Kaltura On-Prem™
Release Notes

Version: Eagle

Kaltura Business Headquarters

200 Park Avenue South, New York, NY. 10003, USA

Tel.: +1 800 871 5224

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Kaltura On-Prem Edition

Kaltura provides the world's first Open Source Online Video Platform. Over 150,000 media and entertainment companies, enterprises, SMBs, educational institutions, service providers, platform vendors, and system integrators use Kaltura's flexible platform to enhance their websites, web-services, and web-platforms with advanced customized video, photo and audio functionalities. Kaltura's features and products enable you to easily deploy custom work-flows involving video creation, ingestion, publishing, management, syndication, engagement, monetization, and analysis.

The Kaltura On-Prem Edition is Kaltura's full featured self-hosted video platform software installed on your own servers or cloud and supported and maintained by Kaltura.

Kaltura On-Prem Version Eagle

Kaltura On-Prem version Eagle is based on the Eagle release of the Kaltura online video platform. Version Eagle provides new features, infrastructure enhancements, and new API services.

Supported/Tested OS

Kaltura On-Prem was tested on the CentOS 6.2/64bit operating system.

> NOTE: While it is possible to install Kaltura On-Prem on other Linux distributions and on a 32-bit server, these configurations were not tested by Kaltura.

New Features and Capabilities

Version Eagle includes the following *main* new features and infrastructure changes.

- **New Upload Tab** – Upload and prepare media entries directly from the main Kaltura Management Console (KMC) menu, regardless of the page you are working on.
- **Upload Control** – Manage and control your uploads, set priorities, track progress, and continue working in the KMC while your uploads continue to process in the background.
- **In Video Search** – Use Kaltura's new *In Video Search* API to search for a specific phrase in a library of videos and find the exact point in the video where the phrase appears.
- **Multilingual Captions** – Upload caption files directly to the KMC in different languages and formats. Allow users to select their preferred language and caption setting.
- **Clipping and Trimming** – Create clips from existing videos. By setting in and out

points, each clip becomes an individual media entry encoded in multiple flavors that can be downloaded, distributed, and played on any device. You can also simply trim the length of a video. You can clip and trim directly from the KMC.

- **Advertising** – Insert cue-points and add mid-roll and overlay ads in any video.
- **Metadata Improvements and Related Files** – Manage multiple metadata schemas and append related documents to media entries.
- **Advanced Ingestion Capabilities**:
  - Control the order of ingestion. Create Draft Entries with metadata and attach the video later.
  - Use your own transcoders and ingest the output flavors to Kaltura.
  - Host videos at your preferred location and link to Kaltura.
  - Automate content ingestion using Drop Folders.
  - Seamlessly replace video assets for a Kaltura entry. Media is replaced in all live and syndicated players.

For more information, please refer to:

- *Kaltura Management Console (KMC) User Manual*, included in the software package
- Kaltura Eagle Release – What's New?

Features that Require Third Party Integration

Some features offered in conjunction with the Kaltura On-Prem video platform software require integration with third party software or hardware. The table describes the features and the customization and third party software that may be required.

Premium Feature	Description	Required 3rd Party Software
Akamai HD Network and Apple HTTP streaming	Requires content delivery through Akamai	Akamai CDN account
Analytics – for capturing CDN bandwidth usage	CDN log integration is needed (Version Eagle already is integrated with CDN logs of Akamai, limelight, level3).	CDN account
RTMP delivery or adaptive bit rate delivery	Requires CDN/FMS integration	CDN or FMS
User geo-distribution analytics and/or access control	Requires ip2location DB license	
Side-by-side video and PowerPoint	Ability to show a dual-head display. For example, enable the viewer of interactive lectures to skip between slides and the video automatically	Microsoft 2008 server (See Appendix A: Microsoft Document Server Requirements)

Premium Feature	Description	Required 3rd Party Software
	seeks the correct location. Customization includes setting up a licensed windows server and adding required conversion flavors.	
Webcam recorder widget	Allows users to record video directly from a webcam and to add metadata Requires integrating with the customers' Flash Media Server (FMS). For example, FMS/Adobe/Wowza/Red5.	If FMS, use only FMS Interactive server v3.5
HTTPS encryption for login	Requires the creation of an HTTPS certificate by the customer and an integration effort	You can install certificates either on the load balancer or directly on the servers.
Single sign-on (SSO) integration	Requires integration with an external authentication server to enable external user management and access to already logged in users.	Prerequisite: authentication server details.
RTMP from FMS	Only for delivering video on demand	For Red5/Wowza/FMS. Depends on a discovery effort.
In Video Search	Enables searching across all videos in your system using the Kaltura API and video caption indexing	Requires designing and coding a search page
Live streaming	Live streaming using a different media server than the included Akamai	For Akamai, requires configuration only. For Wowza or any other CDN, requires a specific integration project.
KMC localization	Translation of all KMC strings, providing a localized experience for the KMC	Requires a translator for all email and KMC texts, and providing the translated content to Kaltura
Custom player skins	Customize the look, feel, and functionality of the Kaltura player.	Requires graphic design, which Kaltura can provide

Known Issues

Version Eagle includes the following known issues.

ID	Description
Q 1291	Switching to full screen while displaying a post roll or a mid-roll overlay ad causes the ad to visibly float to the correct position, instead of immediately reappearing in the correct position.
Q 1290	In certain conditions, switching to full screen mode while displaying an overlay ad causes the overlay ad to disappear.
Q 1293	**baseEntry->add "type" parameters is deprecated in the API:** In the API, the *baseEntry->add type* parameter is now deprecated and will be ignored. The entry type now is defined using the *entry_type* parameter.
Q 1294	**Different behaviors for auto-moderation, depending on which API is used:** When a partner is set with auto-moderation and a new playlist is added: 1. The playlist is auto-moderated if the playlist is added using the *baseEntry->add* API action. 2. The playlist is *not* auto-moderated if the playlist is added using the *playlist->add* API action.
Q 1311	**Resizing the player while paused does not immediately resize the captions:** When a video with captions is playing, clicking Pause and then changing the screen mode does not immediately resize the captions to the new screen size. The captions are correctly resized only when Play resumes.

Appendix A: Microsoft Document Server Requirements

Hardware Requirements

- Minimum 4GB RAM
- 1x4 CPU
- Minimum 80GB hard drive
- Win2k8 Enterprise R2 64 bit

Software Requirements

Installed Microsoft Features

- .NET 3.5.1
- Desktop experience

Prerequisite Software on the Server

- XAMPP 1.7.1 on port 8080
- OpenOffice 3.2.1
- MS Office Professional 2007
- PDF Creator 1.0.2 (standard installation)
- make PDFCreator the default printer
- Place RunAffinityCmd.exe in C:\
- (Optional) Mediainfo 0.7.29