EDIUS CLOUD

AWS-based EDIUS X editing designed for speed and flexibility, without any additional hardware

EDIUS Cloud provides user organizations with a pay-as-you-go quick deployment model that keeps everything in the cloud so that editors can work from any location.

EDIUS® Cloud is designed for media organizations that are currently using Amazon AWS to transfer or store media content. It takes full advantage of the cloud by providing a way for organizations to build a cloud-based system for short-term use, without having to rent any additional hardware. EDIUS Cloud, by its very nature, lends itself to remote work by editors as well as the ability to share content between editors within the organization.

As with EDIUS X localized (on-premise) versions, no media content is modified in any way. EDIUS Cloud uses reference markers for the media, as well as for what effects are to be used on the media. Similarly, EDIUS Cloud gives editors the exact same creative toolset as the localized version.

Benefits of EDIUS Cloud Editing over On-Premises Editing
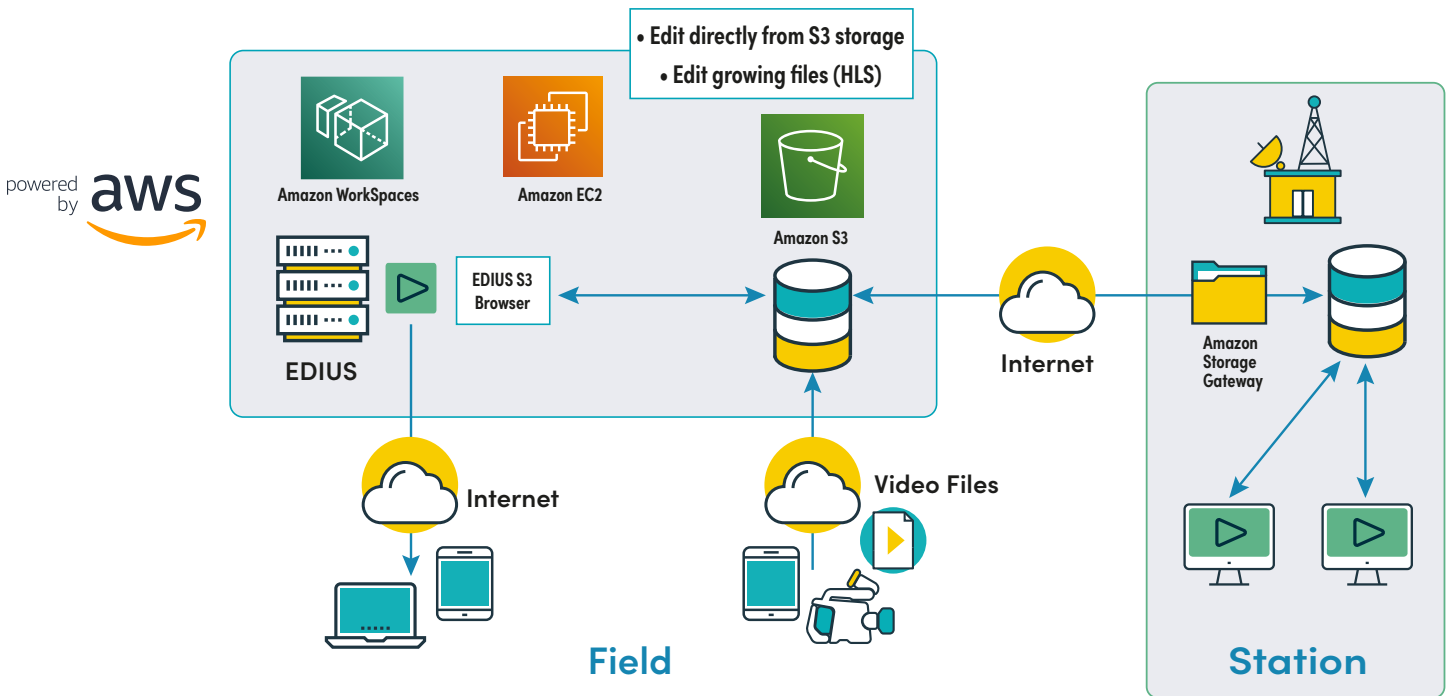
By deploying a cloud-based system, organizations benefit from lower capital expenses by not having to purchase additional hardware, shifting costs from CAPEX to OPEX — editors can work on the desktop or laptop PC or Mac they already have, or any available internet-connected computer at any location using a cloud VDI (Virtual Desktop Infrastructure) application. They also benefit from not having to know exact demand forecasts for editing, as EDIUS Cloud is quick and easy to deploy with the ability to make quick adjustments regarding capacity and scaling. Adding additional editing seats only requires licensing and then "spinning up" another instance of EDIUS Cloud.

AWS Cloud Components

EDIUS Cloud relies on specific AWS components to run. These components should all be familiar to any organization's IT staff that is already working with media in AWS. They include:

- AppStream 2.0
- CloudWatch
- EC2
- EFS
- Lambda
- S3 Storage
- Storage Gateway
- WorkSpaces

Editing with EDIUS Cloud on AWS provides the ability to not just edit directly from S3 storage, but to edit growing files (HLS — HTTP Live Streaming) as they enter your AWS ecosystem.

• Edit directly from S3 storage
• Edit growing files (HLS)

powered by **aws**

Amazon WorkSpaces   Amazon EC2   Amazon S3

EDIUS S3 Browser

EDIUS

Internet

Video Files

Internet

Amazon Storage Gateway

Field   **Station**

Key Features

- Edit media files with different resolutions from 24x24 to 8K
- Support for the latest file formats — Sony XAVC (Intra/Long GOP)/XAVC S/XDCAM, Panasonic AVC-Ultra/AVC-Intra/P2 and Canon XF-AVC/XF-HEVC (import only), Sony RAW, Canon Cinema RAW/Cinema RAW Light (import only), RED RAW (import only), ProRes, DNxHD/HR (option) Nikon Z9 N-RAW, still image RAW and more...
- Support for the latest color space for Log and RAW files - HLG/PQ, S-Log, Canon Log, V-Log/V-Log L, J-Log1, F-Log, Log C, D-Log, N-Log, OM-Log400 and LUT (.cube) file import
- Real-time conversion of frame rates on the same timeline delivers more efficient editing into the hands of editors
- Fast, flexible user interface, including unlimited video, audio, title and graphics tracks
- HDR editing (HDR/SDR gain and tone mapping)
- Export in 4K HDR for broadcasting and web distribution
- Primary color correction (RGB) for color grading
- 3-way color correction (YUV)

- 60/50p timecode display
- New video scope supporting HDR
- Multicam editing of up to 16 different sources simultaneously, with video output support
- Fast and accurate multicam audio sync engine
- Various proxy editing modes for next-generation workflow helps extend usability and increase ROI
- High-quality motion tracking (adopt "Hybrid Tracker")
- High-quality slow-motion (optical flow and advanced matching)
- High-speed and high-quality stabilizer
- High-performance video Layouter
- Various synthetic video filters such as masks and keyers
- Fast and high-quality MPEG decoder and encoder
- Fast handling of large quantities of still image files (JPG, TGA, DPX, Cinema DNG and others)
- Closed Caption view, scc/mcc file import and export
- Apple ProRes export

- Apple ProRes RAW decode
- Apple MOV (H.264/H.265) export
- Blackmagic RAW decode
- Blackmagic Film Gamma support
- Project import/export as EDL, AAF, FCP 7 XML (import only)
- OFX Plug-in bridge support
- Ability to save a current project as a template in order to re-use preferred track settings, screen layout, etc.
- Support for high-resolution displays
- Built-in loudness meter with auto adjustments
- The Dolby Professional/Plus license is available as an option for EDIUS Cloud

EDIUS Cloud Specific Features

- Support of direct editing from S3 cloud storage
- Support for editing growing files in S3 cloud storage (HLS format)
- Support for preview monitoring via NDI

EDIUS Cloud Versions

Grass Valley® recognizes that organizations have different requirements and resources. In this respect, EDIUS Cloud is offered in two version types: System or Software Licensed.

The Type 1 System business model is custom designed per customer based on Amazon AWS. These are a time-limited contracts (contract terms are updated at renewal), with a monthly charge and usage limitations (including EDIUS, Amazon WorkSpaces, Amazon S3, and Amazon EC2 for Storage Gateway and file download). Pricing is on a per quote basis based on specific requirements.

Type 2 is a Software License business model, where the software is licensed to a system integrator, who will provide the service based on Amazon AWS. While also a time-limited contract (contract terms are updated at renewal), the software license is invoiced as a monthly subscription charge. Type 2 pricing is also based on a custom quote.

AMPP / Framelight X MAM Integration

As with the localized version of EDIUS X, EDIUS Cloud provides integration with Grass Valley's Agile Media Processing Platform, AMPP, with a simple-to-use AMPP Assets tab. Editors can access all AMPP-based media assets directly from within EDIUS Cloud.
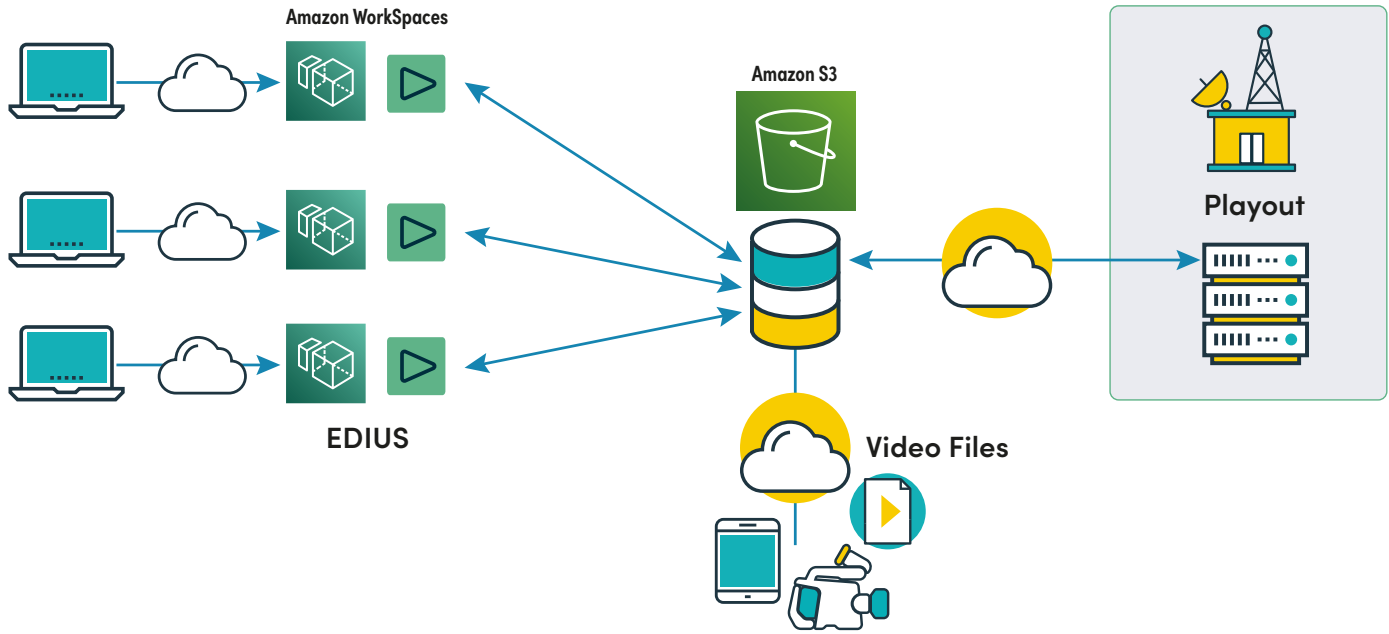
Although Framelight X media asset management contains an editor based on EDIUS X, rough-cut edits can be transferred to EDIUS Cloud for craft editing, freeing up the Framelight X MAM seat for other uses.

"
No other video editing system can handle the variety of file formats we receive.

– Grant Salinger, Managing Director, Motionlink

Video files are stored in Amazon S3 storage, and edited directly from EDIUS clients running on Amazon WorkSpaces.

After the videos are edited, the files are exported back to S3, then files are transferred to playout servers located on-premise for playout.
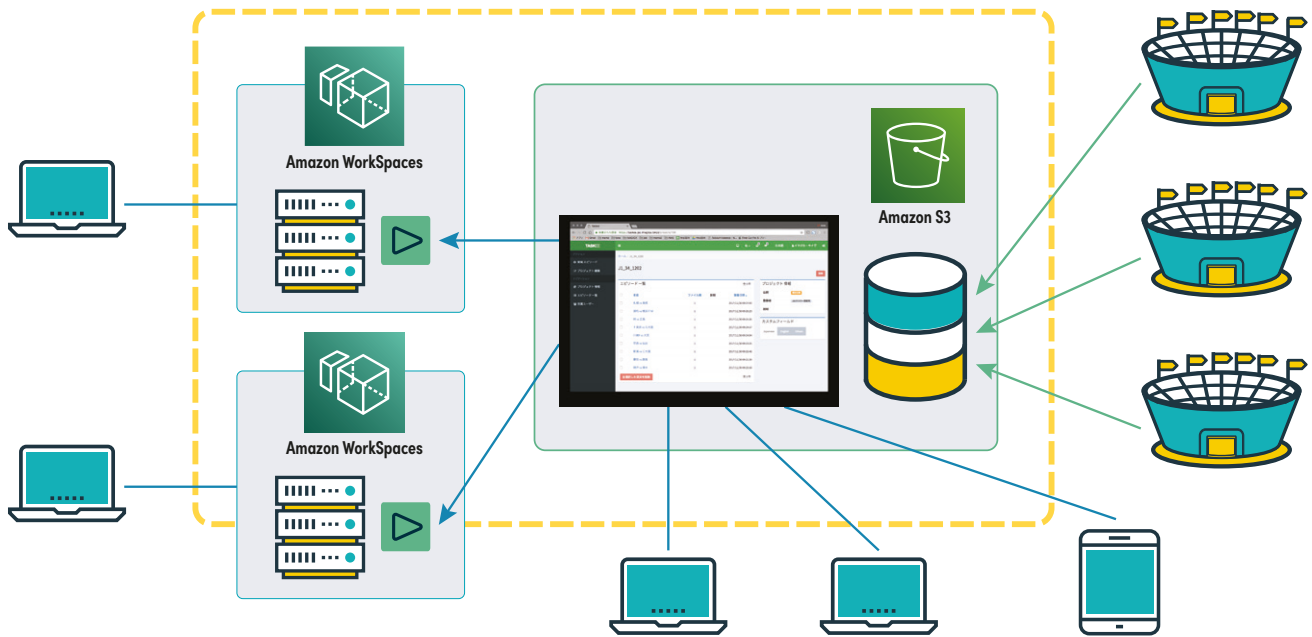
Since the source videos are edited in place inside S3, and only the final edited contents are sent to the local server, the transfer of video data is kept as a minimum to save data transfer costs.

The number of editors can be adjusted depending on the amount of work.


MAIN INTERFACE
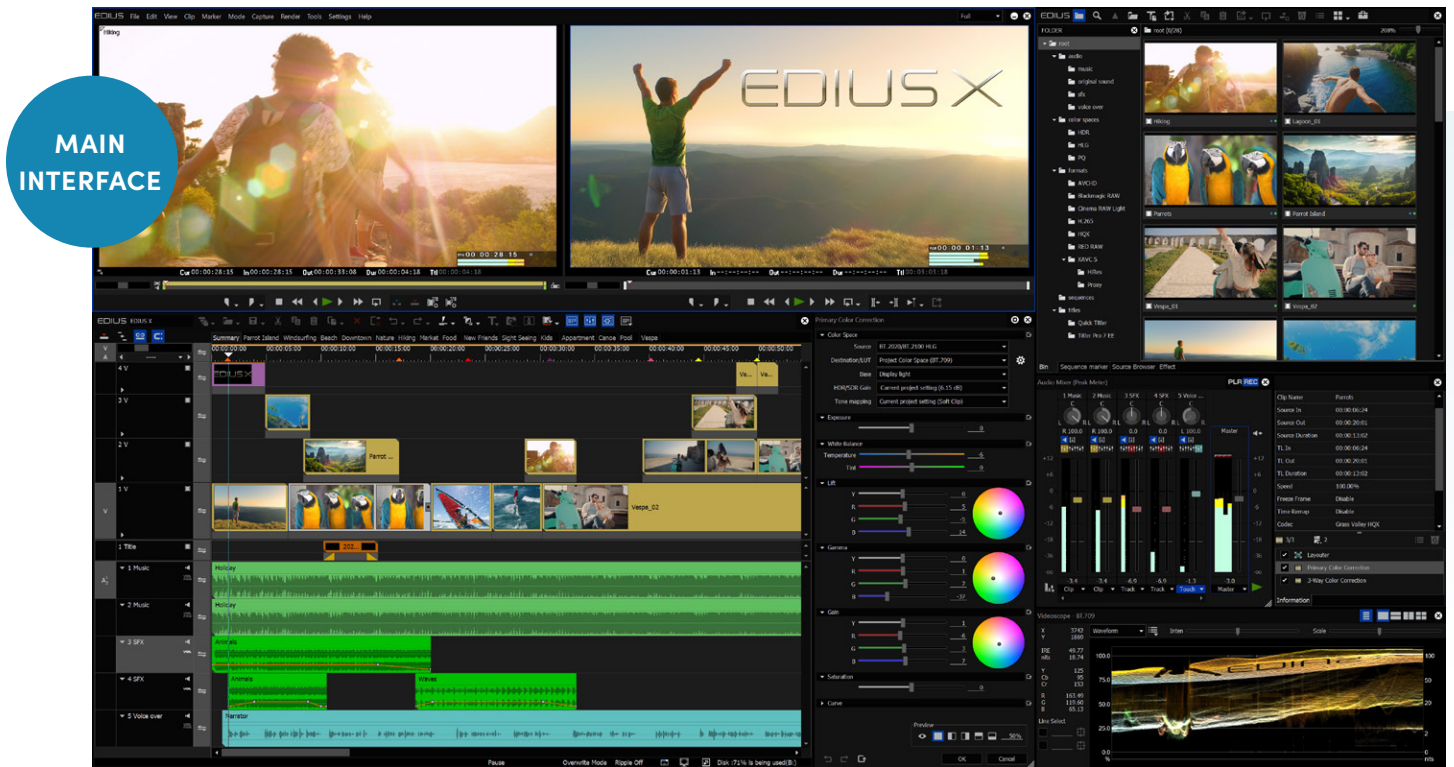
Integration with asset management systems is available via the EDIUS SDK.

This diagram shows integration with a third-party asset management system that manages video coming from multiple sport stadiums.

The video contents are stored in Amazon S3, then users who wish to license the video contents can access the video via EDIUS and select only the necessary footage for download, allowing them to save download data transfer costs.
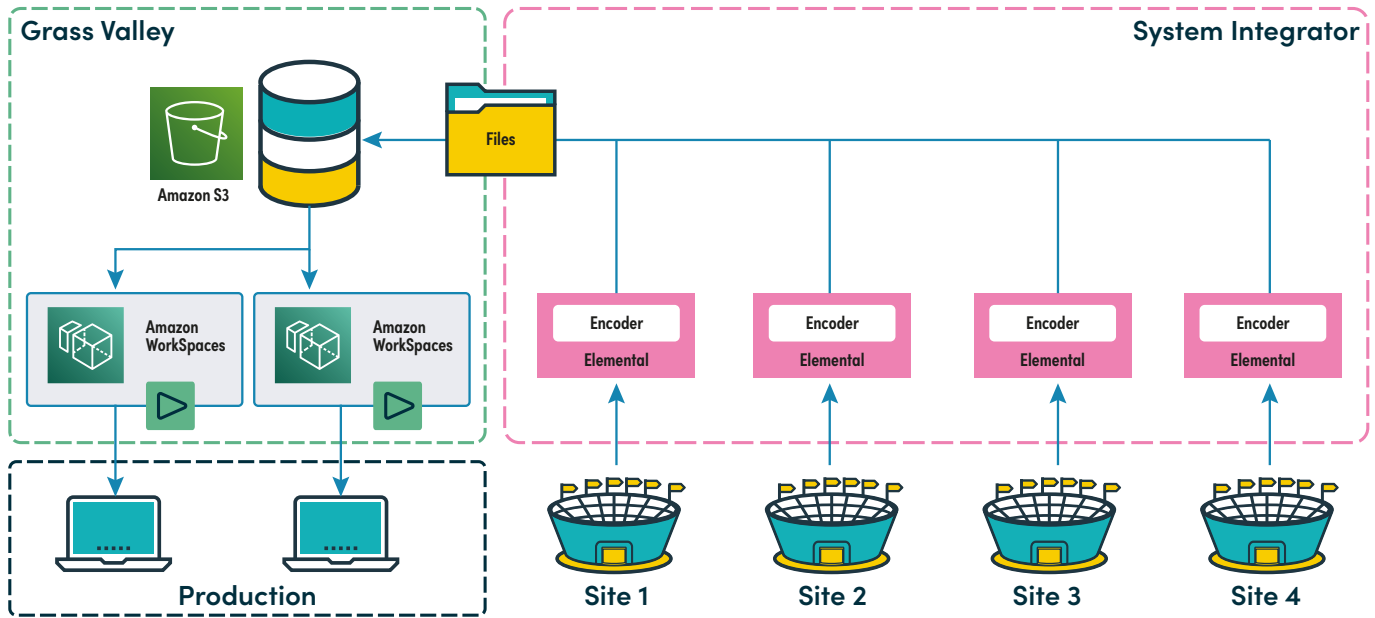
ANCHOR MODE
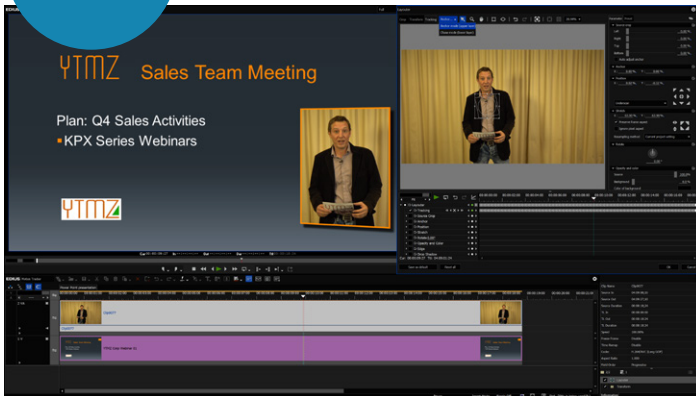
CHASE MODE

Motion Tracking in Layouter

EDIUS Cloud Use Case 3: Sports Newscast Integration

This case illustrates the usage of quick turnaround sports events for newscasts.

By using the Amazon Elemental encoder, live feeds from multiple sports stadiums can be recorded to Amazon S3 in HLS (streaming) format, which then can be accessed by EDIUS as a growing file. The videos can be edited as they are being recorded, and then sent out immediately to newscasts for immediate coverage.

GV JOB MONITOR

Ordering

Please contact your authorized Grass Valley representative.

EDIUS Cloud Language Selection
The EDIUS GUI conforms to the OS language setting.

EDIUS Cloud Version Serial Number	English	German	French	Italian	Spanish	Chinese Traditional	Chinese Simplified	Japanese
Worldwide Serial Number	Yes	Yes	Yes	Yes	Yes	Yes	No	No
China Serial Number	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Japan Serial Number	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

"EDIUS allows us to cut the shows fast and efficiently, yet the viewer thinks we're switching live. That's what makes me the most proud. When a fan who attended the show enjoys the video, I know we've done something right.

— Jara Wallace, Director and Head of Post-production, TourGigs

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