

Crafter Software Video Center on AWS



AWS Elemental, Amazon Web Services and Crafter Software

Crafter Software Video Center on AWS provides online access to highly-secure video content for a wide range of purposes including education, training, task-enablement, communications, and entertainment anywhere in the world on any device.

To fully enable public video platforms and other traditional distribution models designed to meet the specific security and distribution needs of the Federal market, secure video content must be delivered wherever it is needed, including to remote and 'disconnected' environments. Furthermore, content security must be tailored based on roles, missions and other significant factors.

SOLUTION:

CRAFTER SOFTWARE VIDEO CENTER ON AWS

AWS and Crafter Software have developed an answer to meet these needs. A unique and secure Crafter Software Video Center on AWS enables a Bring Your Own Device (BYOD) model for training, education and entertainment video consumption in secure, highly distributed—and even disconnected—environments. The Crafter Software Video Center solution is built using the award-winning Crafter CMS platform and leverages AWS Media Services such as AWS Elemental MediaConvert as well as several AWS services including Amazon Elastic Compute Cloud (EC2), Amazon Simple Storage Service (S3), and Amazon CloudFront.

CRAFTER SOFTWARE VIDEO CENTER APP (End User Experience)

The Crafter Software Video Center Application provides secure, easy-to-use consumer-like interfaces where end users may browse, search, discover, and play videos on any device. The experience is mobile-friendly and personalized to the end user. Each user's device type is detected in real time and the proper video codec streamed for the user's device and bandwidth.

CASE STUDY:

A TYPICAL DEPARTMENT OF DEFENSE USE CASE

NEED:

- Training video content management systems
- Targeted video format for BYOD delivery
- Highly secure, robust, cost effective 24x7 streaming and downloading
- Branded, consumer-oriented web interface
- Government-approved private cloud hosting

SOLUTION:

- Deploy Crafter Software Video Center on AWS in AWS GovCloud with FedRamp compliance
- Leverage Amazon EC2, Amazon Elastic Transcoder, Amazon S3 and Amazon CloudFront
- Integrate with agency Single Sign-On (SSO)



OVERVIEW

CHALLENGE

- Access highly secure video anywhere in the world
- Support any device and network
- Tailor content by role, rank, mission, and other parameters

SOLUTION

- Highly secure, targeted video management and delivery
- User friendly consumer and management interfaces
- Automatic transcoding for device, resolution and bitrate

BENEFITS

- User-friendly interface to consume highly secure video content
- Deploy 24x7 channels or event-based broadcasts with ease
- Accelerate time to market with highly customizable cloud-based solutions





The Crafter Software Video Center Application is built on top of the elastically-scalable Crafter Engine and leverages Amazon S3 for storage and Amazon CloudFront as a CDN.

CRAFTER SOFTWARE VIDEO CENTER CMS (Video Management Interface)

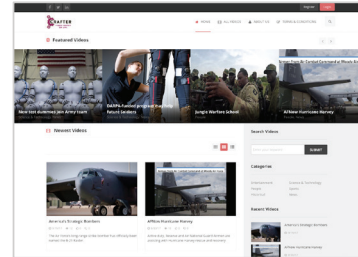
The Crafter Software Video Center CMS provides a user-friendly interface for content editors and video managers to create and optimize the overall end-user experience of the Crafter Software Video Center App, including the ability to upload and assign metadata to videos. Video files are transcoded using AWS Elemental MediaConvert and then stored in Amazon S3, while video metadata is stored in the Crafter CMS along with all other Video Center App content.

An in-context preview capability allows content editors to visualize and test changes prior to publishing updates to the Crafter Software Video Center App live site. All standard enterprise CMS functionality is available and may be leveraged as needed, including versioning, workflow, content modeling, auditing, and single sign-on integration.

BENEFITS:

CRAFTER SOFTWARE VIDEO CENTER BENEFITS

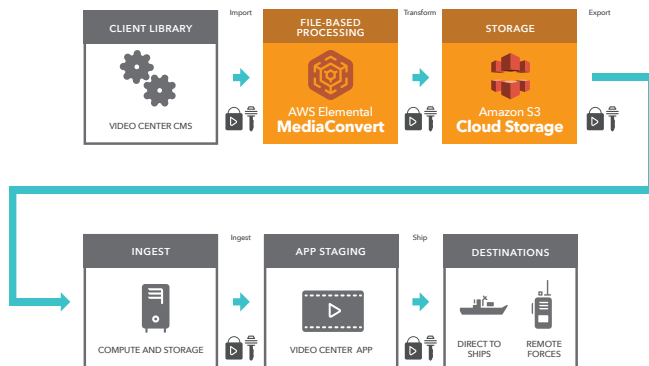
Crafter Software Video Center on AWS provides modern, consumer-like user interfaces for training, internal communications and entertainment, supporting content delivery to both remote and disconnected locations. The solution securely serves video anywhere to any device with role-based permissions, dynamically transcoding for specific devices and bitrates as needed and integrating with strong authentication and authorization leveraged by the Federal market. Crafter Software Video Center on AWS personalizes targeted content and video based on role, region, rank, mission, and other factors, easily scaling due to AWS' elastic infrastructure.



COMMON USE CASES

- Personalized training and education video delivery
- Organization-wide, secure communications and news
- Movies and entertainment for remote locations and even those disconnected from a network

DISCONNECTED CONTENT DELIVERY WORKFLOW



Learn more at federal-info@elemental.com

