



# **Rev<sup>®</sup> Media Management Platform**

vbrick rev v7.40

Release Notes



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## About Vbrick Systems

Founded in 1998, Vbrick Systems is a privately held company that has enjoyed rapid growth by helping our customers successfully introduce mission critical video applications across their enterprise networks. Since our founding, Vbrick has been setting the standard for quality, performance and innovation in the delivery of live and stored video over IP networks—LANs, WANs and the Internet. With thousands of video appliances installed world-wide, Vbrick is the recognized leader in reliable, high-performance, easy-to-use networked video solutions.

Vbrick is an active participant in the development of industry standards and continues to play an influential role in the Internet Streaming Media Alliance (ISMA), the MPEG Industry Forum, and Internet2. In 1998 Vbrick invented and shipped the world's first MPEG Video Network Appliance designed to provide affordable DVD-quality video across the network. Since then, Vbrick's video solutions have grown to include Video on Demand, Management, Security and Access Control, Scheduling, and Rich Media Integration. Vbrick solutions are successfully supporting a broad variety of applications including distance learning and training, conferencing and remote office communications, security, process monitoring, traffic monitoring, business and news feeds to the desktop, webcasting, corporate communications, collaboration, command and control, and telemedicine. Vbrick serves customers in education, government, healthcare, and financial services markets among others. Vbrick products are manufactured in an ISO certified manufacturing facility.

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# Release Notes v7.40

Vbrick Rev enables organizations to unleash the power of video to educate, inform and inspire employees anywhere and on any device. Its ease of use increases engagement and adoption by delivering the same consumer-grade experience employees expect from their use of video and social media sites. Customers can stream high quality live and on-demand video across their own networks using Rev's embedded eCDN capabilities, which ensure that video uses the least possible bandwidth. This document contains Release Notes for the latest version of Rev.

## We are moving!

Rev Documentation has a new home. Beginning with v7.41, Rev Documentation and APIs will have a new home. Better organization, better search, better everything you need Rev-related!

Come check out our [Early Access version for v7.40](#).

## New Features

Feature	Description
Live Subtitles for Encoder-Sourced Events	<p>Cloud customers with a Rev IQ license can now send their encoder-sourced streams to Rev for transcription, translation, and automatic distribution similar to VCI and Webex-sourced events. This feature is also API supported.</p> <p><b>See:</b></p> <ul style="list-style-type: none"><li>• <a href="#">Enable Rev IQ Transcription and Translation</a></li><li>• <a href="#">Add a Presentation Profile &gt; Push to Rev IQ (New)</a></li><li>• <a href="#">Enable and Translate Subtitles for a Live Webcast Event</a></li></ul>
RTMP(S) Sources for Webcasts	<p>We've simplified getting streams into Rev. Customers can now push RTMP or RTMPS directly as sources into Rev Events without relying on a DME redirection. This supports 3rd party hardware and software encoders, as well as online video production tools that provide RTMP or RTMPS streams as outputs. This update includes API support.</p> <p><b>See:</b></p> <ul style="list-style-type: none"><li>• <a href="#">Stream an RTMP/RTMPS Sourced Webcast Event (New)</a></li></ul>
Webcast Automatic Recording	<p>Event Hosts are now able to set a webcast to record automatically in advance in the <b>Webcast Recording</b> section of event settings while retaining the ability to manually start or pause recording during the broadcast.</p> <p>This event-level <b>Automatic Recording</b> flag is dependent upon the account-wide webcast recording flag setting that is configured by an Account Admin.</p> <p><b>See:</b></p> <ul style="list-style-type: none"><li>• <a href="#">Configure Webcast Recording</a></li><li>• <a href="#">Schedule a Webcast Event (Webcast Recording Section)</a></li></ul>

Feature	Description
Webcast Branding	<p>System level branding options that have been set by an Account Admin now apply to Rev webcasts. In addition to this, Event Hosts have the ability to theme individual webcasts through a new section during event set up.</p> <p>The <b>Event Branding</b> section allows a custom logo, text, background, and accent colors on a per webcast basis. Branding options that are selected may also be saved to webcast templates. This update includes API support.</p> <p><b>See:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Apply Custom Branding to a Webcast Event (New)</a></li> </ul>
Webcast User Engagement Enhancements	<p>Event Hosts now have additional options to provide interactive experiences for the in-person attendees of an event. New attendee engagement enhancements include:</p> <ul style="list-style-type: none"> <li>• Ability to include up to 15 answers on a poll and more intuitive styling to indicate when there are multiple polls available</li> <li>• A richer webcast chat experience that allows attendees to better express themselves using bold, underline, strikethrough, and emojis</li> <li>• Note that emojis can now be used throughout Rev where text/description fields are used in the rich text editor</li> </ul> <p><b>See:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Add a Poll to a Webcast Event</a></li> <li>• <a href="#">Submit an Answer to a Poll During a Webcast Event</a></li> <li>• <a href="#">Submit a Chat Comment During a Webcast Event</a></li> </ul>
AWS CDN Availability	<p>Vbrick is now providing the ability to utilize <b>AWS CloudFront for CDN</b> distribution. Current customers that utilize Akamai are being provided a migration tool which automatically converts Akamai pushes (as defined within the Rev DME <b>Create URLs</b> feature) over to AWS. Configurations that include Akamai within <b>Custom Devices</b> will require additional steps.</p> <p>This migration will require scheduling with Vbrick Product Operations, so please contact your Customer Support Manager.</p> <p><b>See:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Add a DME Video Stream Dynamically &gt; Use Case: AWS CDN (New)</a></li> </ul>
Thumbnail Picker	<p>You are now able to pick a point in a video to be the thumbnail image and set it with the click of a button.</p> <p><b>See:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Set a Custom Thumbnail for a Video</a></li> </ul>

Feature	Description
Additional Enhancements:	<ul style="list-style-type: none"> <li>Admin accounts now have the ability to always download videos no matter what global setting is enabled for downloading <ul style="list-style-type: none"> <li><a href="#">Allow Downloads on All Media</a></li> <li><a href="#">Allow Downloads for Video Backup</a></li> </ul> </li> <li>Account Admins can now specify a data retention period for webcasts, after which all personally identifiable information and other data is deleted <ul style="list-style-type: none"> <li><a href="#">Set a Webcast Data Retention Policy</a></li> </ul> </li> <li>Account admins can now specify the default sort order for videos in search <ul style="list-style-type: none"> <li><a href="#">Set the Default Sort Order for All Videos</a></li> </ul> </li> <li>Account admins can now determine whether moderators can expel users from a webcast <ul style="list-style-type: none"> <li><a href="#">Allow Moderators to Remove Attendees</a></li> </ul> </li> <li>Additional DME/Rev features including enhanced DME Stream Authorization that removes the need for 3rd party support; an updated internal DME caching engine and multiple DME security enhancements. <ul style="list-style-type: none"> <li><a href="#">Enable DME Stream Authorization Lockdown</a></li> <li><a href="#">DME Stream Authorization Lockdown Management</a></li> </ul> </li> </ul>

## Issues Addressed

Issue	Resolution
Issue (AV-25601)	Fixed issue where video editing was failing on large recorded video conference calls.

## API Revisions

The [Rev Developer's Site](#) contains complete details and usage examples on how to use each API. View the [Announcements](#) page for ongoing Rev API V2 updates.

API	Update Type	Description
<a href="#">Create a Webcast</a> <a href="#">Edit a Webcast</a> <a href="#">Start Event</a>	update	<p><b>Live Subtitle for Encoder-Sourced Events Support</b></p> <p>The POST/PUT/START event endpoints now support live subtitles for webcasts that use Rev IQ-enabled presentation profile video sources.</p> <p>To enable live subtitles on an encoder-sourced event via API, transcription and translation must be enabled, Rev IQ credits must be available, and the event must be using a Rev IQ enabled presentation profile.</p>

API	Update Type	Description
<a href="#">Create a Webcast</a> <a href="#">Edit a Webcast</a> <a href="#">Get Webcast Details</a>	update	<b>RTMP(S) Sourced Webcast Support</b> The POST/PUT/GET event endpoints now support RTMP(S) sourced webcasts including the ability to regenerate the RTMP URL and key needed.
<a href="#">Upload Webcast Branding</a> <a href="#">Get Webcast Details</a>	new/update	<b>Webcast Branding Support</b> New multi-part API for customizing the look and feel of an individual webcast with branding parameters. When the webcast is loaded by a user, the branding parameters are applied.  The parameters are also returned by the GET endpoint.
<a href="#">Partially Edit a Webcast</a>	new	<b>External PATCH support</b> for editing a webcast per JSON patch specification added.

## Important Notes

Please review these notes as they often change per Rev platform release. Contact the Vbrick Support staff if you have any questions or concerns.

### VBM Update

The recent changes to security certificates and their allowable expiry dates has introduced the need for yearly updates. The certificate provided with VBM v.1.4 expires 7/30/2021. We will be providing a Vbrick Multicast Agent update by May 15 on the Customer Portal.

This update will include a new security certificate – good for one year. Customers using VBM should plan to upgrade to the new VBM before the 7/30/2021 deadline to avoid disruption in the use of VBM. Customers who utilize their own certificate should review their expiry dates also.

### LDAP Update

With each Rev release, there is an LDAP Connector release. Please review your version.

### Flash End of Life

As of Rev v7.40, and due to Flash reaching end of life, Rev will no longer serve Flash playback URLs.

### Rev API V1 End Of Life

Rev API v1 is no longer supported as of Rev v7.40. Please migrate to Rev API v2.

### Rev Cloud Specific Notes

#### Allowlisting and Required Rev URLs

Accessing Rev Cloud requires that customer DMEs and all end user's browsers are able to access certain Rev URLs. Some customers leverage browser, proxy, or firewall lists to restrict URLs that can be accessed from within their environment. For those customers, along with adding your main Rev URL to the listed sites, it is important to add the data center URLs



below to the Allowlist sites (or preferably add a more generic \*.us.vbrickrev.com, \*.eu.vbrickrev.com, \*.au.vbrickrev.com Allowlist rule).

Note that your welcome e-mail will contain the main Rev URL that you use to access Rev or it may be a custom URL that you requested. Those accessing our cloud-based CDN will use something similar to \*.akamai.net. Contact Vbrick Support if you have any questions.

Note which data center you are hosted in to add the sites below in addition to your main Rev URL:

### North American Data Center

Used By User (Browser)	Used By DME
<a href="https://media.us.vbrickrev.com">https://media.us.vbrickrev.com</a>	<a href="https://media.us.vbrickrev.com">https://media.us.vbrickrev.com</a>
<a href="https://static.us.vbrickrev.com">https://static.us.vbrickrev.com</a>	<a href="https://dme-update.us.vbrickrev.com">https://dme-update.us.vbrickrev.com</a>
<a href="https://northamerica.rev.vbrick.com">https://northamerica.rev.vbrick.com</a>	<a href="https://media-alt.us.vbrickrev.com">https://media-alt.us.vbrickrev.com</a>
<a href="https://webexlive.rev.vbrick.com">https://webexlive.rev.vbrick.com</a>	<a href="https://vbrick-prod01-dme-logs.s3.amazonaws.com">https://vbrick-prod01-dme-logs.s3.amazonaws.com</a>
<a href="https://rev-connect.us.vbrickrev.com">https://rev-connect.us.vbrickrev.com</a>	<a href="https://gs-streaming-prod01.s3.amazonaws.com">https://gs-streaming-prod01.s3.amazonaws.com</a>

### EU Data Center

Used By User (Browser)	Used By DME
<a href="https://media.eu.vbrickrev.com">https://media.eu.vbrickrev.com</a>	<a href="https://media.eu.vbrickrev.com">https://media.eu.vbrickrev.com</a>
<a href="https://static.eu.vbrickrev.com">https://static.eu.vbrickrev.com</a>	<a href="https://dme-update.eu.vbrickrev.com">https://dme-update.eu.vbrickrev.com</a>
<a href="https://europe.eu.vbrickrev.com">https://europe.eu.vbrickrev.com</a>	<a href="https://media-alt.eu.vbrickrev.com">https://media-alt.eu.vbrickrev.com</a>
<a href="https://webexlive.eu.vbrickrev.com">https://webexlive.eu.vbrickrev.com</a>	<a href="https://vbrick-prod02-dme-logs.s3.amazonaws.com/">https://vbrick-prod02-dme-logs.s3.amazonaws.com/</a>
<a href="https://rev-connect.eu.vbrickrev.com">https://rev-connect.eu.vbrickrev.com</a>	<a href="https://gs-streaming-prod-02.s3.amazonaws.com/">https://gs-streaming-prod-02.s3.amazonaws.com/</a>

### AU Data Center

Used By User (Browser)	Used By DME
<a href="https://media.au.vbrickrev.com">https://media.au.vbrickrev.com</a>	<a href="https://media.au.vbrickrev.com">https://media.au.vbrickrev.com</a>
<a href="https://static.au.vbrickrev.com">https://static.au.vbrickrev.com</a>	<a href="https://dme-update.au.vbrickrev.com">https://dme-update.au.vbrickrev.com</a>
<a href="https://asiapacific.au.vbrickrev.com">https://asiapacific.au.vbrickrev.com</a>	<a href="https://media-alt.au.vbrickrev.com">https://media-alt.au.vbrickrev.com</a>
<a href="https://webexlive.au.vbrickrev.com">https://webexlive.au.vbrickrev.com</a>	<a href="https://vbrick-prod03-dme-logs.s3.amazonaws.com/">https://vbrick-prod03-dme-logs.s3.amazonaws.com/</a>
<a href="https://rev-connect.au.vbrickrev.com">https://rev-connect.au.vbrickrev.com</a>	<a href="https://gs-streaming-prod-03.s3.amazonaws.com/">https://gs-streaming-prod-03.s3.amazonaws.com/</a>

### Rev Connect Note

You should *only* allowlist outbound connections of Rev Connect URLs if you are using Rev Connect. Otherwise, this is not required.

### Browser / Video Playback Notes

- IE9 and IE10 are no longer supported browsers on Rev. Compatibility Mode settings on IE11 is supported.

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- Muted Playback: If your videos and playlists are set to autoplay, be aware that they will start muted. This also applies to your Webcast events in that, when an attendee joins an event, video for the event plays automatically starting muted as a result. Users can then unmute it just as with videos and playlists.

### Browser / Certificate Restrictions

In a move to improve security, Apple announced that starting September 1st, 2020 its browsers would no longer trust SSL/TSL certificates that meet two criteria: (1) issued ON or AFTER September 1, 2020, and (2) have validity periods greater than 398 days. (Additional details can be found at: <https://support.apple.com/en-us/HT211025>.) Other browsers followed suit to meet the same restrictions.

This restriction does not apply to servers with SSL/TLS certificates issued *before* September 1st, 2020. Those certificates will be honored until expiry date.

Vbrick brings this to your attention so that, starting September 1,2020, all SSL/TLS certificates requested and issued should be verified to meet this validity restriction. Specifically, this is important when you procure SSL/TLS certifications from Certificate Authorities for Web-serving devices—including Vbrick Encoders, Vbrick DMEs, and custom certificates for VBM, and On-Premise Vbrick Rev servers.