

VUALTO

MAKING YOUR ONLINE VIDEO HAPPEN

Your Workflow—Your Way

We don't believe in prescribing a one-size fits all video delivery workflow for our clients. From our experience, each broadcaster and content owner has specific requirements for their video workflow, whether it be interfacing with existing systems, dealing with legacy content, non-standard subtitles or just needing to process video in a specific way. Our solution has always been to use our established building blocks/best-of-breed tools and use them to construct flexible video delivery workflows that are tailored to each of our clients. This flexibility allows us to respond to a fast-changing video landscape more quickly than some established off-the-shelf solutions.

We have created a set of integrated products to manage the end-to-end delivery of video and audio. Used together or on their own, our products can easily fit into existing workflows or be used to create a whole new one. We integrate with many leading commercial products including Unified Streaming, MediaExcel, mpx from Comcast, Youbora, JW Player, THEOplayer, Dalet, Cedexis, all leading CDNs, and many more. Our solutions are based on the latest cloud technology, utilising the best and most advanced features of AWS to provide resilience and scale.

At the heart of our broadcast ecosystem is our VUALTO CONTROL HUB software that provides centralised configuration, an administrative GUI, task engine, and API that allow us to deliver, VOD, live and Live2VOD services with studio-approved DRM. Our player plugins allow online and offline playback on multiple devices.

Using this combination of products and services, we design, develop, manage, and monitor customised video and audio delivery workflows for a range of industries to include broadcasters, sports, media and entertainment, OTT service providers and telecoms & operators.

VUOD—BUILDING A VIDEO ON DEMAND WORKFLOW

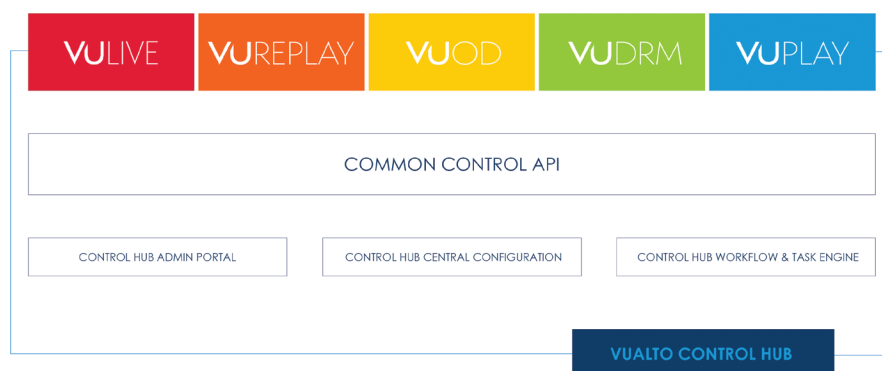
With VUOD, we can build a customised VOD workflow using our simple API to control ingest, encryption, callbacks, and delivery. We deliver pre-processed VOD files or encrypt and transmux just-in-time, using the latest streaming servers to provide HLS, HDS, MSS, and MPEG-DASH.

Able to cope with thousands of VOD titles, our ingest and packaging process uses a fully scalable and resilient task engine. Our caching mechanisms protect the origin from unnecessary CDN requests. We can store and organise rich metadata or integrate with your own CMS or APIs, or we have ready-made integrations with commercial applications such as Brightcove, Dalet, and Comcast.

VULIVE—SUPPORTING EVENT AND CHANNEL BASED LIVE WORKFLOWS

VULIVE is designed for both continuous and event-based streaming. Based around world-leading software from our partners, Unified Streaming, VULIVE provides support for encrypted or non-encrypted MPEG-DASH, MSS, HLS, and HDS across many platforms and devices.

We can provide complete control over the live streaming workflow. Streams can be scheduled, previewed, stopped, started, and paused. Flexible configuration across all the stream formats including fragment length and cache headers. We support multiple audio, subtitles, and blanking at the origin level.



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VULIVE provides full control and configuration of the DVR window and archive buffer windows for rewind, watch from start and playback of virtual sub clips. We can switch off DVR during a live stream if required via both our APIs and VUALTO CONTROL HUB admin Interface.

VUREPLAY—HARNESSING THE LIVE WORKFLOWS FOR LIVE2VOD

In the past, the provision of a VOD catch-up service meant a separate encoding and delivery workflow that was often disconnected to the live architecture, meaning additional hardware, software components, DRM processing, and monitoring. Our VUREPLAY service provides the ability for broadcasters to deliver immediate and long term catch-up services from live streams. With VUREPLAY, content can be made available immediately for on-demand viewing on multiple target devices or live broadcast feeds can optionally be re-packaged with dynamic content replacement and insertion to provide an element of personalisation and targeting.

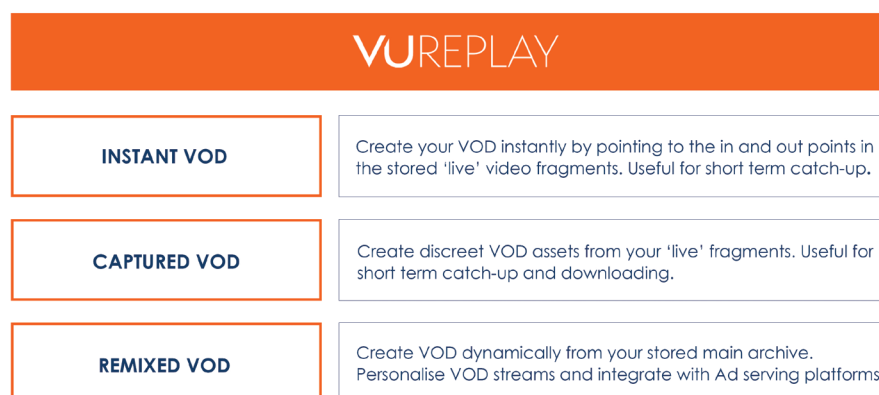
We understand that Live2VOD can take several forms, from providing access to an instant archive, to the creation of a longer-term VOD library. Providing viewers with VOD services that are created directly from live and closely coupling the live and VOD workflows together simplifies the video delivery ecosystem and potentially reduces encoding and processing cost and time.

VUREPLAY is flexible We support three types of Live2VOD.

VUDRM—INTEGRATING ENCRYPTION INTO THE WORKFLOW

Our VOD, live, and Live2VOD workflows can all be integrated with VUDRM, which provides PlayReady, Widevine, Primetime, and FairPlay. The flexibility of VUDRM allows our clients to mix and match their DRM technology providers within their video delivery workflow. Our APIs provide easy integration options allowing clients, for example, to use their current supplier for PlayReady licenses and Vualto for Widevine and FairPlay. The VUDRM product set consists of a number of APIs and microservices deployed as separate Docker containers in AWS across multiple regions. This means that each part of the system can be scaled independently.

In summary, our video delivery workflows provide highly resilient and scalable live, VOD, and Live2VOD solutions based on our broadcast experience and proven track record. Our VUALTO CONTROL HUB software components manage all aspects of the video delivery including scheduling, encoder control, ingest, metadata management, encryption, multiple audio, CDNs, Live2VOD workflows, and more. We support integration with many third parties including encoder manufacturers, ad servers, players, and CDNs. We support flexible operating models—either full SaaS, SaaS in the client's cloud environment, or handed over post configuration to the client team. YOUR WORKFLOW – YOUR WAY.



ABOUT VUALTO

VUALTO are innovators in next generation workflow integration, orchestration and transport solutions, enabling you to make your online video happen. Accessed via our cloud based VUALTO CONTROL HUB and powered by our open, extensive and customisable API's, we provide a suite of products and services for flexible video applications. These include: live (VULIVE) and on demand (VUOD) IP video delivery to any device, instant Live2VOD automation (VUREPLAY), Digital Rights Management (VUDRM) and Player SDK's (VUPLAY). We can design new concepts from scratch or integrate into existing workflows, developing a market focused solution entirely suited to your needs.