

## Scalable content recording, storage & distribution software

**Flexible at carrier-scale.** The streaming market is changing fast. You need an origin server that can adapt and grow to meet new challenges. Keep pace by placing the industry's most capable origin platform at the heart of your content delivery architecture. With its modular cloud-native design and field-proven performance advantages, Velocix Origin gives you the flexibility and scalability you need to deliver class-leading live, VOD, and time-shifted video services to every connected screen.



### Cloud DVR and time-shifted TV

Use our Emmy-winning cloud DVR software to record live TV content in the network for playback on a wide range of connected viewing devices.



### Multi-site geo-redundancy

Ensure users never miss a show or lose access to their DVR content with our carrier-grade fault resiliency and geo-redundancy features.



### Scalable software-defined storage

Cost efficiently expand HD, 4K, and 8K content libraries with software-defined object storage that offers virtually infinite scaling.



### Ultra-low latency live streaming

Dynamically package, protect, and deliver live sports and news with minimal delay using our ultra-low latency streaming software.

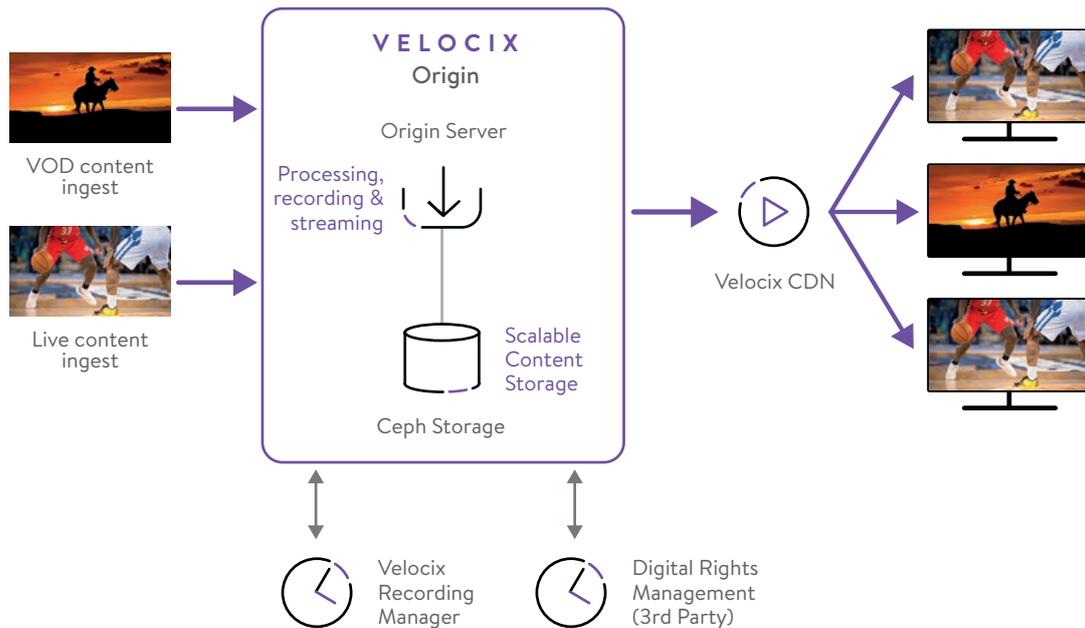
“We needed a platform that was robust, ultra-reliable, and could scale-out rapidly, which is why we chose Velocix”

Cristian Hofer, Head of Video Engineering  
Entel

## Timeless TV

Give consumers the ability to watch live TV content on their own schedule, at home or on-the-go, by recording live content in the network and making it accessible on every connected screen. Enhance linear streaming services with time-shifted video apps like Cloud DVR, catch-up, and start-over.

Use Velocix's modular recording engine and cost-efficient software-defined storage system to provide limitless DVR capacity. Comply with content rights obligations and minimise scale-out costs with unique private-copy, shared-copy, and hybrid recording methodologies that enable you to deliver a truly timeless viewing experience to every consumer.

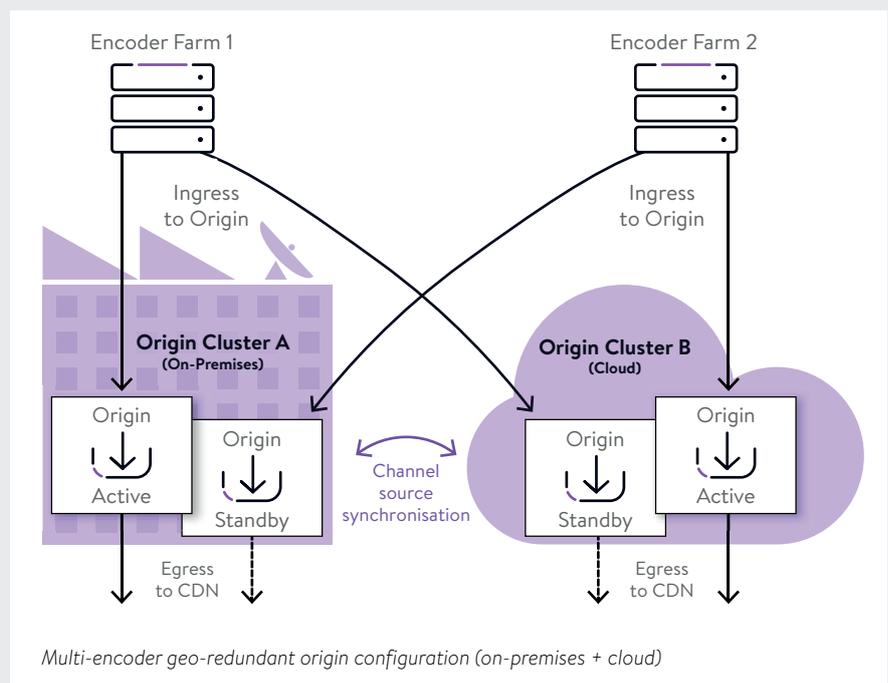


Velocix Origin combines a modular recording engine with software-defined storage for limitless capacity

## Real geo-redundancy

Make service reliability a key pillar of your streaming business. Velocix Origin delivers the highest level of business continuity with true multi-site geo-redundancy features and frame-accurate failover. Automatically detect and route around fault conditions to prevent service interruptions, visual artifacts, or a loss of content.

Ensure personalised video recordings are captured successfully, even when unexpected failures occur. Configure multiple layers of protection to safeguard your quality of service, raise consumer satisfaction levels, and reduce subscriber churn.



Multi-encoder geo-redundant origin configuration (on-premises + cloud)

## Cost efficient storage

Consumer demand for HD and Ultra HD content is skyrocketing. Attract new customers by offering more titles, higher content resolutions, and greater storage capacity for network-based recording services.

Velocix Origin uses high-performance software-defined storage to minimise scale-out costs, resulting in healthier margins, a faster return on investment, and better overall business results. Storage platforms are specially tuned for recording and streaming applications and feature intelligent content management algorithms that drive down ongoing expenses.

## Ultra-low latency streaming

Live sports are crucial to the pay TV value proposition. Delight sports fans by delivering live video streams that arrive in sync with social media alerts.

Unlike traditional adaptive bit-rate (ABR) streams which can lag 30-seconds or more behind real-world events, ultra-low latency ABR delivery can shrink delays to 2-seconds or less. This ensures viewers see the game winning score before they hear about it on social media, which will make your sports fans cheer.

## Storage performance and capacity attributes

- Hyper-scalable to exabyte capacities
- Massively parallel read and write performance
- Tuned to video streaming and recording workloads
- High performance solid-state and disk storage options

## Cost-saving storage attributes

- Multi-tier design with popularity-based content migration
- S3 interfaces to connect cloud and hybrid-cloud storage
- Deduplication for private-copy Cloud DVR
- Low-cost COTS server hardware

## Storage reliability and resiliency attributes

- Decentralised data structure with intelligent replication
- Configurable erasure coding for tunable data protection
- Self-healing and rebalancing
- Fully resilient to multiple fault conditions (component, server, network, etc.)



## Key features

### Streaming applications supported

- Live
- Video on demand
- Pause live / restart / catch-up
- Cloud DVR

### Recording modes supported

- Private-copy
- Shared-copy
- Hybrid recording off-net (private or public cloud)

### Ecosystem integration

- Fully open APIs for rapid integration

### Key functionalities

- Single, streamlined origin server solution for all video applications
- Ultra-flexible, Emmy Award winning cloud DVR
- Carrier-grade fault resiliency and geo-redundancy
- Performance-tuned software-defined object storage that offers virtually infinite scaling
- Dynamic packaging, protection and delivery of live content
- Ultra-low latency capability can shrink delivery delays to 2 seconds or less

### Video formats supported

- CMAF
- HLS
- Microsoft Smooth
- MPEG-DASH
- MPEG-TS

### Integration with other Velocix software

- Velocix CDN
- Velocix Recording Manager
- Velocix Personalization Platform
- Velocix Multicast ABR
- Velocix Analytics