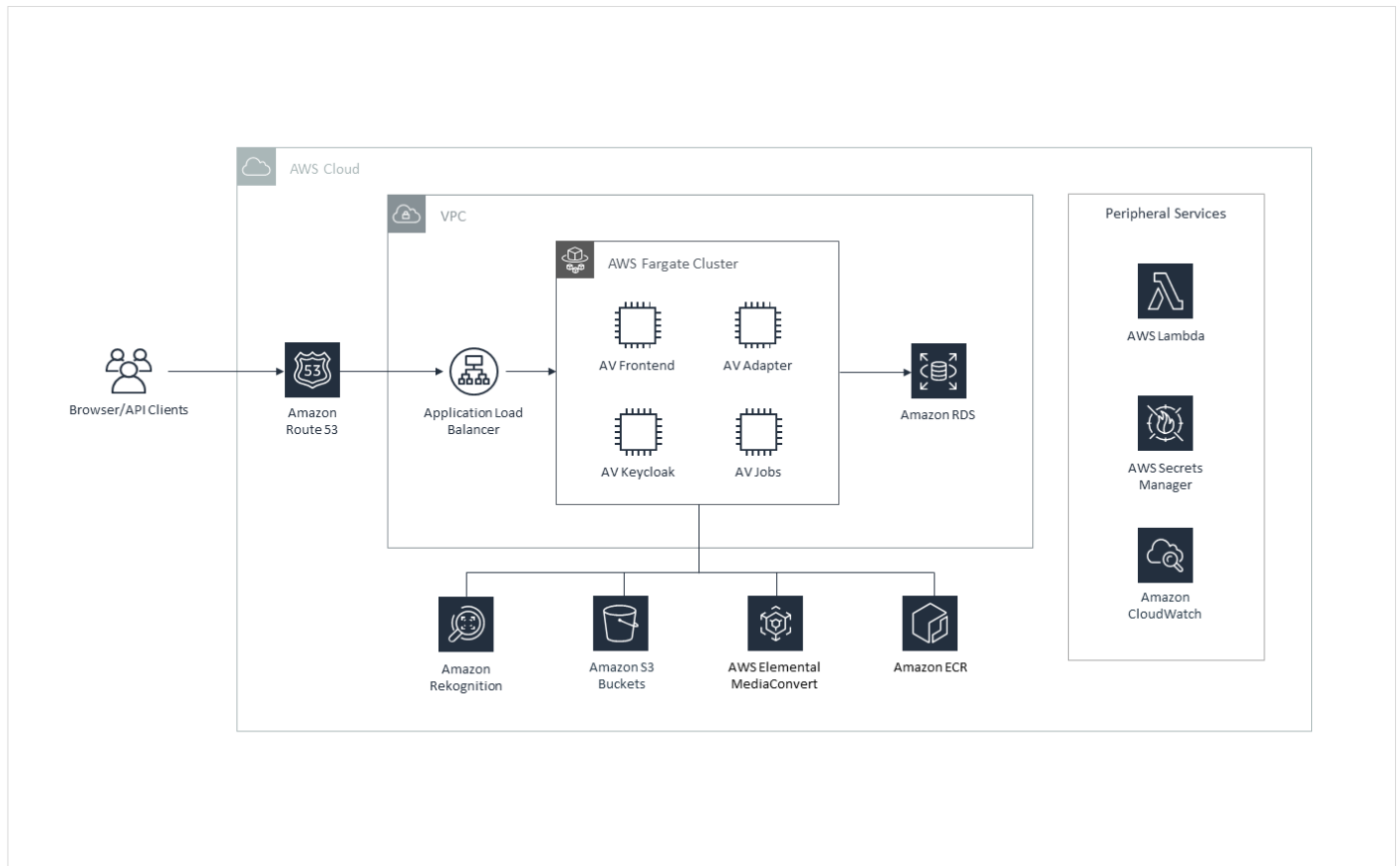
- Frame accurate, web browser-based media playback – all SMPTE frame rates and timecodes
- Playback using progressive, MPEG-DASH or HLS adaptive streaming
- Fullscreen playback mode
- Extensive keyboard shortcuts
- Framecount
- Loop playback support, within a selectable range
- Customizable asset status
- Resizable and dockable UI panels
- User roles (Viewer, User, Admin) with customizable permissions

Advanced metadata visualization

- Zoomable and interactive timeline displaying frame-accurate, time-coded metadata from auto-QC reports, machine learning analysis, or your own custom data
- Configurable metadata templates, with strict naming taxonomies
- Support for manual point markers, ranges and time-based annotations
- Search on markers and metadata
- Copy/paste markers between metadata tracks
- Import and export metadata as JSON, XML & CSV

How it works

Users access Accurate Video Validate using an intuitive Web UI. Additional functionality can be accessed using the REST API. Users can be managed and authenticated via Keycloak which also supports federated auth via SAML2 and OpenID. Accurate Video Validate can integrate with several third-party MAM and Content Supply Chain products through an adapter system. Alternatively, media can be managed natively with Accurate Video Core. Machine Learning and other automated QC jobs can be run to generate metadata that is exposed on the Accurate Video Validate timeline. Accurate Video Validate can access and store content in S3 buckets (including in other AWS accounts and regions) using IAM roles or credentials. If desired, content can be transcoded using AWS Elemental MediaConvert or other third-party systems



Integrations

- Any third-party system, using our comprehensive REST API
- Amazon Rekognition
- AWS Elemental MediaConvert
- BuyDRM KeyOS
- FFMPEG
- Interra Systems Baton
- Irdeto Control DRM
- Nagra NexGuard forensic watermarking
- SDVI Rally
- Vidispine.

Advanced Audio Features

- Playback of multiple simultaneous discrete and embedded audio tracks
- Mute and solo specific audio channels in mono, stereo, 5.1, 7.1
- High resolution audio waveforms and loudness meters
- Audio scrubbing

Codemill transforms UKTV's media supply chain

Challenge

It's critical for UKTV's technical operations that they have a high degree of transparency from their systems. The older software tools were seen as behaving too much like 'black boxes', without the ability to understand and interrogate individual components, extract logs, and more.

Solution

Working with its partners Codemill and eCreation Media Technology, UKTV implemented an off-the-shelf MAM system in the AWS cloud. Workflows and user interfaces (UIs) were built to UKTV's specific needs, integrated with the MAM's APIs.

Benefits

- UKTV's cloud supply chain has transformed the business, bringing key functions in-house
- By implementing a more modular architecture, the flexibility to adapt and extend workflows was further enhanced.
- With the foundations in place, the next phase of the project is now underway and taking automation to the next level.



About UKTV

UKTV is part of BBC Studios, the UK's most-awarded production company, a world-class distributor with international branded services, and a commercial subsidiary of the world's leading public service broadcaster, the BBC.



About Codemill

Codemill is one of the leading full stack custom software developers for the Media & Entertainment industry. Our suite of "Accurate Video" web native software applications, run on Amazon Web Services (AWS) and are used for content verification, metadata visualization (such as Auto-QC reports or Machine Learning metadata), video editing and much more.

“*When we were looking for a technology partner who could match our vision and ambition for a serverless Media Processing Platform, Codemill and their Accurate.Video Suite offering ticked off a lot of boxes. Codemill demonstrated a keen understanding and expertise in building tools for compliance, playback and review and were highly engaged in understanding our current and future needs. Their slick UI made it easy for us adapt it into our use case.*”

- Jiten Mistry, Lead Architect, UKTV

Additional Resources

- [Accurate.Video Website](#)
- [Documentation](#)
- [User Guide](#)
- [UKTV Case Study](#)