



NEXTSCAPE

Multi **DRM** Kit



Securing your content over the internet

Delivering your video content will always have the risk of **illegal copying**.

Our **Multi DRM Kit** provides every Hollywood grade DRMs you need, enabling a secure multi-device content delivery in a short period of time.

Multi DRM Kit



Customers who uses our service (only a portion)



DRM is the de facto standard in the field

DRM stands for “**Digital Rights Management**”.

It is a technology to protect your content from piracy widely supported by studios and content providers.

◆ **Robust Security**

Common measures taken to prevent illegal copying includes access control or encrypted streaming such as HLS+AES, though these measures are insufficient. DRM not only provides robust key protection, but also provides protection at an OS level or hardware level.

More over, DRM has the ability to prohibit playback on vulnerable devices which could not be achieved by the aforementioned measures.

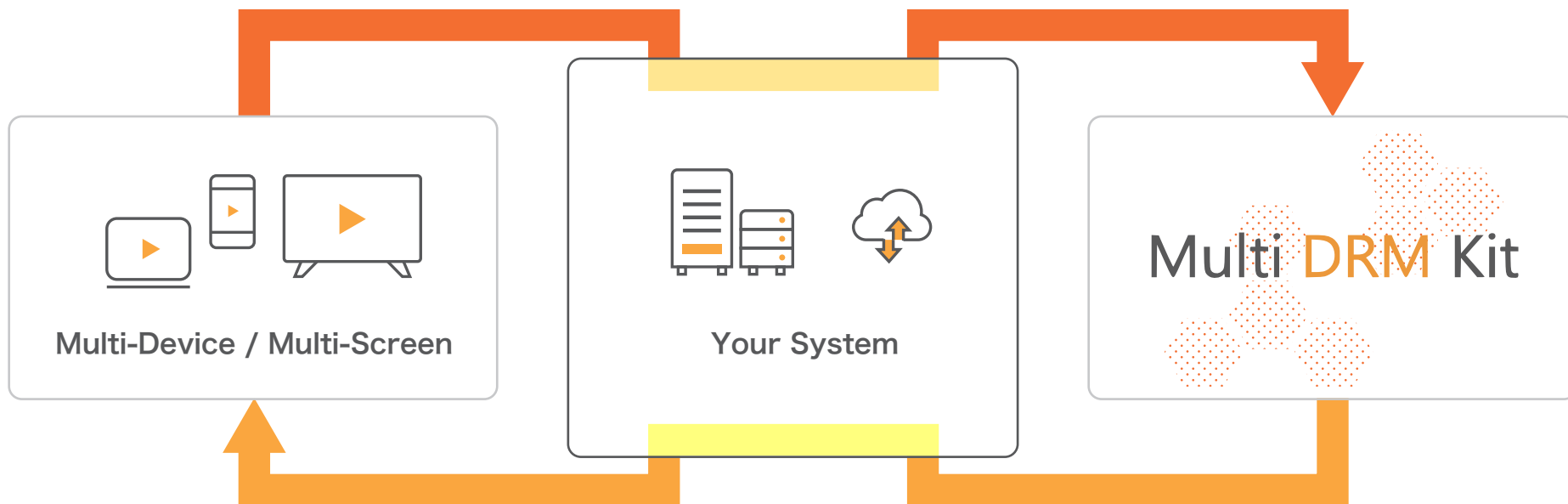
◆ **Many options for various content delivery requirements**

As you can tell from the name “Digital Rights Management”, DRM not only provides robust content protection but also many options on how you want your content consumed by the viewers. Such as how many minutes you want to allow your viewers to playback, controlling the rental period, controlling output display and so on.

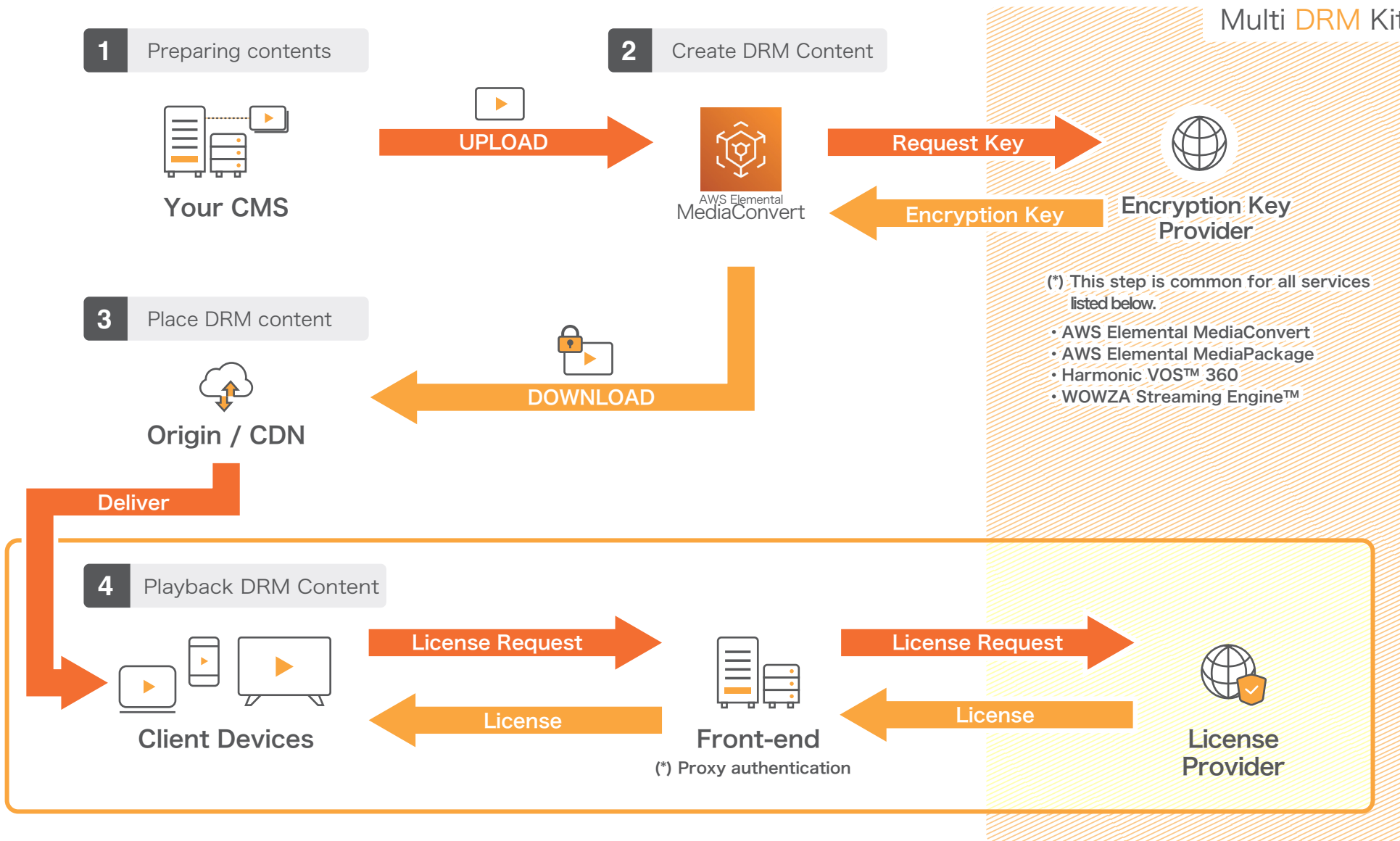
Implementable to your running system

The main services of Multi DRM Kit is provided through API, so you can implement into your existing or a new system easily.

You don't need to buy or replace to another new platform.



Overview of the DRM content delivery on AWS MediaServices



Services available for Encryption Key Provider

◆ AWS Elemental MediaConvert / MediaPackage

Provides DRM feature for MediaConvert and MediaPackage.

(*) This feature is referred to as SPEKE in AWS document.

(*) When you want to use DRM on MediaLive, you need to use MediaPackage.



AWS Elemental
MediaConvert



AWS Elemental
MediaPackage

◆ Harmonic VOS™ 360

Provides DRM feature for Harmonic VOS™ 360.

**◆ WOWZA STREAMING ENGINE™**

Provides DRM feature for On-the-fly Packaging of WOWZA STREAMING ENGINE™.

DRM / Client Support Matrix

Device Type	Platform	Browser / OS version	DRM		
			Microsoft PlayReady	Google Widevine	Apple FairPlay Streaming
PC	Windows	Chrome/Firefox		●	
		Edge (Chromium)	●	● (*)	
	Mac	Chrome/Firefox		●	
		Safari			●
SmartPhone	Android	Native/Chrome (Android v4.3 ~)		●	
Tablet	iOS	Native (iOS v8 ~)			●
		Safari (iOS v11.2 ~)			●
Set-top Box TV	Chromecast	—		●	
	Amazon Fire TV	—	●	●	
	Android TV	—	●	●	
	Apple TV	—			●

(*) Microsoft PlayReady's security level is stronger on Windows+Edge(Chromium) compared to Google Widevine.

(*1) Google Widevine could not be used on iOS + Chrome. Instead, Apple FairPlay Streaming is used for iOS v13.1 and after.

(*2) On using Apple FairPlay Streaming, you need to request a FairPlay Streaming to Apple.

High Availability with Multi-Cloud

Multi DRM Kit runs on multiple cloud environments enabling highly available service suitable for mission critical services.

We have served many customers with important events without any outage for many years.



High throughput covering big events

Multi DRM Kit provides high throughput which meets demand of customers with enormous amounts of access.

Even when on big events such as a world class sports event or a big music event, we provide high throughput enough to process tons of requests.



Highly Reliable Service

“ABEMA” delivered a live streaming for the world-wide sport event held on November 2022. Our Multi DRM Kit was used for DRM due to the high reliability.

Background

When AbemaTV acquired the distribution rights of the world-wide sport event in Japan, DRM was mandatory for live streaming on their service “ABEMA”.

It could be easily estimated that enormous amount of request would come since it is a popular sport event in Japan. Due to the characteristics of the event, service outage could not be allowed.

AbemaTV decided to adopt Multi DRM Kit for the high reliability.



The Results and Effects

The maximum DRM license requests per second was over 70,000 during the event, though Multi DRM Kit provided enough capacity for the large event, leading to a stable live streaming throughout the event.

The live streaming event ended at a great success, blasting a new record of viewer ratings on ABEMA. The service gained a lot of awareness in Japan for success in the live event.