



Release Notes

eMAM Version 5.2

Sept 2020

Notice

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Introduction

eMAM™ is a powerful media asset management platform that provides users an intuitive web interface to collaboratively produce, share, and deliver video and other media. EMAM, Inc. has taken a ground-breaking approach to create a flexible, feature-rich, and modular digital asset management platform. Artists and designers use integrated tools inside Adobe Creative Cloud and Apple Final Cut systems. With built-in tools and over 80 technology partners, eMAM manages native resolution files and integrated workflow processes needed by leading organizations worldwide, since 2006, in local, cloud, and hybrid environments. Our continued endeavor is to give our customers a feature rich and a stable product. EMAM, Inc. has always been in the forefront to adapt and adopt to cutting edge technologies and provide our customers with the best in breed integrations to meet their ever-evolving media workflow needs. EMAM, Inc. continues to strengthen its core eMAM product line to manage digital workflow processes for its customers and is committed to provide its customers best in class technology workflow solutions with seamless user experience.

EMAM, Inc. proudly rolls out its latest eMAM version 5.2 enriched with some exciting new features like direct ordering of eMAM Cloud from *AWS Marketplace*, *Alibaba Cloud Marketplace* and from emamcloud.com, support for more broadcasting tools like BFX and TX processing, more and improved editing tools like Adobe panels, Apple FCP extension, cloud/remote editing with AWS, Lucid Link and Teradici, sequence stitching & delivery, improved project collections, better ingest tools using live multicamera ingest, edit while capture, improved search, additional storage and archive options and so on. More info of each and every feature is listed below in detail.

What's New at a Glance

This document explores the new features, enhancements or improvements applied in the eMAM 5.2 version to provide end users with some engaging experiences. For details on the bugs fixed with this release, you can refer [Bug Fixes eMAM 5.2](#) doc. For details on new features and enhancements made after the release of eMAM version 5.2, please refer [eMAM 5.2- New Features and Enhancements](#) doc. Read on for a quick introduction to these new features at various interface levels.

New Features and Enhancements

1. Introduced “eMAM Cloud”

EMAM, Inc. has launched “**eMAM Cloud**” as its latest public cloud product line which is now listed on AWS Marketplace & Alibaba Cloud Marketplace. Customers can also directly order and subscribe to eMAM Cloud software from emamcloud.com using a CloudFormation template. eMAM Cloud uses cloud technologies to provide intuitive tools, best-in-class security, and compelling features which can be deployed in just few minutes.



eMAM Cloud is available both as a Software as a service (SaaS) and Platform-as-a-service (PaaS) models. Organizations will either provide their own infrastructure and services with the cloud provider (**eMAM Cloud Platform-PaaS**) or will have eMAM and the cloud provider manage everything (**eMAM Cloud Service-SaaS**) for them.

- **eMAM Cloud Service** is a *Software-as-a-Service (SaaS)* model to manage the digital assets from a central location using AWS or Alibaba Cloud platform. It offers customers the power and flexibility of the complete eMAM system without the cost of purchasing, installing, and maintaining an on-site installed system and the infrastructure to support it. This SaaS (Software as a Service) option provides the power, flexibility, and accessibility of the public cloud completely managed for the customer. It is available from AWS and Alibaba Cloud Marketplaces and from emamcloud.com for customers to purchase as a direct SaaS solution.



eMAM Cloud Services is available in two packages:

1. **eMAM Cloud Service- Preserve** for intelligent archive with AI tagging and universal access of cloud stored content. More storage and users are available at additional cost. Features offered in **eMAM Cloud Service- Preserve (eCS- Preserve)** include:
 - Ingest and upload media into S3 buckets. The system will automatically create lightweight proxy copies for easier use, securing the original media in archive storage.
 - Rekognition and Transcribe AI tools can derive meaningful insights such as find faces, keywords etc. and make transcripts to help find media.
 - Organize media into categories and subcategories, so you can control who accesses the content and what they can do.
 - Media can be searched, browsed, previewed and shared as links for review/approval links and multimedia emails.
 - Download native resolution media.
2. **eMAM Cloud Service- Create** is suitable for collaborative production with production asset management tools. This model is suitable for cloud video editing workflows. Features offered in the **eMAM Cloud Service- Create (eCS- Create)** are:
 - Users can ingest and organize media into projects and bins.
 - Using web interface mark, sub-clip, and put together a video sequence.
 - Editors and artists can download proxy or native resolution media through Adobe Creative Cloud panels.
 - Send review or approval links.
 - Finished projects can be shared using social media platforms.
 - Search and preview AI-tagged proxies.



- **eMAM Cloud Platform** is a *Platform as a service (PaaS)* model which offers customers the power and flexibility of the complete eMAM system to run on their cloud infrastructure. This model is available in the AWS Marketplace or Alibaba Cloud marketplace or emamcloud.com as an easily deployable AMI (*Amazon Machine Image*) with a configuration interface to connect various AWS micro-services like Lambda, S3, Glacier, Elemental Media Convert, Elastic Transcoding, Rekognition, Transcribe, etc.



eMAM Cloud Platform is available in two packages:

1. **eMAM Cloud Platform- Archive** for intelligent archive with AI tagging and universal access of cloud stored content. The **eCP- Archive** gives you web access to AI tagged proxy copies of all your media. You can search, browse, and share and securely download needed content. **eCP- Archive** allows you to manage and control your infrastructure use and spending.
 - Upload your media from any internet connection. The system will automatically create light-weight proxy copies for easier use for immediate use, securing the original media in Glacier Vault.
 - Rekognition and Transcribe AI tools will provide a transcript, find people, identify keywords, and more.
 - Organize media into categories and subcategories, so you can control who accesses the content and what they can do. Search, browse, and preview media. Send an email link for others to view.
 - Download needed media.
2. **eMAM Cloud Platform- Production** for collaborative production with production asset management tools. **eCP- Production** allows editors, artists, and others to collaborate worldwide. You can collaborate from the web interface, while editors and artists can use integrated Adobe Creative Cloud applications (*Premiere, After Effects, Photoshop, Illustrator, and InDesign*).
 - Ingest and organize media.
 - Store the media in your S3 buckets.
 - Use the web interface to find clips, mark, sub-clip, and build a timeline.
 - Editors can use their system to download native resolution or proxy edit versions.
 - They can send review/approval links.
 - Finished projects can be checked back into the system for sharing.



For more info, please refer: www.emamcloud.com / <https://vimeo.com/415174196>
 Remote editing in eMAM: <https://vimeo.com/415174196>

2. Increased support for broadcasting tools

eMAM integrates with **Morpheus** and **ICE** from Grass Valley to offer flexible and reliable playout solutions to meet the demands of the shifting media and broadcast industry. eMAM can now easily manage complex playout environments with the introduction of supports for BXF (*Broadcast Exchange Format*) delivery and TX processing.

3. Diverse and improved editing tools

eMAM also supports additional and improved editing tools like **Apple FCP extension**, improved Adobe panels. cloud/remote editing with AWS, and **Teradici**, sequence stitching & delivery etc. to keep your workflows run smoothly. Project collections have also been improved for enhanced team collaboration. eMAM integrates with **LucidLink** to accelerate your editing process and allows you to access media assets immediately without localizing it. High resolution editing and rendering is now possible using tools like **Teradici**, which allows you to remotely access the cloud-based workstations to maximize performance and minimize processing costs.

For more details on refer:

Apple FCP extension integration, refer <https://vimeo.com/416315970> / <https://vimeo.com/425315086>

LucidLink: <https://vimeo.com/445309280>

Improved Adobe panels: <https://vimeo.com/445307868>

4. Improved Ingest tools

eMAM now supports live multicamera ingest which have ability to ingest live feeds, edit while capture etc. to improve upon creativity, boost efficiency, and lower the cost of operations.

For additional info on *Live Workflows*, refer <https://vimeo.com/430340185>

5. Improved search

eMAM has improved its search function by introducing options like **Thesaurus** search and improved learning models for face training in the Azure Computer Vision Faces AI for better and intelligent search results.

6. More storage and archive options

With eMAM' s integration with **Qumolo** and **Storage DNA**, it now supports wide range of storage and archive options along with other options like mezzanine purging, deliver to S3 with file acceleration and transfer to **AWS Glacier** and **Deep Glacier**.

7. More sharing, streaming and control options

eMAM now provides options like, link & download of external media, a new *Classic* theme for sharing and integration with Wowza for proxy streaming. You now have more control over your assets with options like add and deliver associated files using "*Essence*" widget, scheduling metadata, signed URLs, encryption, improved automation tools, OKTA & Azure AD authentication, updated Zapier integration, more lambda options etc.

Let's have a detailed look at all the new features and enhancements at different eMAM interface levels:

eMAM Director interface:

1. Introduced STD and TX group tabs in Subclips

Subclips widget is now grouped into two tabs **Standard** & **Tx** and you can now create subclips under each tab.

Also, you can set/play the seek position in the player based on focus in *Set In* and *Set Out* textbox. Just click inside the *Set-In* box in the subclip widget, the player will automatically seek to the *Set-In* time and will start playing from that point. Similarly, click on *Set-Out* will adjust the play head and stop playing. If the focus is inside the *Set-Out* text box, pressing the key 'B' or 'b' will rewind 3 seconds and will start playing.

2. Introduced Standard and TX proxy edit permissions

Based on the two new subclips widget groups, the *Proxy edit* permission for subclips has now been split into two: **Standard Proxy Edit** & **TX Proxy Edit** for Standard & TX subclips groups respectively. These permissions are applied at *Category*, *User Group* and *Asset level*.

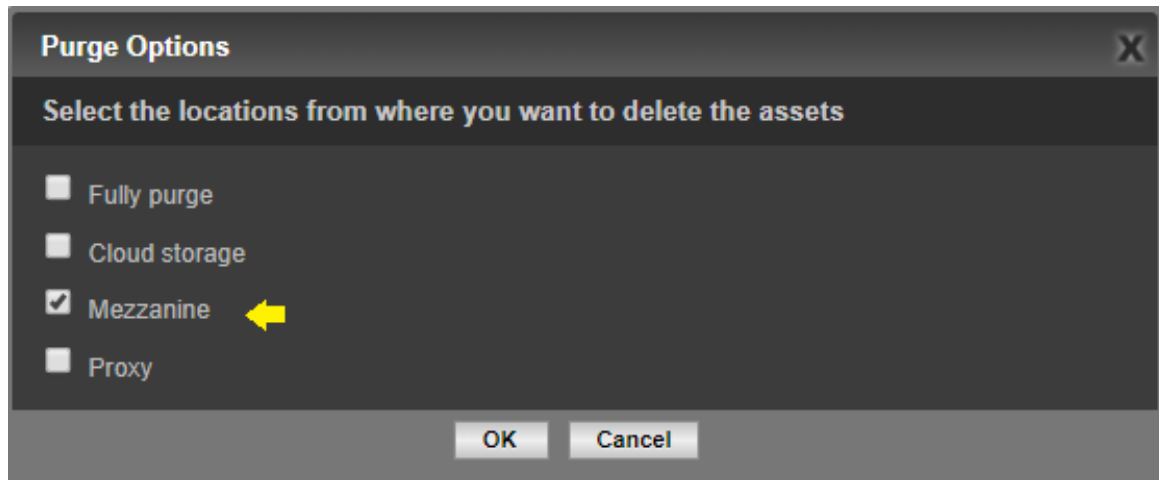
Category Permissions

Asset (Video & Audio)
Permissions

User Group Permissions

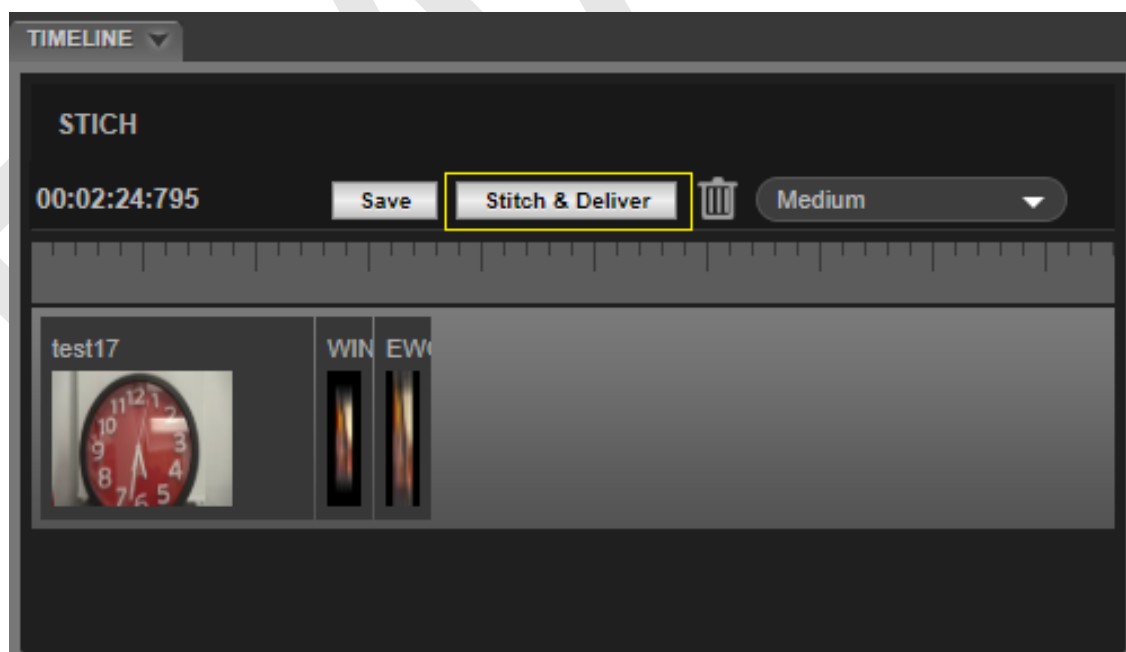
3. Option to purge mezzanine files

eMAM users will now have option to delete the mezzanine file when purging an asset.



4. Stitch and deliver Sequence

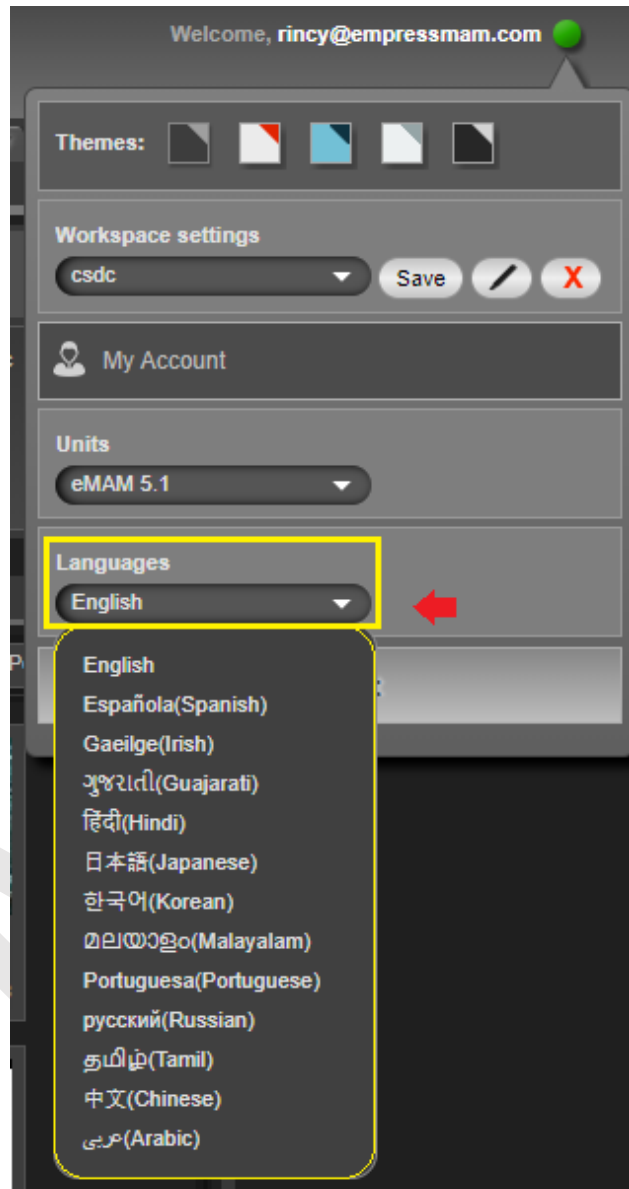
Now you can easily stitch and deliver the sequences as a single file using delivery profiles configured with FFmpeg transcoding. After a sequence is saved, just click on **Stitch & Deliver** button in the *Timeline* widget and you will be prompted to choose a delivery profile. The sequence will now be queued for delivery. You can monitor the delivery progress in the *Dashboard* widget>delivery queue.



Note: *Stitch and Deliver* option for sequences works only with delivery profiles configured with FFmpeg transcoding.

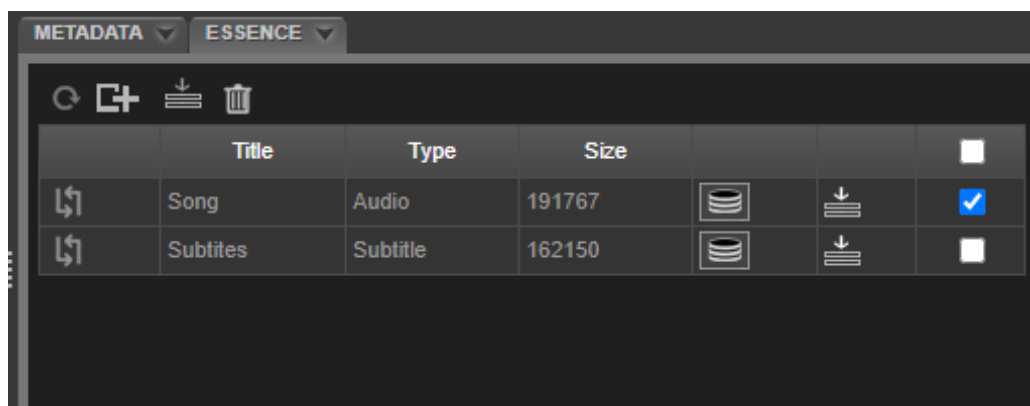
5. Option to select different languages for UI culture

eMAM users can now easily switch between different languages supported by eMAM and choose their desired language for the UI interface. Just click on the *Settings* button and choose your language from the list of languages displayed in the drop-down list. You can choose from any of the eMAM supported languages listed; Spanish, Irish, Gujarati, Hindi, Japanese, Korean, Malayalam, Portuguese, English, Russian, Tamil, Chinese and Arabic.




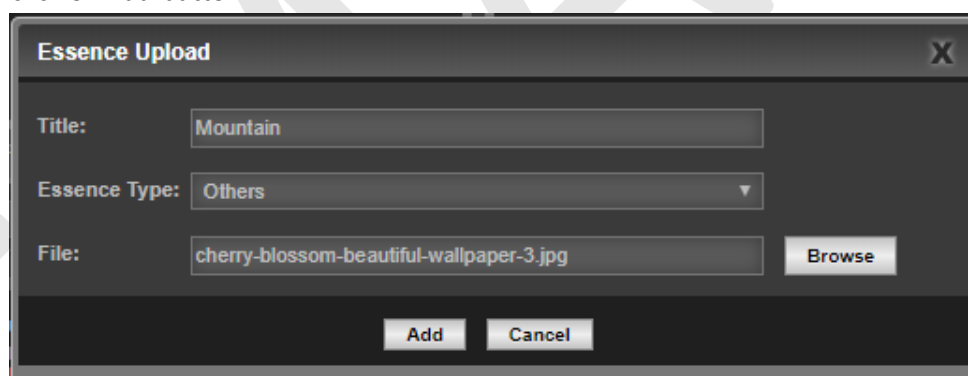
6. Introduced “Essence” widget

A new widget, “**Essence**” has been introduced in the eMAM Director interface to allow users to attach files (audio, subtitles or other files) to the assets. Storage location icon will display the file storage location and *Download* button can be used to download the attached file. You can also delete, bulk download (*using DeskLink*) and re-arrange the attached files.

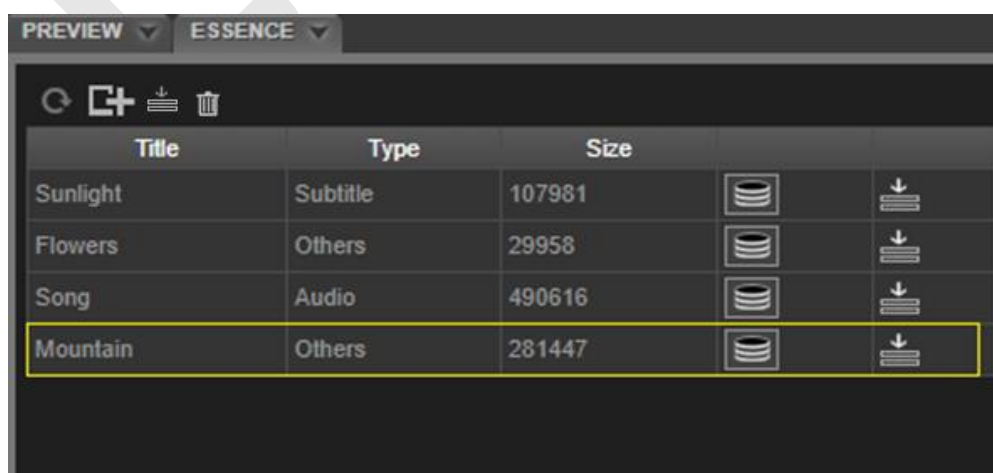


To attach files to an asset:

1. Click on the desired asset in the Browse widget and now click on the *Essence* widget.
2. In the *Essence* widget, click on the **Upload**  icon.
3. In the *Essence Upload* window, enter title, select the *Essence type*, browse and choose the file location and click on *Add* button.



4. After a while, the file is successfully uploaded and attached to the asset.



7. Introduced *Thesaurus* search option

eMAM now supports *Thesaurus* search for both *Basic & Advanced search*. Introduced a checkbox to enable or disable *thesaurus* in Advanced search. However, thesaurus can be enabled only if the *Full text search* checkbox is enabled.

The screenshot shows the 'Advanced search' modal window. It has tabs for 'Advanced search', 'Marker search', and 'Manage filters'. The 'Advanced search' tab is active. Below the search bar, there are radio buttons for search criteria: 'Exact match', 'Contains this word', 'Contains all these words', and 'Contains any of these words'. Below these, there are two checkboxes: 'Enable full text search' and 'Thesaurus'. Both are checked and highlighted with yellow boxes. Further down, there are sections for 'Search in' (with checkboxes for Title, Description, Author, Asset Id, etc.), 'Refine search' (with checkboxes for Video, Audio, Image, Other Files), 'Category' (with a dropdown and 'Include subcategories' checkbox), 'Asset state' (with checkboxes for Online storage, Archived), 'Approval status' (with checkboxes for All, Approved, Rejected, Pending for approval), and 'Rating' (with a dropdown). At the bottom are 'Search' and 'Reset' buttons.

eMAM users can now easily manage and configure *Thesaurus* from the *Admin Tools* widget. Just add your list of words and create an expansion list and save it. Words added and saved in this expansion list will also be considered when any search is initiated with *Thesaurus* option enabled.

The screenshot shows the 'Admin Tools: Thesaurus' interface. On the left is a sidebar with 'ADMIN TOOLS' and various icons. The 'Thesaurus' icon is highlighted with a yellow box. The main area shows the 'Admin Tools: Thesaurus' window. It has tabs for 'Add Expansion Set' and 'Delete Expansion Set'. Below these is a 'Search by Words' section with a search bar. A table lists expansion sets with columns 'Id', 'Words', and 'Added By'. The first row shows '1', 'Example, case, illustration, sample, specimen', and 'supportadmin@empressmam.com'. Below the table are 'Manage Thesaurus' and 'Configure Thesaurus' buttons. On the right, there is an 'Add Words' section with a 'Word' input field and an 'Add To List' button. Below this is a message: 'Words empty. Click on added values to remove from the list.'

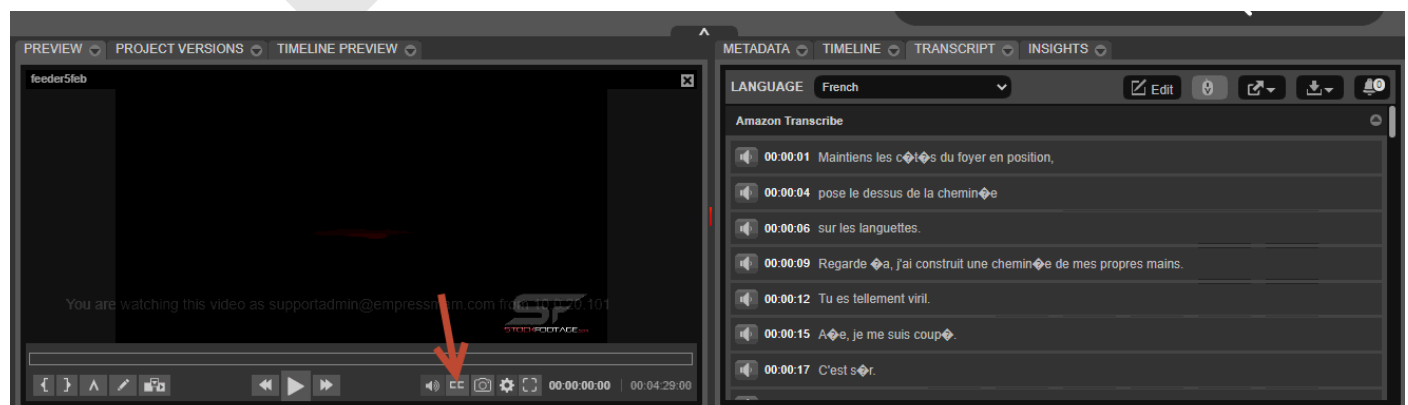
8. Highlighted selected asset:

The asset selected, now gets highlighted in the *Browse* widget.



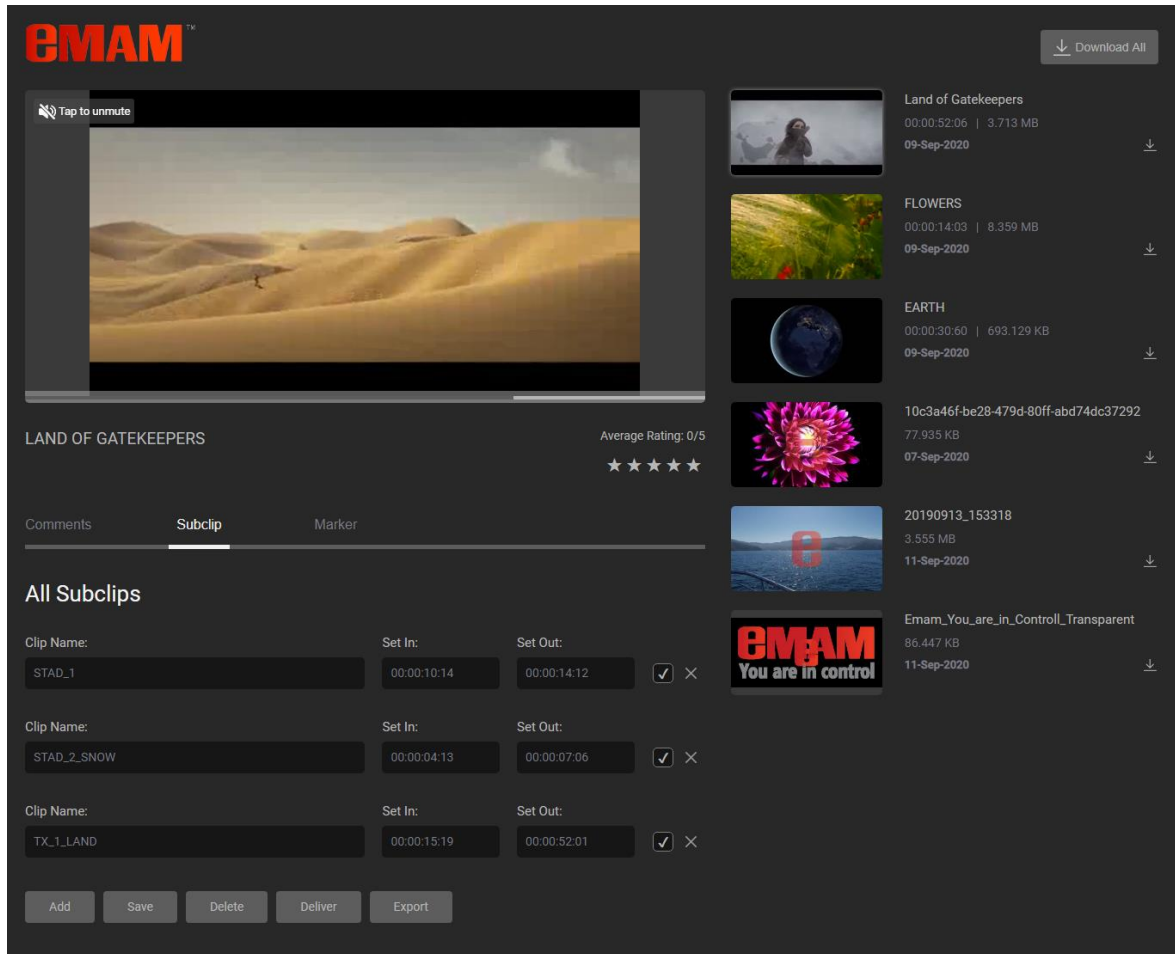
9. Introduced toggle button in preview player to turn on/off transcript subtitles.

A new CC button has been introduced in the preview player to show or hide the transcript subtitles. If the asset has subtitles already and the transcript accordion is expanded, then the default subtitles and the subtitle drop down menu are removed. If accordion minimized, then the default subtitles and subtitle menu will load (*if found*).

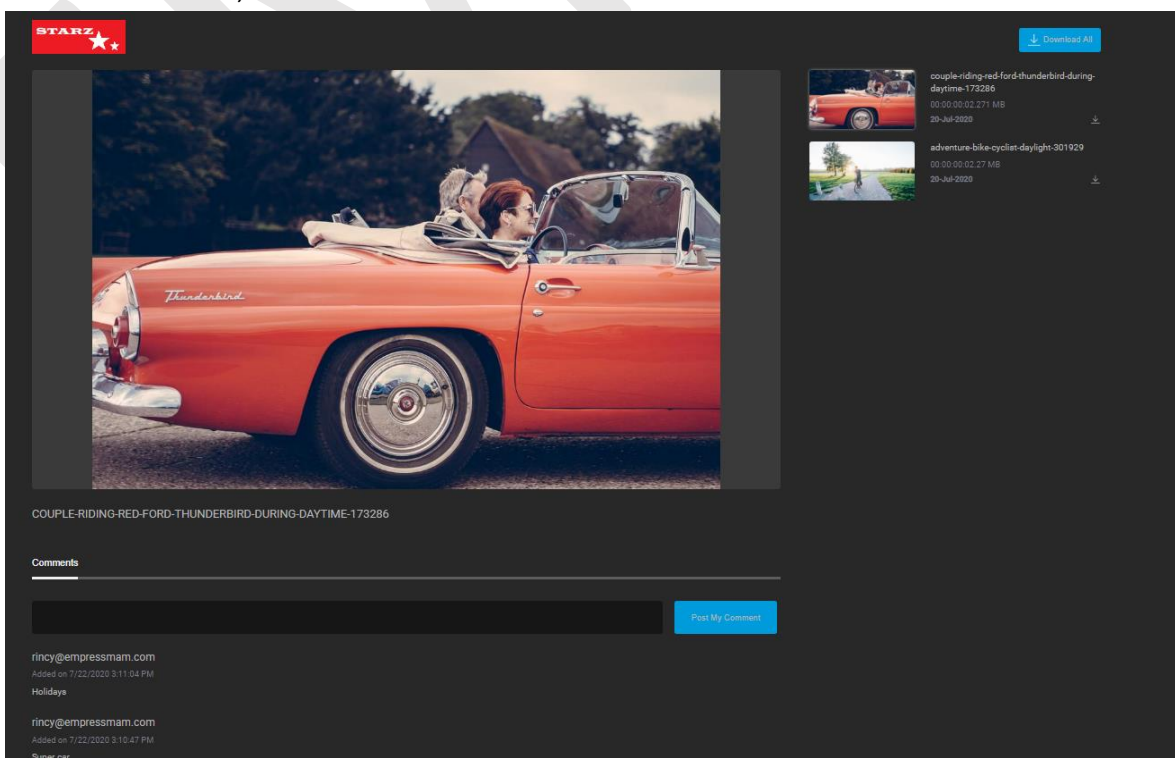


10. New sharing layout and Classic Theme for eSEND

eSHARE: A new sleek, borderless design layout has been introduced for eSHARE.

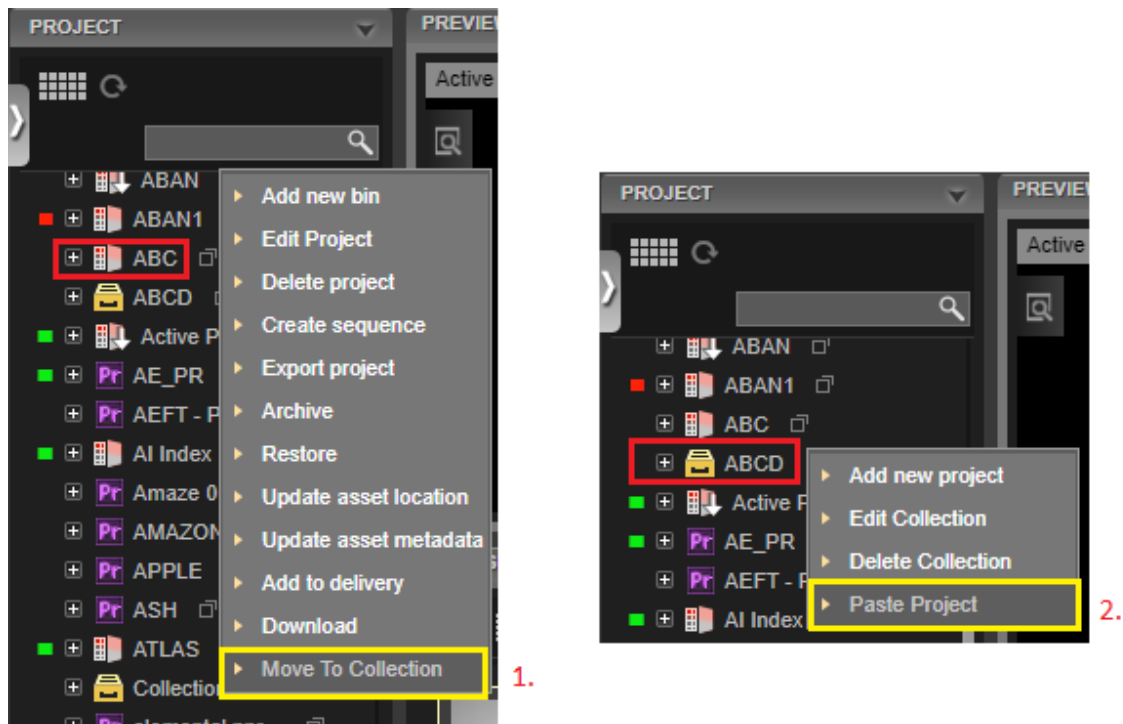


eSEND: Classic theme is set as default theme for eSend option. All the other themes can now be used only from the eMAM Client interface,



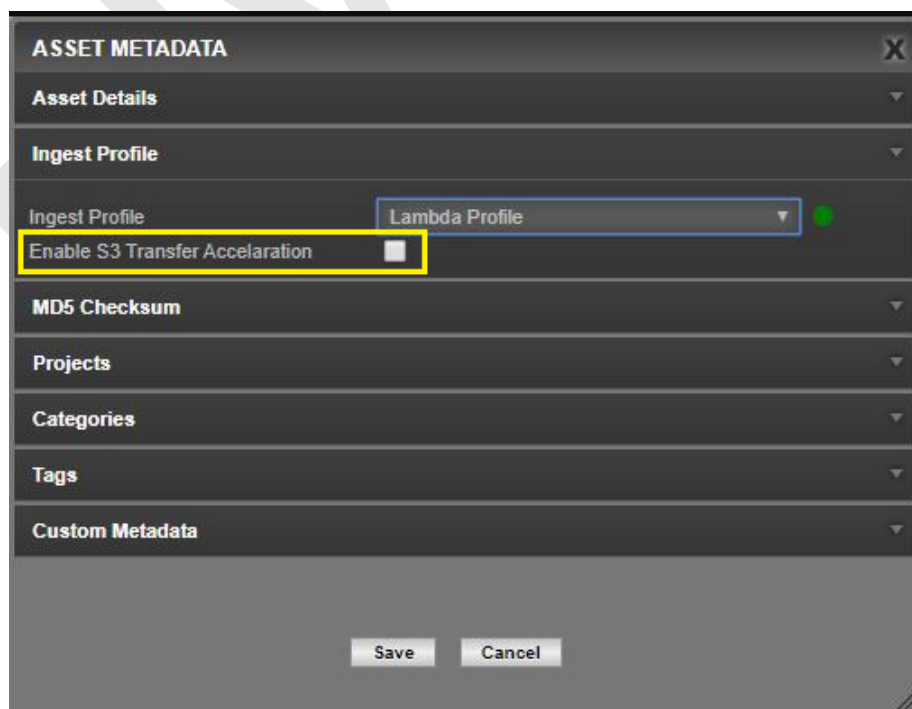
11. Introduced option to move projects to Collections.

You can now move any project under the *Project* widget to a *Collection* using *Move to Collection* option. Just click on the menu icon of the project you wish to move and select '*Move to Collection*' and then go the desired collection and click on the menu icon and choose '*Paste project*'.



12. Option to enable S3 transfer acceleration

During web upload ingest, if *Enable S3 transfer acceleration* checkbox is enabled in the *Asset metadata* window, S3 is used for upload and S3 URL is used for preview. This option can be configured/enabled in the *Super Admin Cloud Storage* section.



13. Improved Video Preview player

New features and buttons added to the HTML5 preview player are listed below:

- a. **Multiple audio channel selection support:** eMAM now supports multiple audio channels for assets. Just select from the *Audio Channels* dropdown in the player *Settings* window; Left, Right and Stereo. Note: *This option is available only for Chrome and Mozilla browsers and is not applicable for Live assets.*



- b. **Timecode display as overlay:** eMAM has introduced timecode display as an overlay in the HTML5 player. Click on the *Settings* button to open the *Settings* popup. You can enable the *Timecode* option and customize the *Position*, *Font* and *Opacity* of the timecode overlay.



You can automatically jump from one frame to another frame in the *Preview* player by editing the timecodes displayed in the player. In addition to scrubbing, the timecode is now displayed as tooltip when you hover on the seek bar.

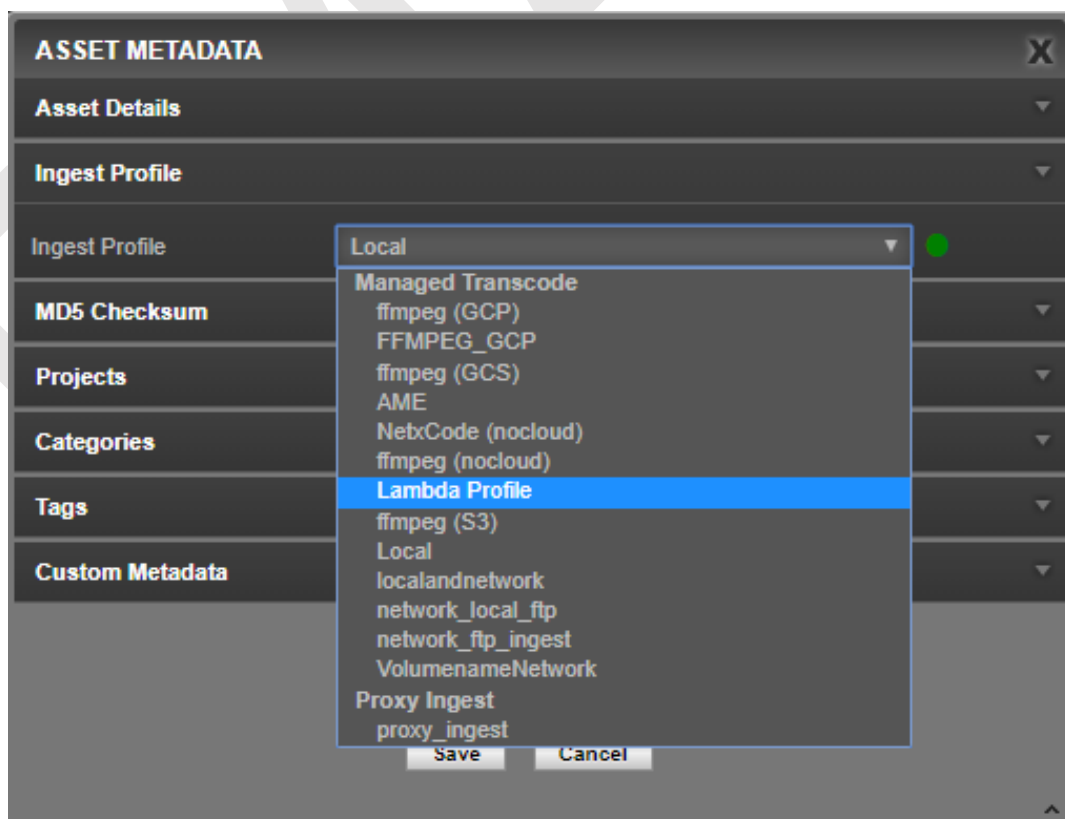


c. Keyboard shortcuts for Subclips widget.

1. Press "I" key to mark IN or start timecode of a subclip.
2. Press "O" key to mark OUT or end timecode of a subclip.
3. Press "S" key to save the created subclip.

14. Direct upload to S3 using Lambda ingest profiles

eMAM users can now directly upload files to the S3 buckets using *Lambda* ingest profiles. Just select the assets for upload, choose the *Lambda* ingest profile and click on *Upload*.



15. Option to export user list

eMAM users now have option to export the list of existing users to excel. Just click on *Export to excel*. An excel file with all user details gets downloaded on your system.

eMAM™ Admin Tools: Manage Users

Manage Users | Create User | Delete User | **Export to excel**

Search by email address: Online Offline Disabled

Name	Email ID	Role	Status
Anoop Thomas	athomas@empressmam.com	UNIT ADMIN	Online
Rincy Abraham	rincy@empressmam.com	UNIT ADMIN	Online
eMAM 51	51@empressmam.com	UNIT ADMIN	Online
Amal Thomas	amal@empressmam.com	UNIT ADMIN	Offline
Vetting Adobe	vetting@adobe.com	UNIT ADMIN	Online
user empress	user@empressmam.com	USER	Online
eMAM Public	public@empressmam.com	USER	Online
eMAM Metadata	metadata@empressmam.com	USER	Offline
Ajish Prabhakar	ajish@empressmam.com	UNIT ADMIN	Online
Doctor 1	doctor@emamonline.com	USER	Offline
Rincy A	rincyabraham12@gmail.com	UNIT ADMIN	Online
Anoop NR	pranoo@empressmam.com	UNIT ADMIN	Online

AllUsers.xls

16. Included Delivery Profiles tab for Registration forms

Included *Delivery Profiles* tab and also made *email id* and *domain* as mandatory fields while creating a registration form for users in the *Admin Tools* page.

eMAM™ Admin Tools: Manage Registration Forms

Manage Users | Create Reg Form | Delete Forms

Search by form name:

No registration forms Found

Create Reg Form

Form Name:

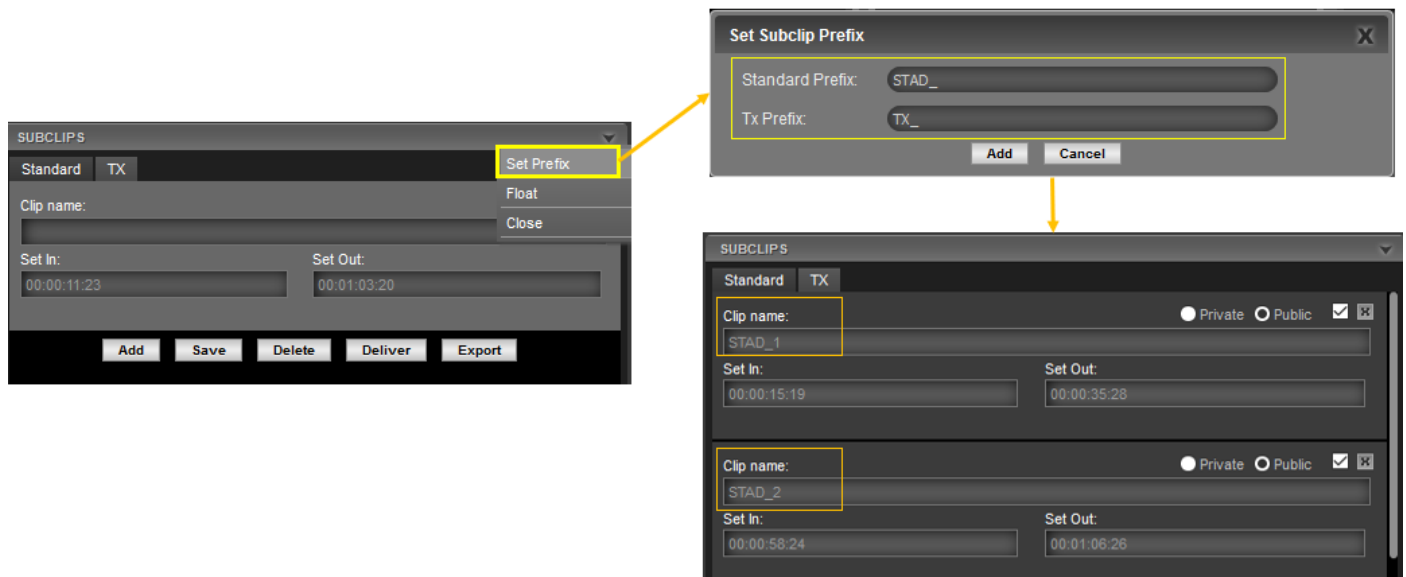
Fields | Details | Ingest Profile | **Delivery Profile** | Groups | Projects | Logo & Css

- ☐ Send to Playout
- ☐ Duplicate Profile [Individual XML]
- ☐ Duplicate Profile [Individual TEXT]
- ☐ Duplicate Profile [GROUP JSON]
- ☐ Duplicate Profile [GROUP XML]
- ☐ Duplicate Profile [GROUP TEXT]
- ☐ Duplicate Profile [GROUP NOTIFY]
- ☐ Subcln Delivery With XMI
- ☐ 8Mbps MP4 for Large format Displays
- ☐ eMAM XML Delivery
- ☐ Send to Media2Cloud
- ☐ Stich & Deliver
- ☐ EROS DELIVERY
- ☐ SEND ASSET COPY TO SDNA
- ☐ Duplicate Delivery [Individual Repeater XML]

Create Cancel

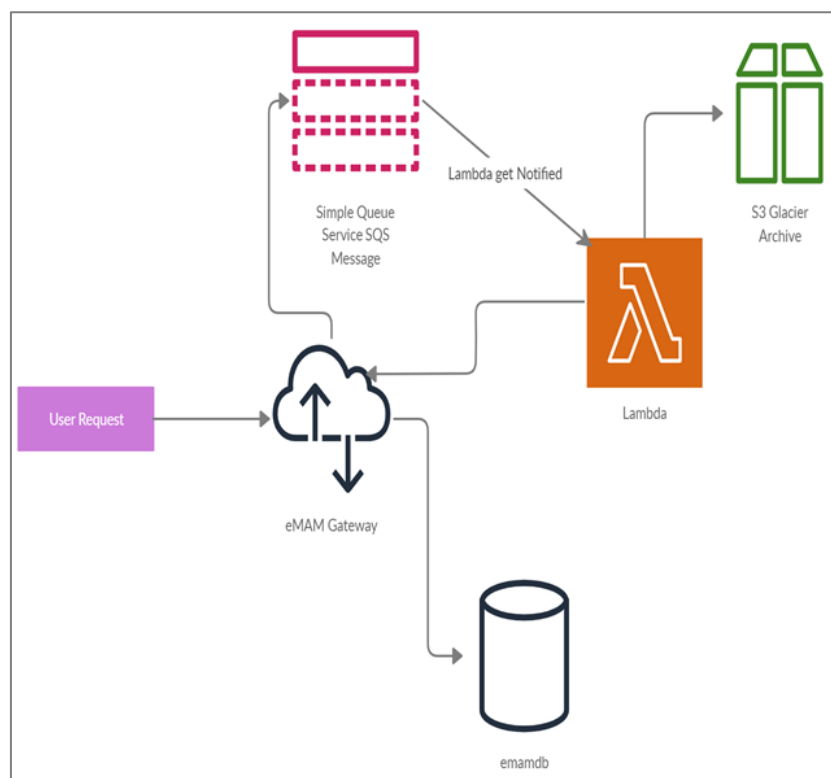
17. Option to set subclips "prefix" in subclip widget

The *Set Prefix* option allows eMAM users to set prefix for subclips which will be auto populated for subsequent subclips creation. After setting this prefix, when a user adds a new subclip, the subclip name will be starting with the set prefix.

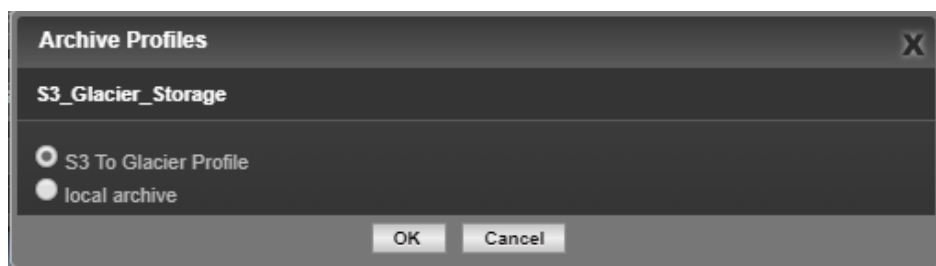


18. S3 to Glacier

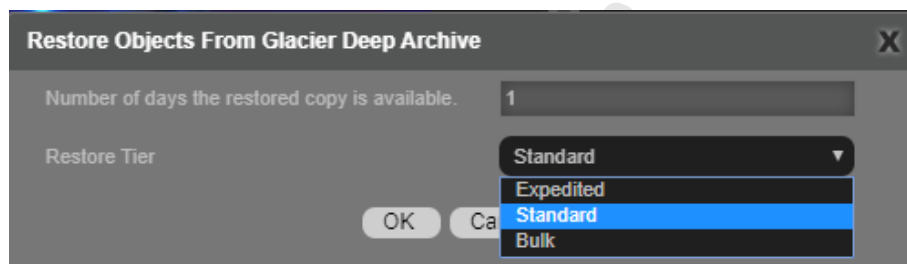
eMAM now supports archive/restore of assets from **S3 to Glacier** and vice versa. When an asset is archived, eMAM Gateway sends the archive jobs to *Simple Queue Service (SQS)* which will trigger a lambda function. Lambda will then get the asset details from SQS message and change corresponding S3 object storage class to **Glacier** (File is now in archive status) and updates the status back to eMAM. Same is with Restore.



- **Archive:** Assets can be archived to **Amazon Glacier** only if they are located in S3 buckets.



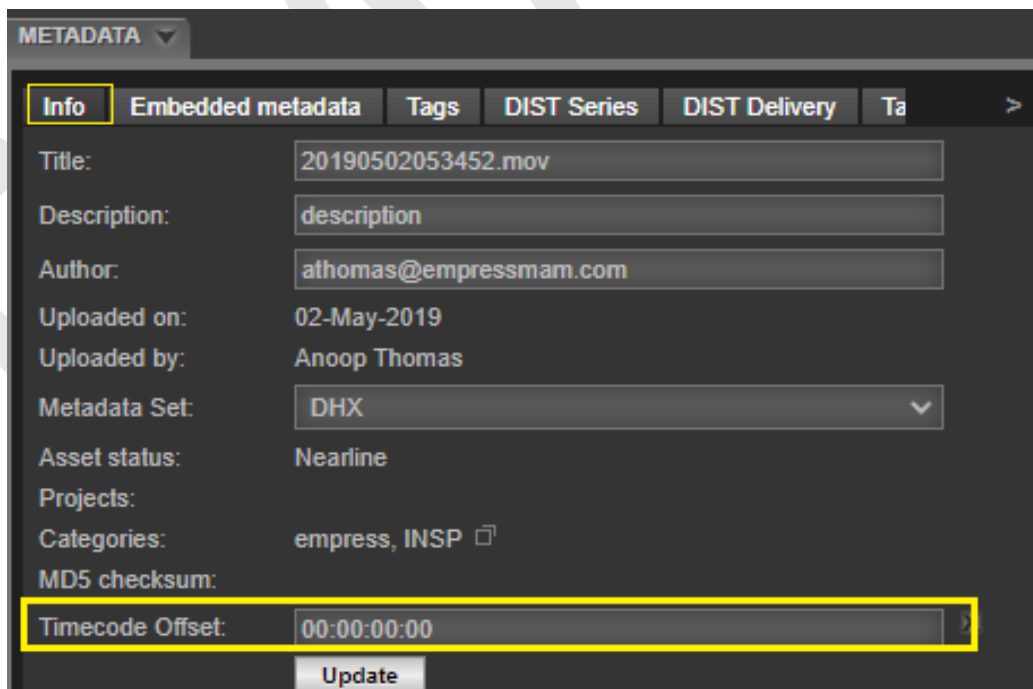
- **Restore:** Objects can be restored from **S3 Glacier Deep Archive** storage classes.



- **Expedited** : Quick restore within minutes and as per the paid quota.
- **Standard** : Slower restore up to 5 hrs., but free
- **Bulk** : Slowest bulk restore up to 24 hrs., free

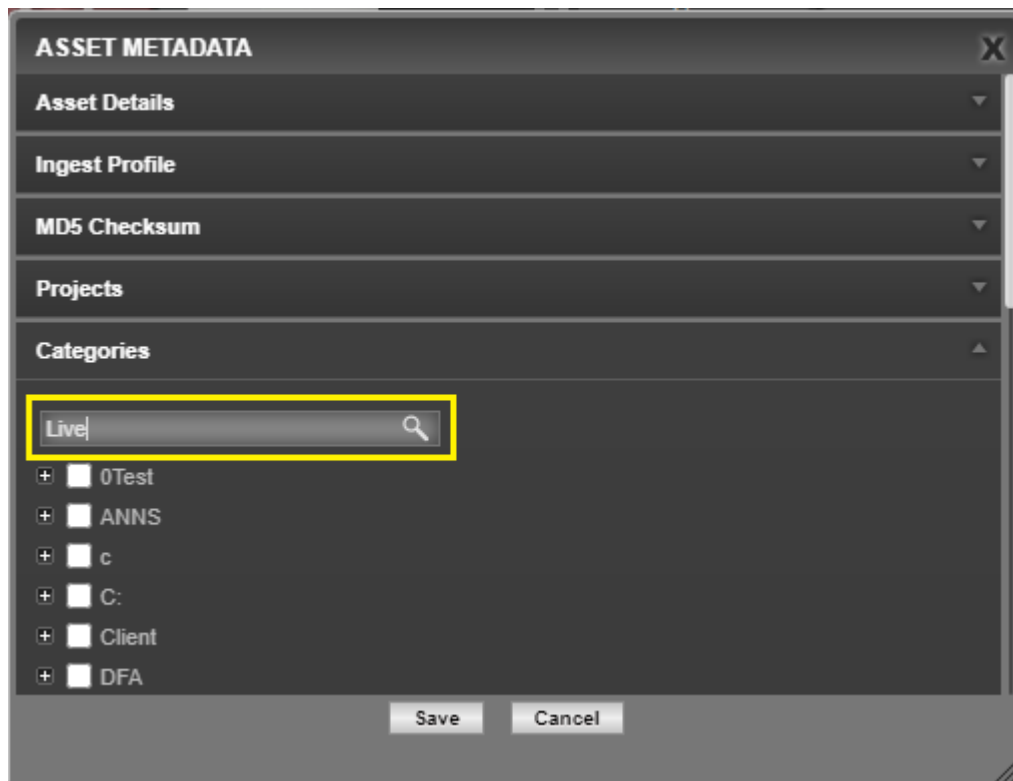
19. Introduced Timecode Offset option

Introduced a new field "*Timecode Offset*" under the *Info* tab of the *Metadata* widget. In scenarios, where the offset value is incorrect, editors can go ahead and manually edit it here by clicking on the edit icon.



20. Option to search category names in Asset Metadata window

eMAM users can now search for a category name in the *Asset Metadata* window during ingest and during a file version upload.



21. Partial File restore and delivery from Amazon S3

eMAM now supports partial file restore and delivery from Amazon S3 using Drastic Net-X-Code. This will help you to quickly grab the content by restoring parts of the files to their original format, without re-encoding and loading the minimum required source. This will reduce the egress cost by not copying the entire file from S3 to make clips.

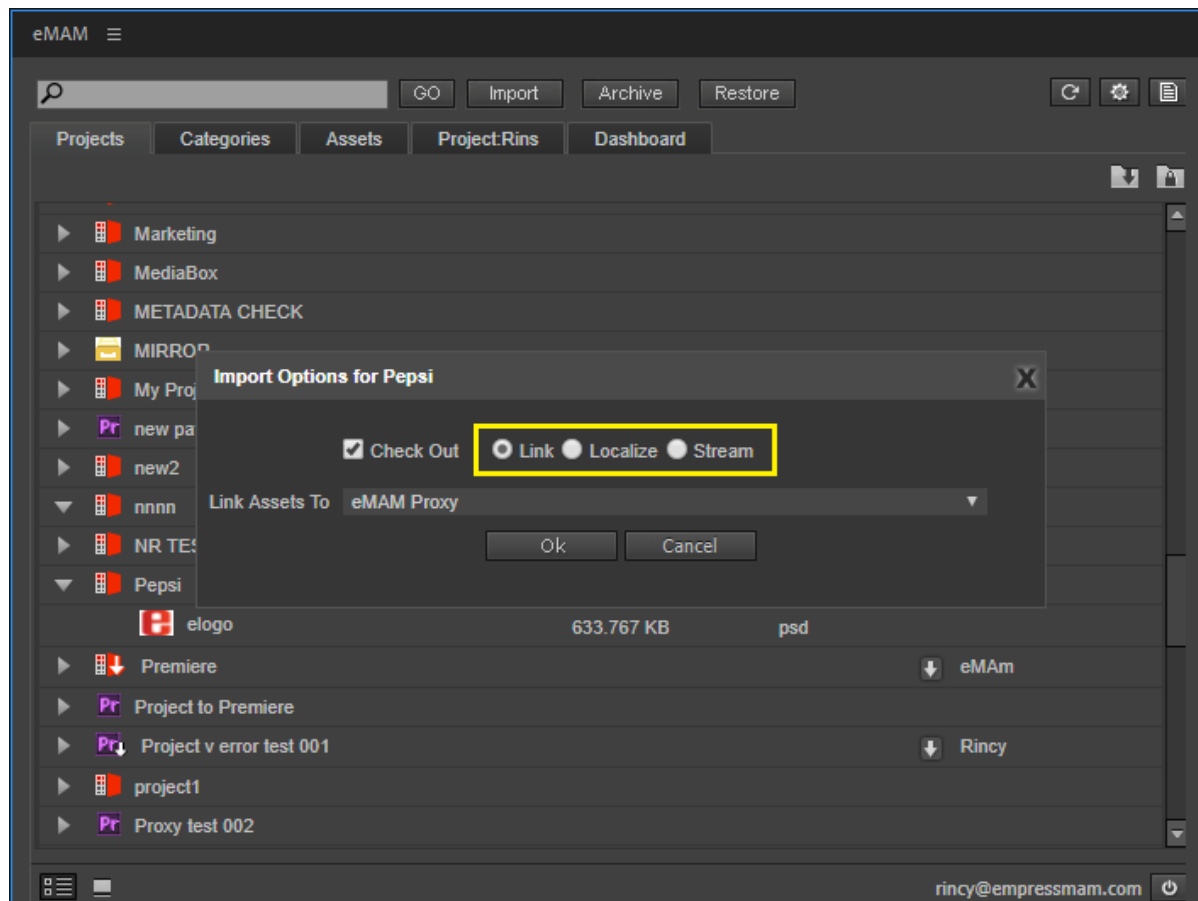
22. Directly transcode Amazon S3 resources via access strings using Drastic Net-X-Code

eMAM now support direct transcoding of files in the S3 buckets using Drastic Net X Code. Drastic accesses files stored in S3 buckets only after proper authentication via AWS Access Key Id/Secret Key. Files are directly uploaded to the original buckets and the ingest manager processes the files to make proxy with Drastic Net-X-Code as transcoder type, S3 as storage profile and delete files set to true.

eMAM Premiere Panel

1. Introduced options to *Link or Stream* asset options during import

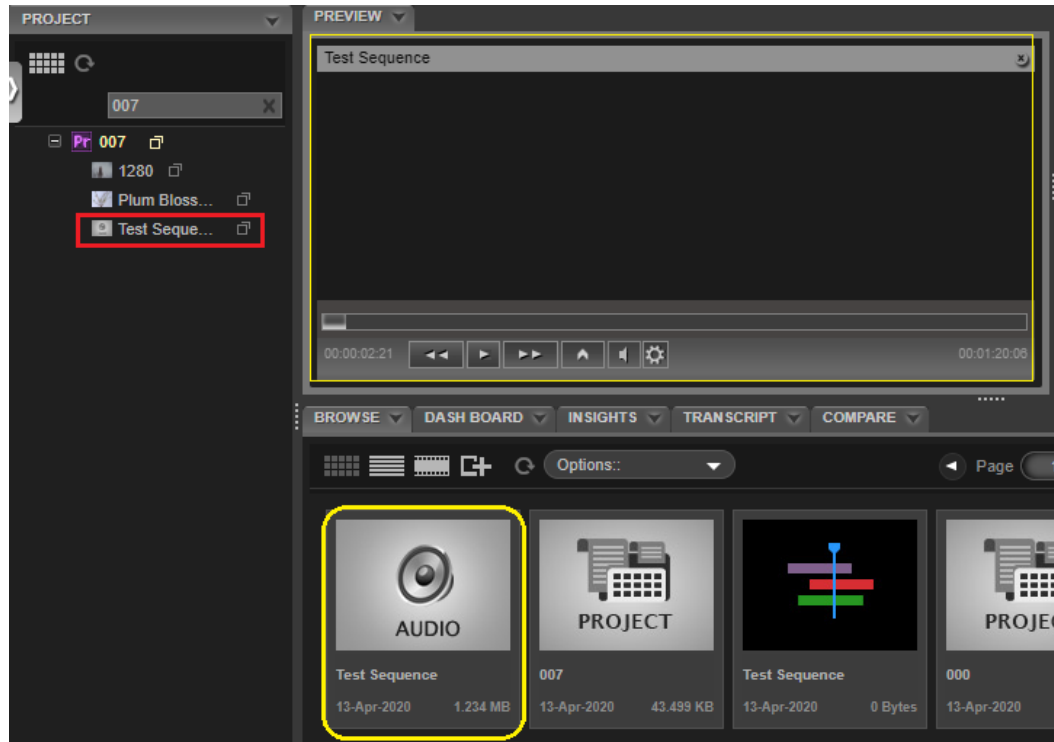
Editors will now have option to either *Link or Stream* (along with localize) the assets during import of assets from eMAM to Adobe Premiere Pro.



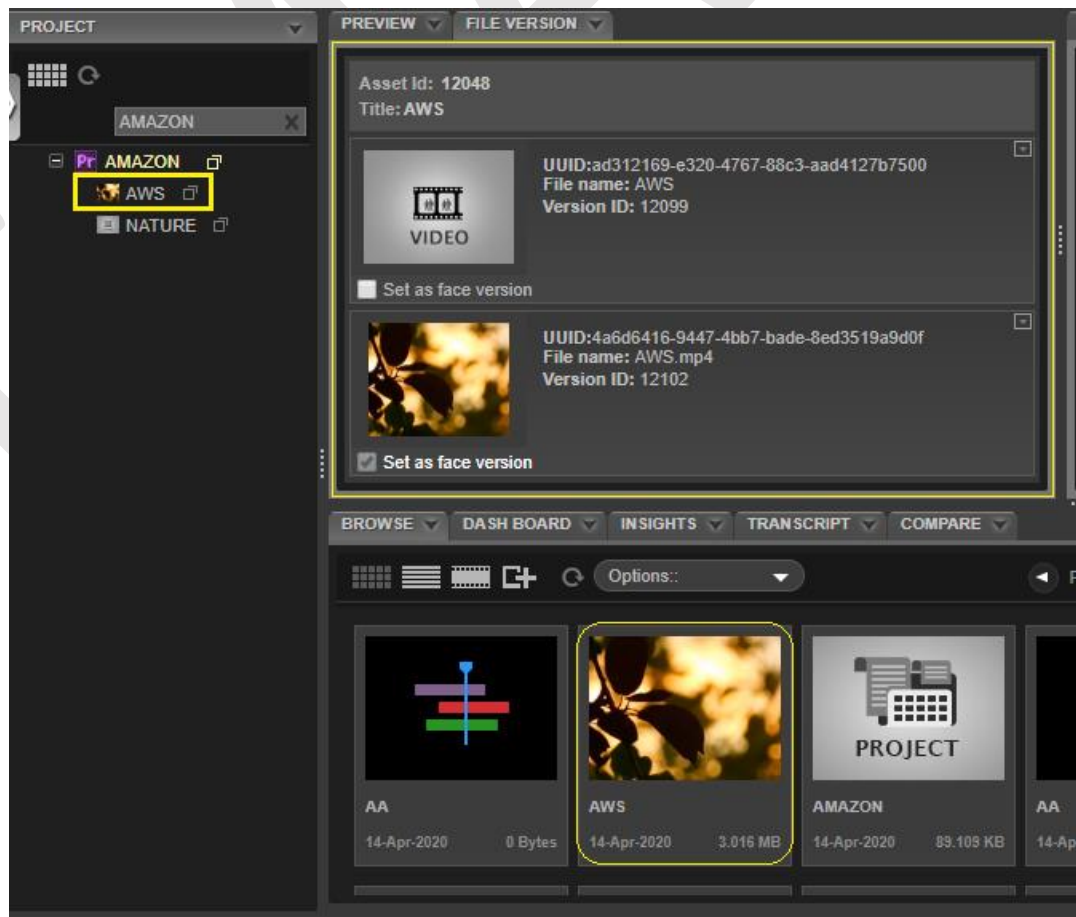
- Link** - Link to the media in the storage.
- Localize** - Download the media to (*configured media path*)
- Stream** - Stream the media using *Drastic MediaReactor* Plugin. Stream can be used to import any asset, when you don't want to wait for the whole file to get downloaded to the local machine. Drastic Media Reactor processes the stream files and panel will create a uuid.stream file for each asset that is imported.

2. Improved Sequence Export options

- Proxy sequence preview in the Preview widget:** Sequences exported as proxy can now be previewed and played under the *Preview* widget in the eMAM Director interface.

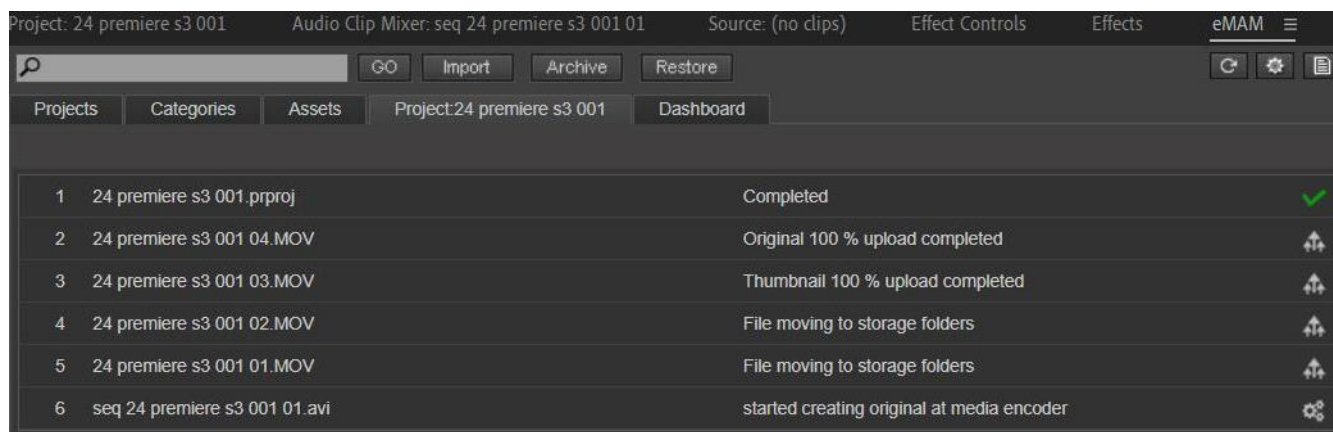


- b. A **new version of a sequence** is created after import and export (*with sequence*) of the sequence which can be viewed in the *File Versions* widget and previewed in the *Preview* widget. This can be for proxy only or original with proxy. However, If the sequence is not selected, it will not create a placeholder. Also, markers created in sequence assets can now be imported to Adobe Premiere Panel.



3. Real-time upload progress displayed

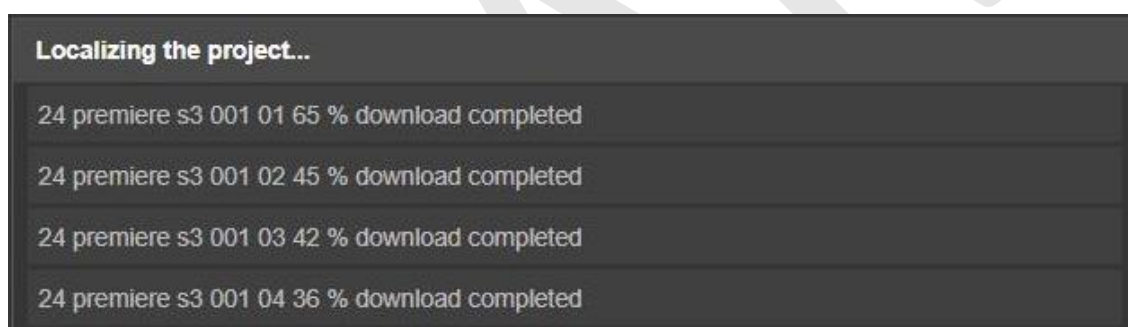
Real-time progress of each uploading file (*original, proxy, thumbnail, mezzanine* etc.) using eMAM Uploader, SigCLI or AWS_SDK is now displayed during the export process.



Project	Asset	Status	Actions
24 premiere s3 001	24 premiere s3 001.prproj	Completed	✓
24 premiere s3 001	24 premiere s3 001 04.MOV	Original 100 % upload completed	⬆️⬆️
24 premiere s3 001	24 premiere s3 001 03.MOV	Thumbnail 100 % upload completed	⬆️⬆️
24 premiere s3 001	24 premiere s3 001 02.MOV	File moving to storage folders	⬆️⬆️
24 premiere s3 001	24 premiere s3 001 01.MOV	File moving to storage folders	⬆️⬆️
seq 24 premiere s3 001	seq 24 premiere s3 001 01.avi	started creating original at media encoder	⚙️

4. Real-time progress of localized files displayed in the dashboard

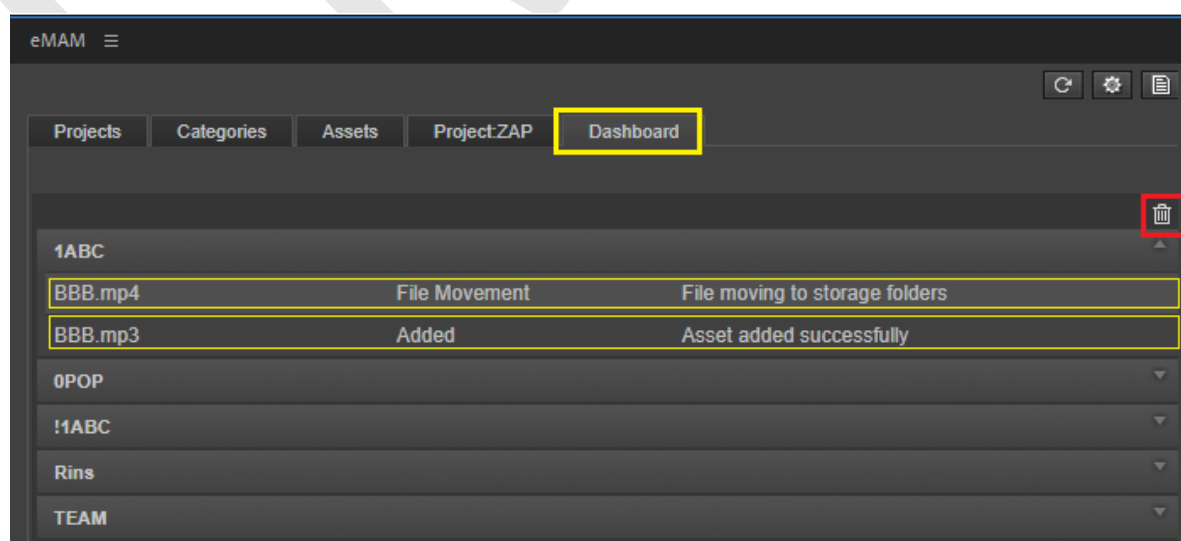
Real-time progress details of each localized asset is now displayed for local copy, http download, SigCLI and AWS-SDK.



Asset	Progress
24 premiere s3 001 01	65 % download completed
24 premiere s3 001 02	45 % download completed
24 premiere s3 001 03	42 % download completed
24 premiere s3 001 04	36 % download completed

5. Items stuck can be deleted

Jobs stuck under each project can now be selected and deleted.



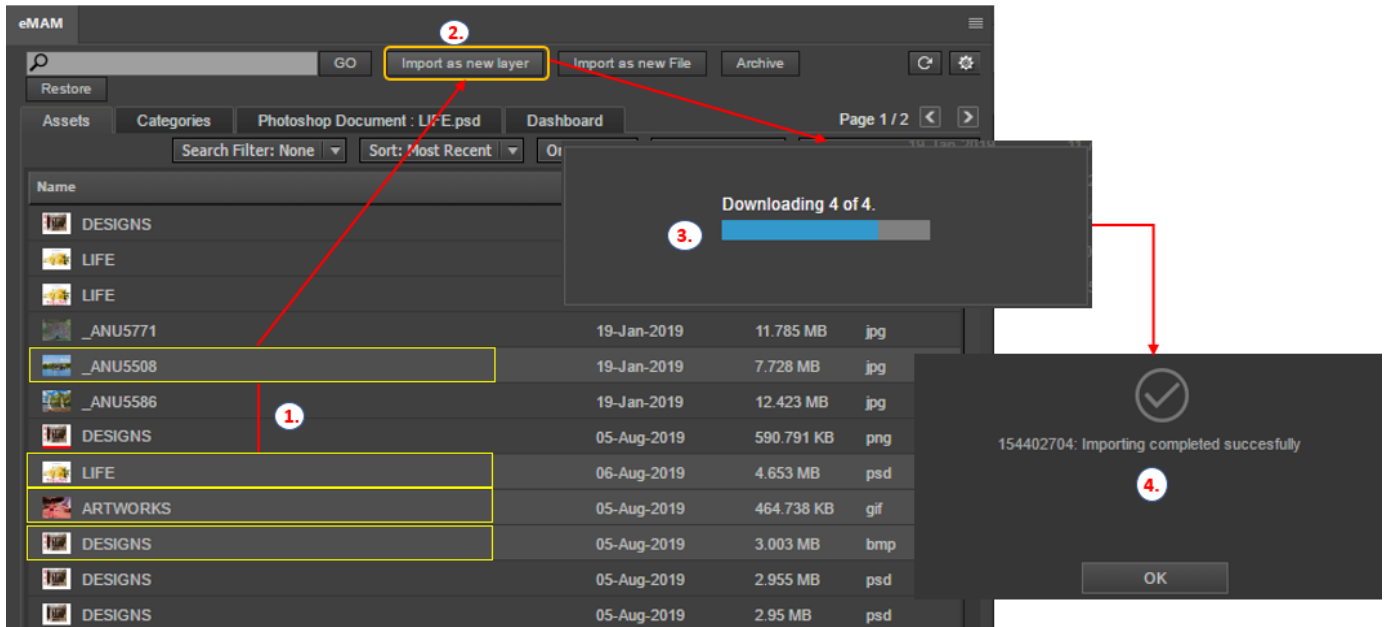
Project	Category	Asset	Status	Actions
1ABC	BBB.mp4	File Movement	File moving to storage folders	🗑️
1ABC	BBB.mp3	Added	Asset added successfully	
0POP				
!1ABC				
Rins				
TEAM				

eMAM Photoshop Panel

1. Introduced option to Import as new layer and Import as new file :

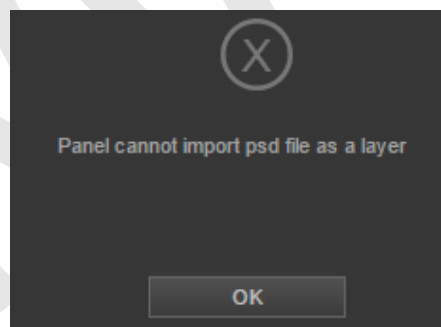
You now have 2 options for import, either you can:

- Import as new layer:** Single file/multiple files and Categories/sub categories can be imported to Photoshop panel as new layers.

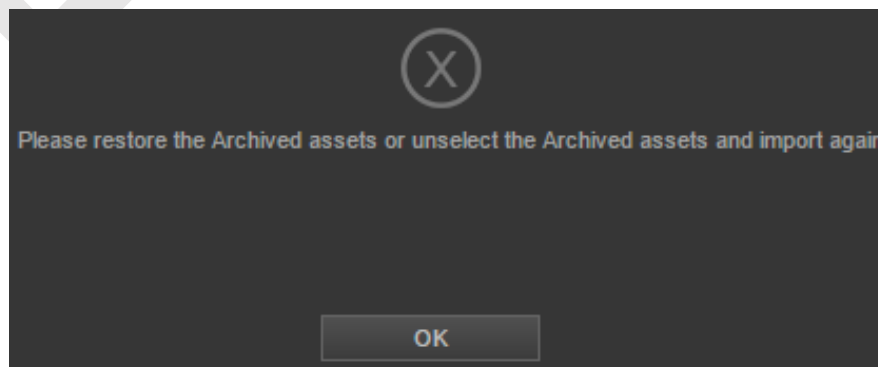


Note:

- .psd files cannot be imported as a layer. Any such attempt will display below error message.

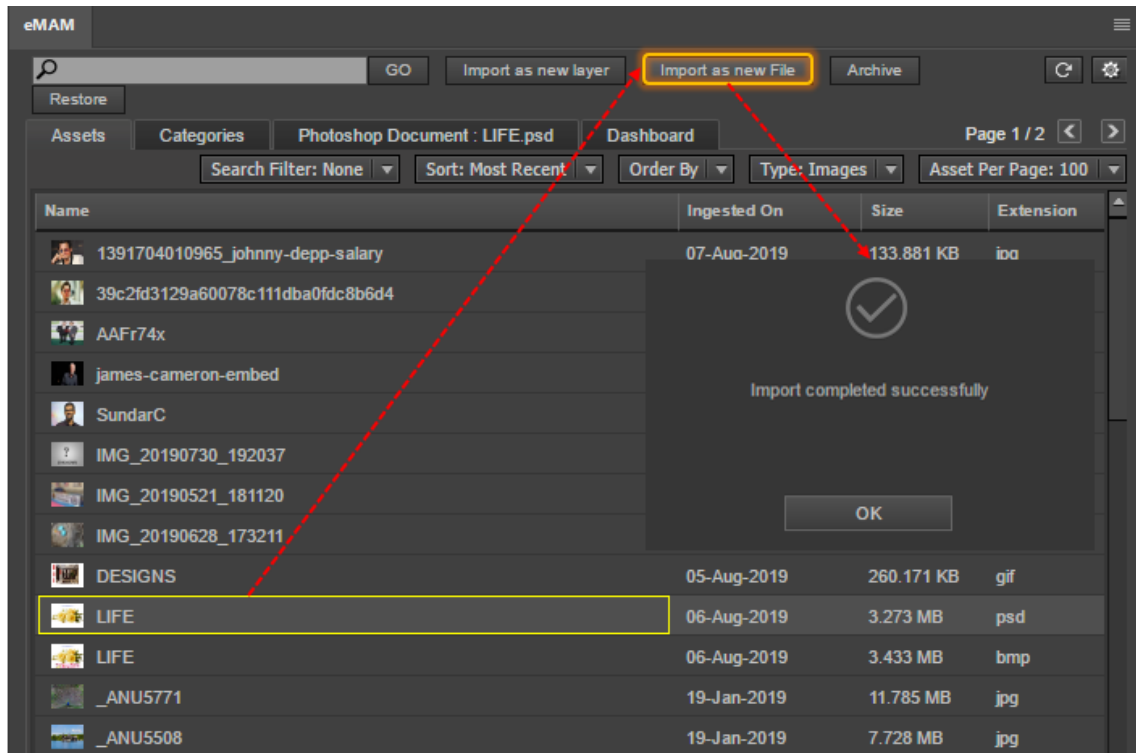


- Archived assets cannot be imported without restoring it. Any such attempt will display below error message.



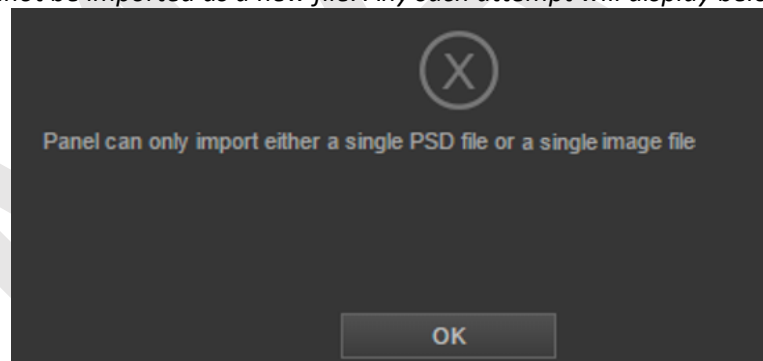
- Category and Subcategory import will not create any tree structure in the Photoshop Panel.

- b. **Import as new file:** A single file (.psd or image) can be imported to Photoshop Panel as a new file.

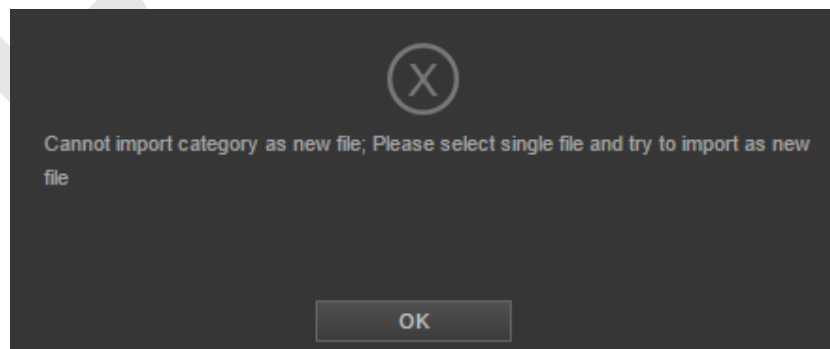


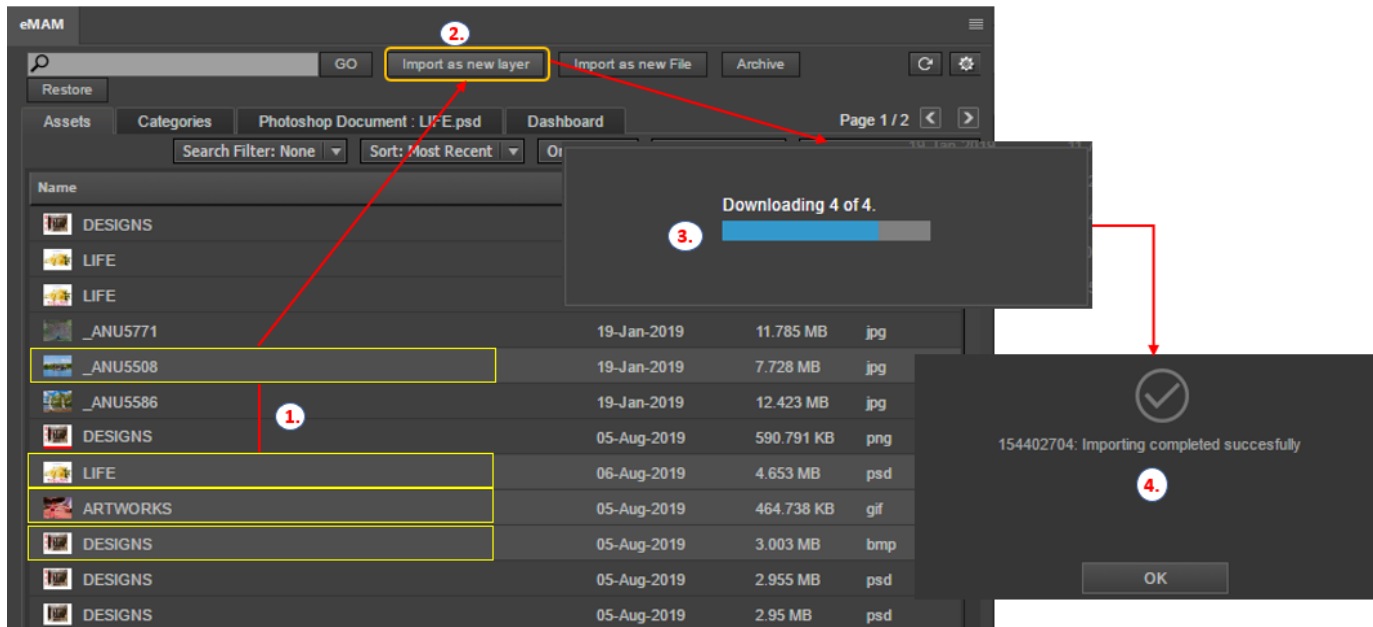
Note:

- Multiples files cannot be imported as a new file. Any such attempt will display below error message.



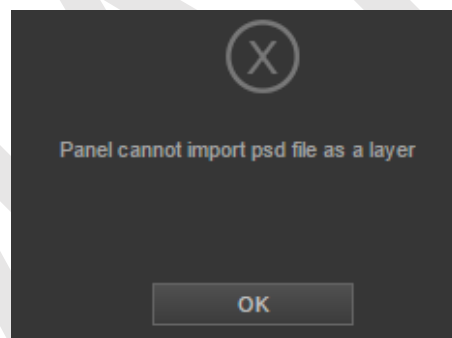
- Categories/Subcategories and multiple image files cannot be imported as a new file. Any such attempt will display below error message.



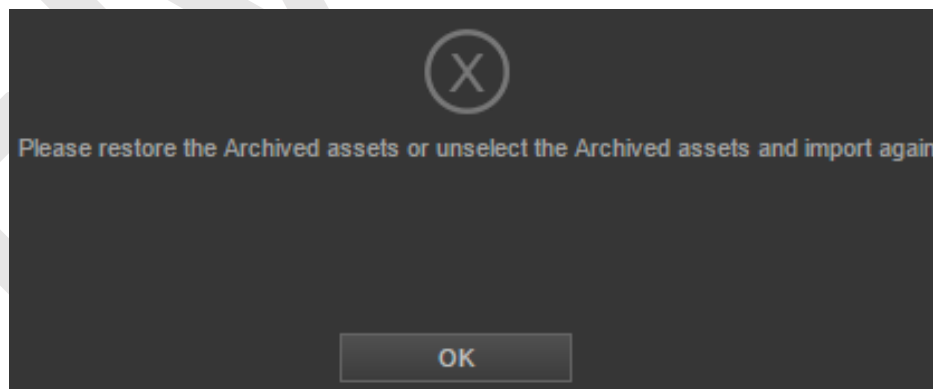


Note:

- .psd files cannot be imported as a layer. Any such attempt will display below error message.



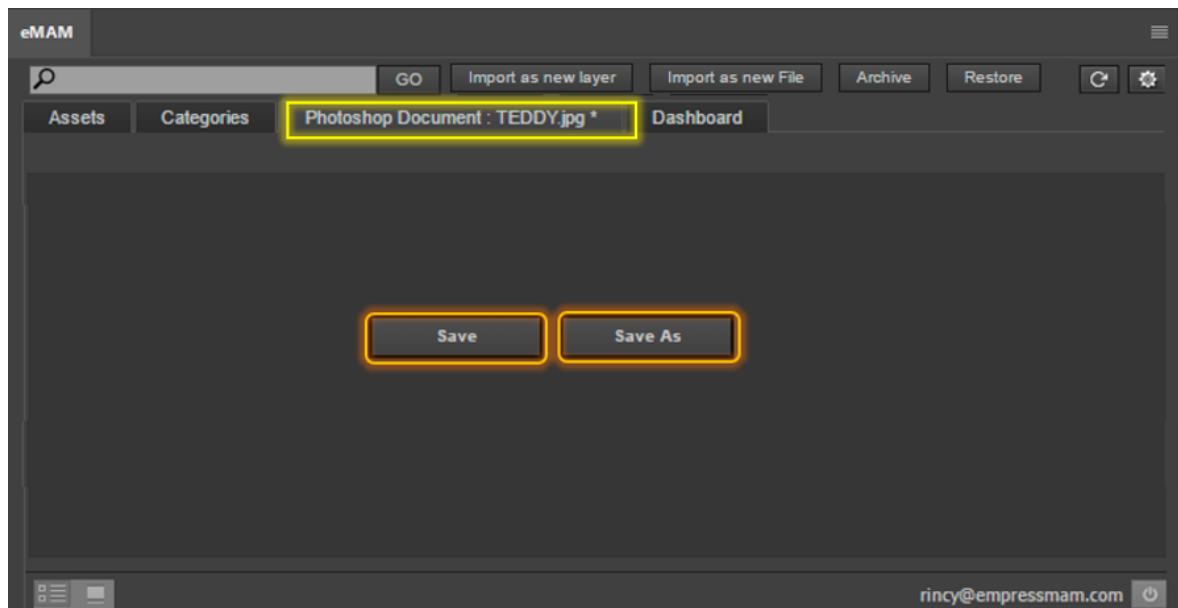
- Archived assets cannot be imported without restoring it. Any such attempt will display below error message.



- Category and Subcategory import will not create any tree structure in the Photoshop Panel.

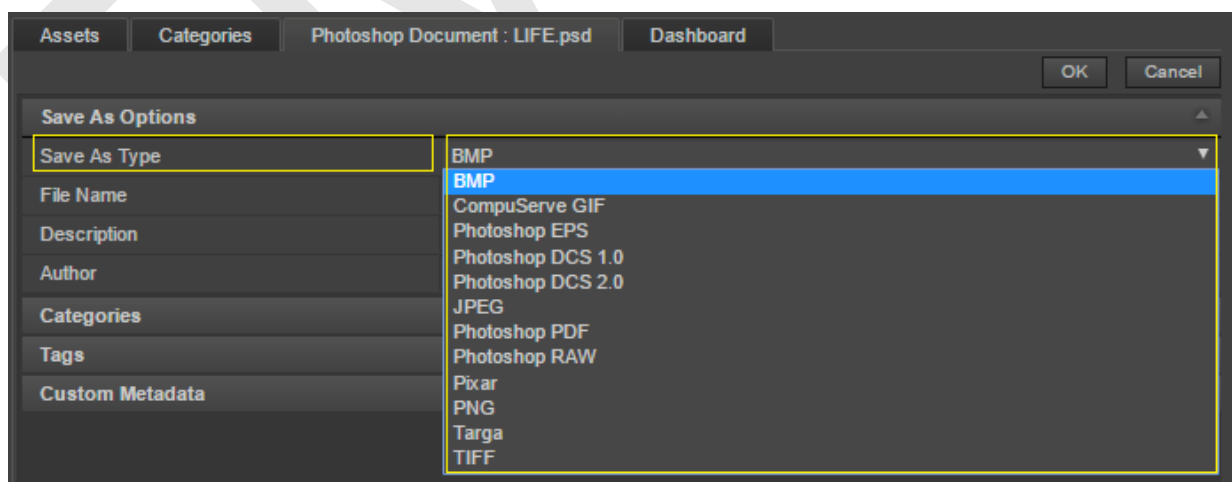
2. Option to 'Save' and 'Save as'

Now you can use the *Save* and *Save As* buttons to save and export the final Photoshop document(.psd)/new version of file back to the eMAM system.



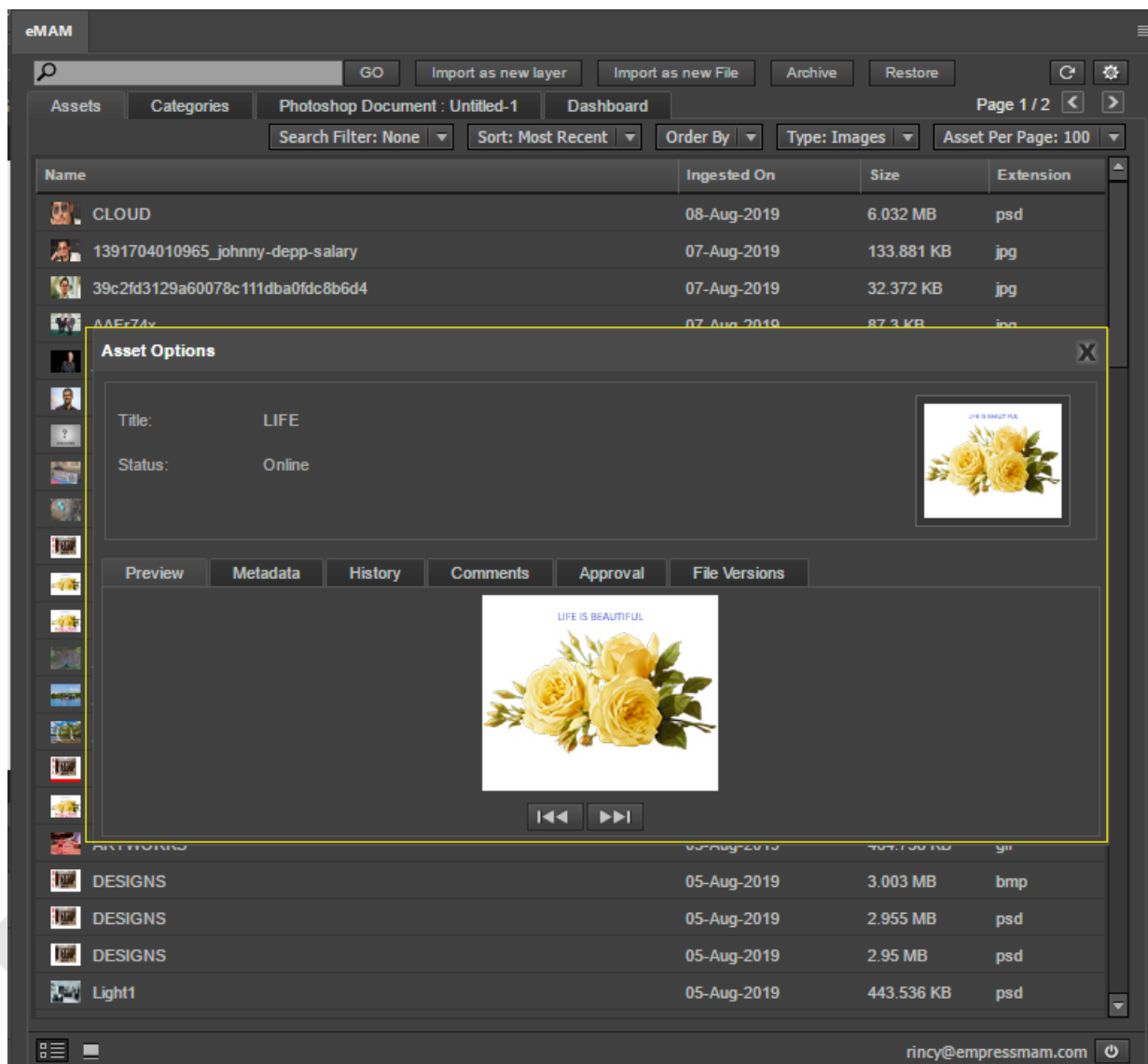
Save: *Save* button is used to add new Photoshop document to eMAM. If the document already exists in eMAM, it will create a new version of the same on export of the Photoshop doc

Save As: *Save As* button is used to export an already existing eMAM Photoshop document/ a new Photoshop document to **any other format** back to the eMAM system. During export, you can choose from the different export formats listed for *Save As Type* under *Save as Options*. You can find the *Save As type* pre-set config details in a priest Jason file in the eMAM Gateway server: <C:\Program Files\Empress Media\eMAM Gateway\PanelExportPresets\Photoshop>



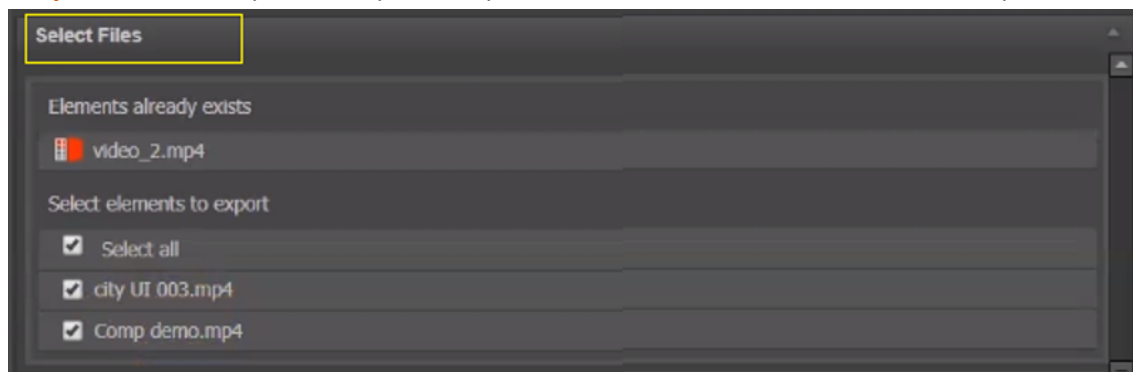
3. Asset Metadata window

Double click on any asset under the *Assets* tab or *Categories* tab to open *Asset Options* window. Asset Options window displays details of the asset such as the Title, its location status (online/nearline), thumbnail and various tabs to update metadata, review the history of the asset, review comments added to an asset, send approval requests, and file versions.

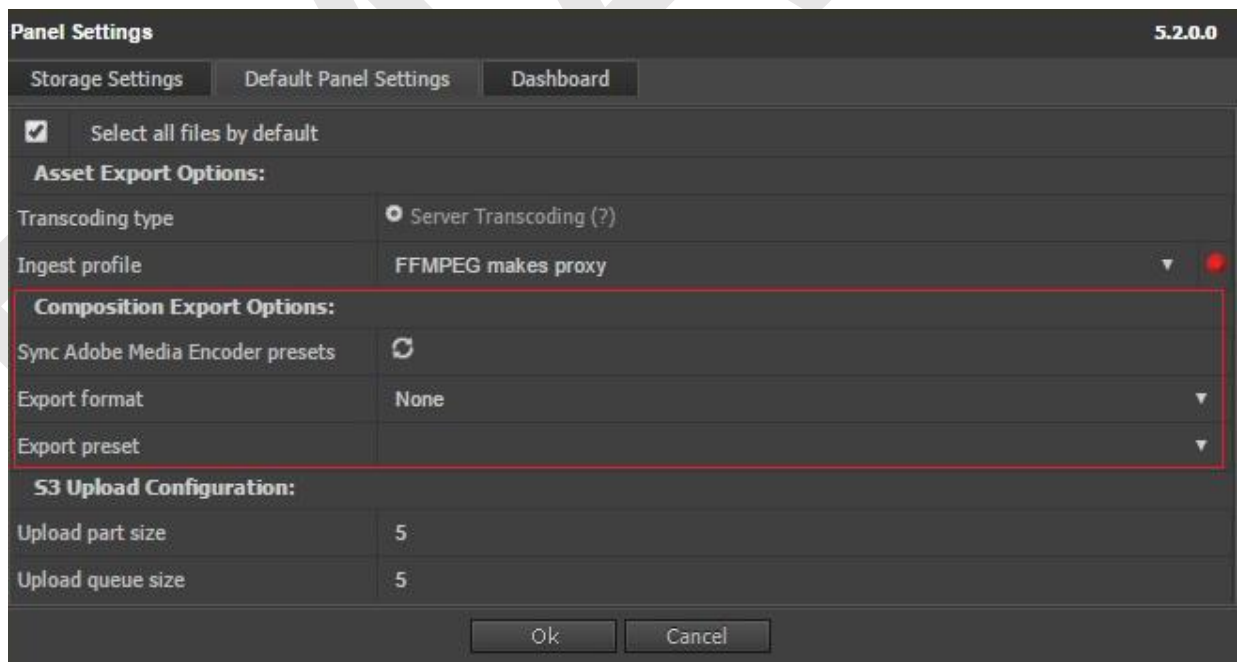
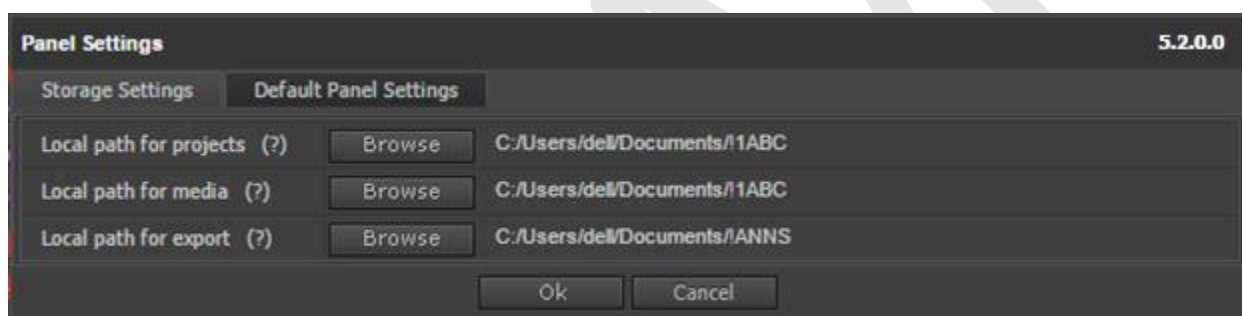


eMAM After Effects Panel

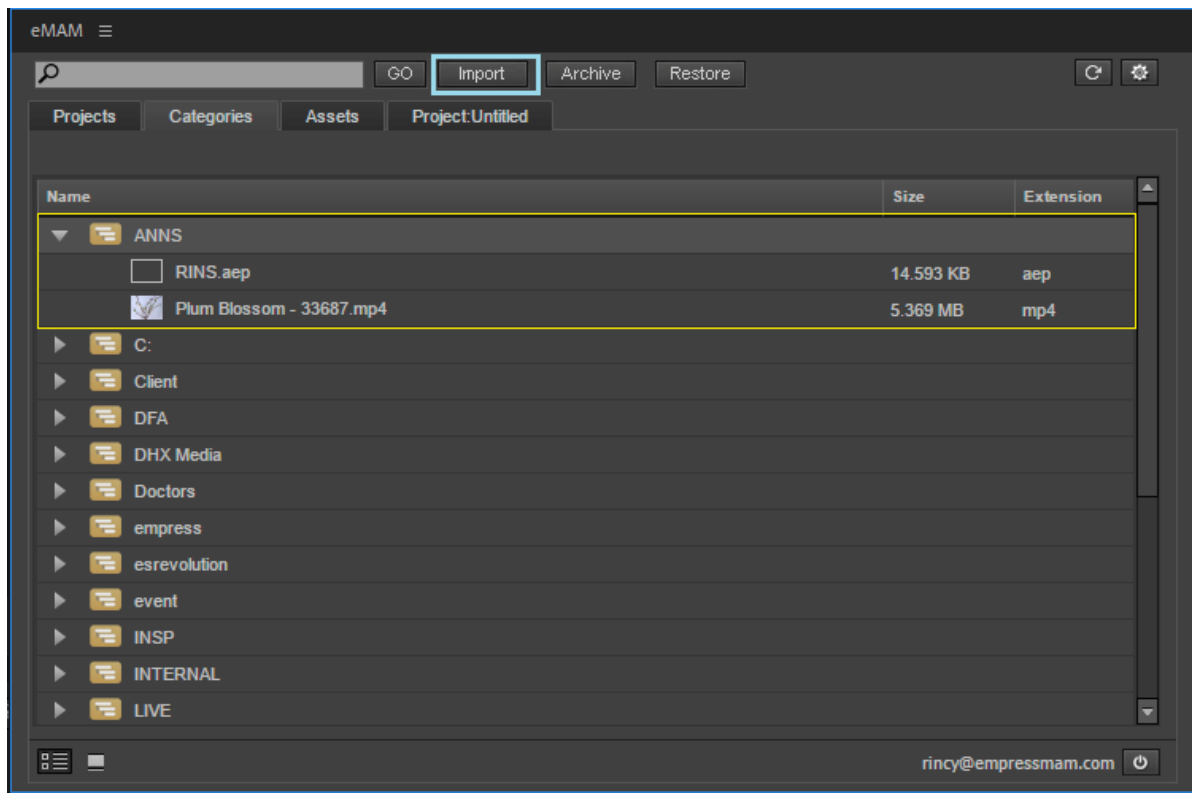
1. **Export compositions** :Now you can export compositions back to eMAM from After Effects panel.



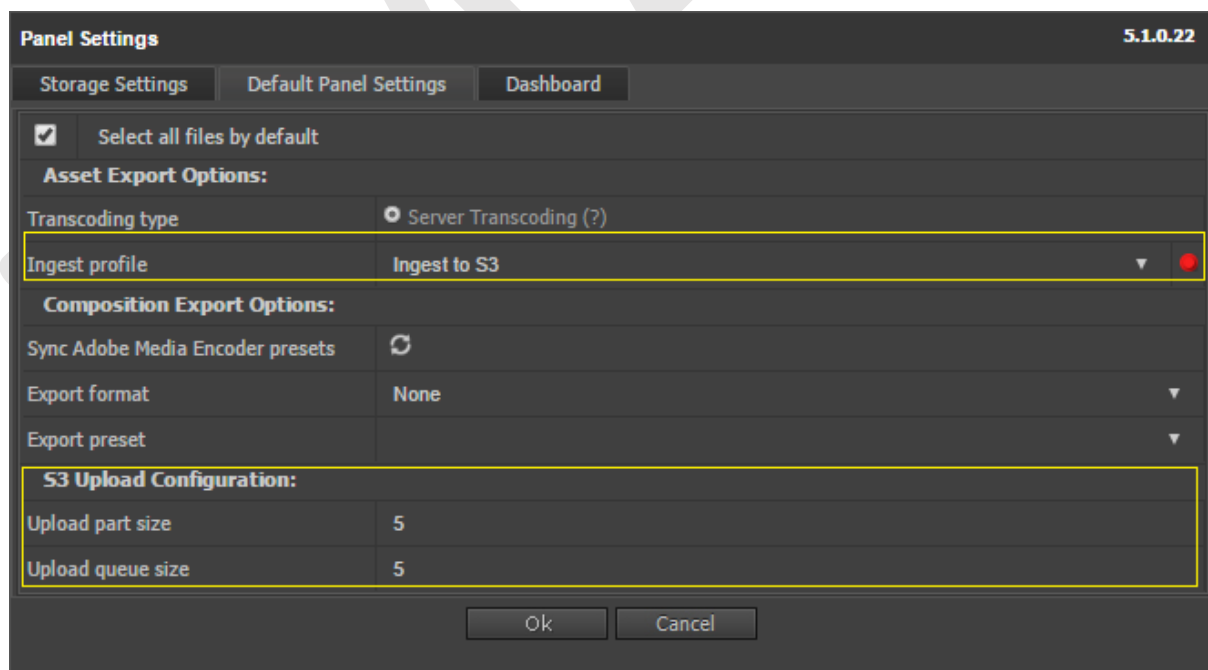
2. **Settings window changes**: Panel Settings window changes as shown below:



3. **Category & Bin import:** Added import of Category and bins from eMAM to Adobe After Effects.

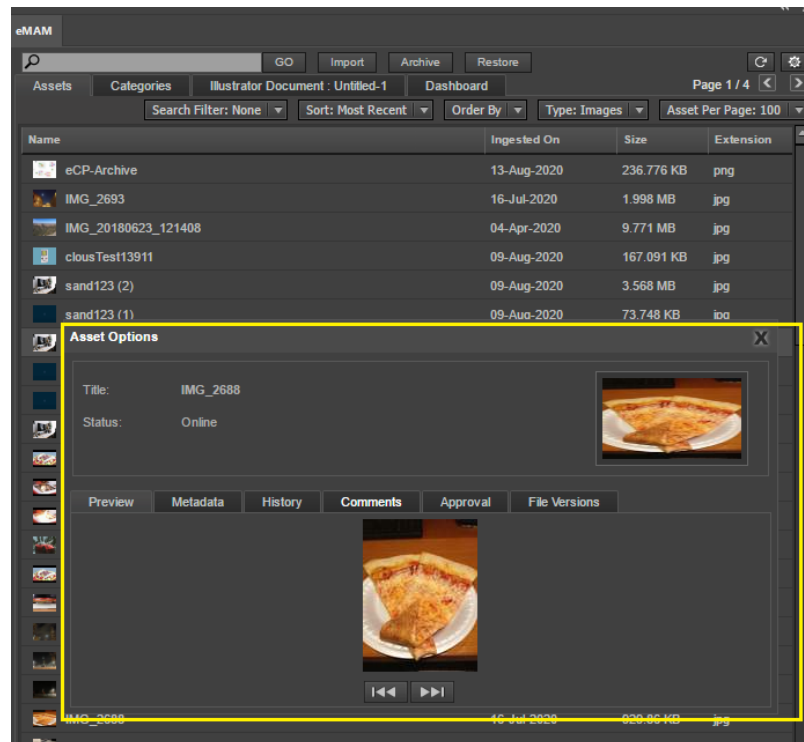


4. **Upload to S3 buckets:** Assets can be uploaded to S3 buckets.



eMAM Illustrator panel

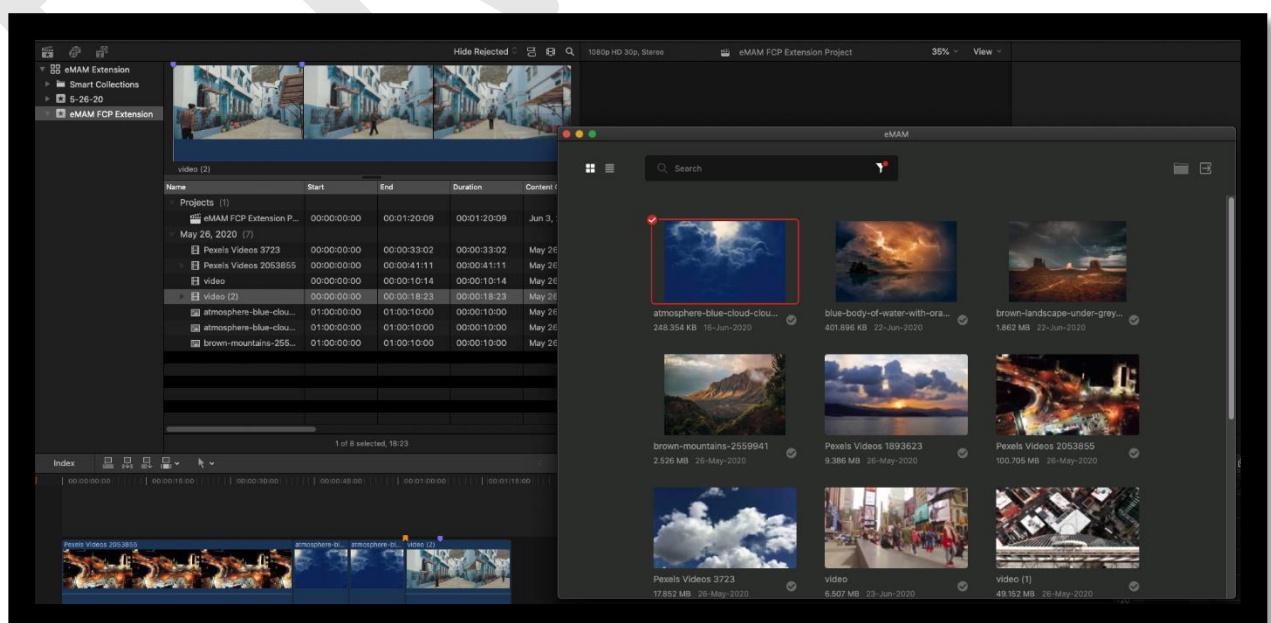
1. Double click on assets displays the asset options pop up



Final Cut Pro (FCP) Extension

1. Extension for FCP

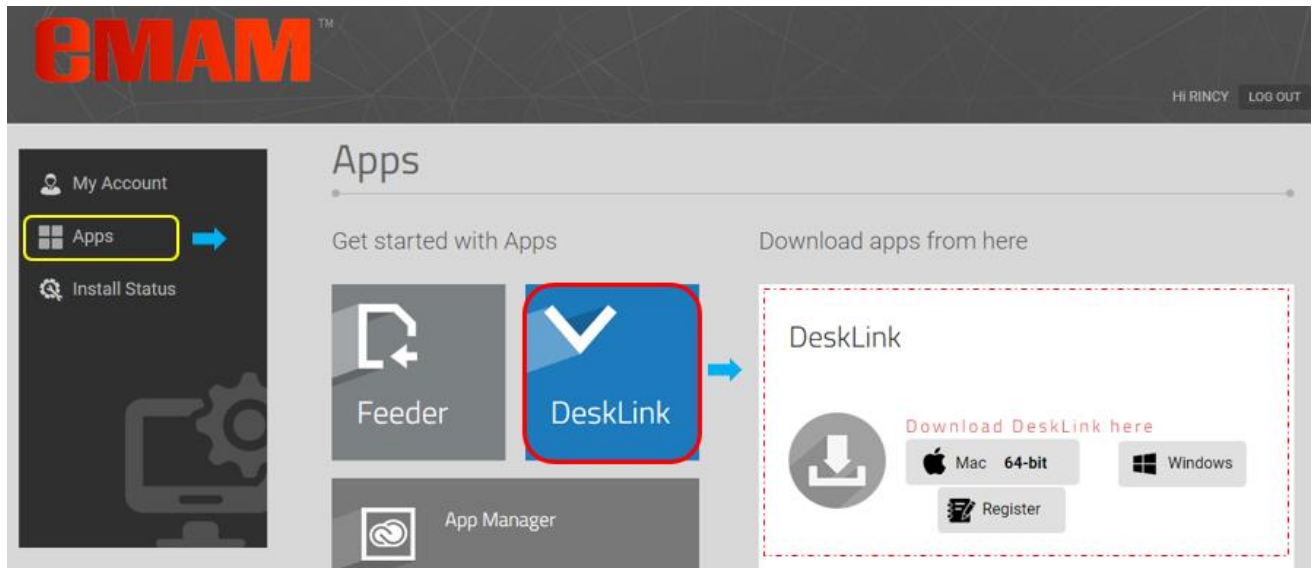
eMAM now supports an FCP extension which allow editors to search and preview the eMAM media and import them into FCP events.



DeskLink

1. Option to register DeskLink to avoid prompting for server URL's with each login.

Click on the *Register* button to register the DeskLink to this server so that next time you can directly choose the path for download without entering *Director & Gateway URL's* for each download operation.



eMAM Super Admin interface

1. Delivery sidecar XML to include "Repeater" tag for BFX delivery.

eMAM has introduced *Repeaters* tag in the delivery sidecar XML for BFX delivery. Contents can be generated by replacing the variables, as many times as the number of clips/markers/attachments.



2. Advanced options in "S3 to Glacier" profile.

For *S3 to Glacier* archive profile, admins will have option to choose below retrieval type and storage classes:

- **Retrieval type:** Expedited, Standard, Bulk
- **Storage class:** Glacier, Deep Archive

The screenshot shows the configuration form for the 'S3 To Glacier Profile'. The fields are as follows:

- Profile Name:** S3 To Glacier Profile
- Archive Host Server:** S3 To Glacier
- Archive Type:** S3 To Glacier
- Online Folder:** S3_Glacier_Storage
- Server:** EMAMNYFS01
- Delete Files From Storage:** ☐
- Delete Files From Source:** ☐
- Full Restore:** ☒
- Is Default:** ☒
- Delete Threshold:** 1
- Retrieval Type:** ☒ Expedited ☐ Standard ☐ Bulk
- Storage Class:** ☒ Glacier ☐ Deep_Archive

3. Included 'Essence' as a feature list.

To use file attachment feature through *Essence* widget, make sure *Essence* option is enabled under the Feature settings.

The screenshot shows the 'FEATURE SETTINGS' page. The 'Essence' option is checked and highlighted with a red box and an arrow. The settings are organized into several sections:

- Asset Types Supported:**
 - ☒ Video Assets Support
 - ☒ Image Assets Support
- Ingest Methods:**
 - ☒ FTP Ingest
 - ☒ Tape Ingest
- Delivery Module:**
 - ☐ Telestream Flip Factory
- Delivery Methods:**
 - ☒ Delivery Via Web Download
 - ☒ Delivery To Network Folder
- Client Interface Options:**
 - ☒ eBIN
 - ☒ Sort
 - ☒ Asset Per Page
 - ☒ Search Filter
 - ☒ eShare
- Asset Operations:**
 - ☒ Custom Metadata
 - ☒ Proxy Editing
 - ☒ Internal Approval
 - ☒ Archive
 - ☒ Key Frame Extraction
 - ☒ Marker
- Reports:**
 - ☒ Report By Asset History
 - ☒ Report By User
 - ☒ Live Dashboard
- Others:**
 - ☒ Assets Export Service
 - ☒ Synchronization
 - ☒ Projects
 - ☒ FCP Export
 - ☒ Amazon S3 storage
 - ☒ Timeline
 - ☒ Insight
 - ☒ **Essence**
- Audio Assets Support:**
 - ☒ Audio Assets Support
 - ☒ Other Files Support
- Email Ingest:**
 - ☒ Email Ingest
 - ☒ Web Upload
- Rhozet Carbon Coder:**
 - ☒ Rhozet Carbon Coder
- Delivery To FTP:**
 - ☒ Delivery To FTP
 - ☒ Merge
- Search:**
 - ☒ Search
 - ☒ Themes
 - ☒ Categories
 - ☒ eSEND
- Annotations:**
 - ☒ Annotations
 - ☒ Asset Categorization
 - ☒ External Approval
 - ☒ Rating
 - ☒ Get Embed Code
- Report By Asset State:**
 - ☒ Report By Asset State
 - ☒ RSS Feed
 - ☒ Site Analytics
- History Logs Export Service:**
 - ☒ History Logs Export Service
 - ☒ Advance Search
 - ☒ Order
 - ☒ Registration Form
 - ☐ Anywhere
 - ☒ Avid DS
 - ☒ Transcript

4. Lambda archive workflows

eMAM users can now create workflows using Lambda archive i.e.: archive from S3 to Glacier.

New Workflow

Workflow Name:

Description:

Event Type:

Conditions

Field	Operator	Value	And/Or
Ingest Status	Equals	Completed	And
Asset Type	Equals	Video	Select

Actions

Action Type:

Archive

Archive Profile	<input type="text" value="S3 To Glacier Profile"/>
Priority	<input type="text" value="1"/>

5. Added S3 as a delivery destination.

S3 has been added as a new delivery destination. So now based on the S3 configurations in the Super Admin interface, you can now deliver assets to the S3 buckets.

Delivery Profile

Profile Name:

eMAM Delivery Server:

Delivery Type:

☒ Include Asset ☐ Include EDL ☐ Include eMAM Metadata XML ☐ Include Sidecar File

Delivery Location Type:

Service URL: Access Key:

Secret Key: Bucket Name:

Rename duplicate filename(s) in the destination: ☒

Keep source folder structure at destination: ☐

Enable Notification: ☐

6. Option to enable S3 acceleration and CDN as a part of Storage settings.

Added below are new options in the **S3 cloud storage** Original & Proxy configurations:

- **Enable S3 transfer acceleration:** If enabled, S3 used for upload and S3 URL used for preview.
- **Enable CDN:** If enabled, CDN URL for used for preview and download.

The screenshot displays two configuration panels for cloud storage. The top panel, titled 'MANAGE CLOUD STORAGE FOR ORIGINAL', shows settings for Amazon S3. It includes fields for Service URL, Access Key, Secret Key, Bucket Name, and Cloud URL. A 'CONNECT' button is present. Below these fields, there are checkboxes for 'Delete File From Storage' and 'Delete File From Source'. At the bottom of this panel, two checkboxes are highlighted with a red box: 'Enable S3 Transfer Acceleration' and 'Enable CDN', both of which are checked. The bottom panel, titled 'MANAGE CLOUD STORAGE FOR PROXY', has a 'Same as Original' checkbox at the top. It contains similar fields for Service URL, Access Key, Secret Key, Bucket Name, and Cloud URL, along with a 'CONNECT' button. It also has checkboxes for 'Delete File From Storage' and 'Delete File From Source'. At the bottom of this panel, the same two checkboxes as the top panel are highlighted with a red box: 'Enable S3 Transfer Acceleration' and 'Enable CDN', both checked.

7. Improved options for Image proxy settings under Ingest profiles tab

Additional options have been added for Image proxies in the *Ingest transcode profile* settings:

- **Enable Watermarking:** Enabling this option displays additional parameters to set the watermark image, position, offset and transparency.
- Options to specify the **Max Width** and **Max Height** of the image proxy. Proxy file will be created with the same aspect ratio as the original image without exceeding the max width / max height values.
- **Enable Auto Orientation:** Enabling this option automatically to handle the 90-degree rotation of the image proxy based on the EXIF values.

Manage Transcode Servers level:

Image Proxy Settings

Max Width: 639 Max Height: 360

☐ Enable Auto Orientation

☒ **Watermarking**

Watermark Image Name:

Position of Watermark: ☐ Offset ☐ Adjustment

X: 0 Y: 0 Transparency: 0 %

Manage Ingest Profiles>Advanced Transcoder Settings:

ADVANCED SETTINGS

Folder Config | **Transcoders** | Users | Extension | Profile Settings

Configure Transcoders

Transcode Server:

Video Proxy Settings:

Audio Proxy Settings:

Video Thumbnail Settings:

Image Proxy Settings:

Max Width: 640 Max Height: 360

☐ Enable Auto Orientation ☐ Enable Watermarking

Save

8. Ability to deliver files to S3 destination

eMAM can now deliver assets to S3 locations. Just select the *Delivery Location Type* as “S3” and fill in the Service URL, Access Key, Secret Key and the Bucket name for the Cloud service used and click on *Connect* button.

Delivery Profile | Users

Profile Name: S3 delivery test

eMAM Delivery Server: EIT-MVPA-DT-043

Delivery Type: Duplicate Delivery

☒ Include Asset ☐ Include EDL ☐ Include eMAM Metadata XML ☐ Include Sidecar File

Delivery Location Type: **S3** **CONNECT**

Service URL: http://s3.amazonaws.com Access Key: AKIAICNQUZPZB24UQDSA

Secret Key: VH3xTNf5QypvNbzkuziWVVU Bucket Name: cloudtesthr

9. Added Storage DNA as an archive type.

Storage DNA is now added as a new archive type.

Host Server Name	SDNA
Host Server IP	localhost
Archive Type	Storage DNA
API Endpoint	http://
Endpoint Port	20
Authorisation Token	token
SDNA Project Name	ProfileName
Volume Path	volume
Archive Slots	1
Restore Slots	1

10. Option to set the destination filename

A new option has been introduced in the delivery profile settings, to set the destination filename. Just select from the list of variables listed in the drop-down.

Delivery Profile		Users	
Profile Name		Rename duplicate filename(s) in the destination	<input checked="" type="checkbox"/>
eMAM Delivery Server	EC2AMAZ-0E5DVGP	Keep source folder structure at destination	<input type="checkbox"/>
Delivery Type	Duplicate Delivery	Enable Notification	<input type="checkbox"/>
<input checked="" type="checkbox"/> Include Asset <input type="checkbox"/> Include File Attachments <input type="checkbox"/> Include EDL <input type="checkbox"/> Include eMAM Metadata <input type="checkbox"/> XML <input type="checkbox"/> Include Sidecar File			
Destination File Name	%CUST_FLD_ASSET STATUS_19%	Insert	
Delivery Location Type	Network		
Network UNC path			

11. Improved Sidecar delivery

- Option for XML delivery of file attachments.

<input checked="" type="checkbox"/> Include Asset	<input checked="" type="checkbox"/> Include File Attachments	<input type="checkbox"/> Include EDL	<input type="checkbox"/> Include eMAM Metadata
---	--	--------------------------------------	--

Delivery Profile		Users	
Profile Name:		eMAM Delivery Server:	EMAM
Delivery Type:	Duplicate	Delivery Location Type:	Network
<input checked="" type="checkbox"/> Include Asset <input type="checkbox"/> Include File Attachments <input checked="" type="checkbox"/> XML <input checked="" type="checkbox"/> Include Sidecar File		Network UNC path:	

Define Sidecar Content			
<input checked="" type="radio"/> Individual sidecar files for assets in queue <input type="radio"/> Consolidated sidecar file for assets in queue <input type="checkbox"/> Deliver sidecar to a different location			
Variables	Description	File Type	File Location
File Name	Enter side-car filename without extension here. You can also use different variables.	XML	Enter local / network location here...
File Content	Enter sidecar file content in the specified format here. Inserted variables will be replaced with the actual values in the side car file output. Any valid XML data node that comes within the tag "eMAM-content-repeater" will be considered as a single element node to be repeated while output generation and variables get replaced based on the repeater type specified as attribute of the element, such as (asset version attachment clip). Note that the tag "eMAM-content-repeater" along with its attributes will not be present in the final xml output side-car file. A sample XML format which generates standard clips data is as below...		
<pre><?xml version="1.0"?> <root> <asset name="%FILE_Filename%"> <clip> <eMAM-content-repeater type="clip"> <clip name="%CLIP_STD_ClipName%" in="%CLIP_STD_ClipIn%" out="%CLIP_STD_ClipOut%" /> </eMAM-content-repeater> </clip> </asset> </root></pre>			
		Repeater Tag	Attachment
		Insert	
Save Reset			

- Deliver side car to different location: Using this option, you have option to choose a different delivery location by entering local or network file path location.

Define Sidecar Content

SIDECAR FILE DETAILS ☒ Individual sidecar files for assets in queue ☐ Consolidated sidecar file for assets in queue ☒ Deliver sidecar to a different location

Variables: GUID File Type: XML

File Name: Enter side-car filename without extension here. You can also use different variables.

Repeater Tag: STD Clip

- Custom metadata, Marker, Subclips (STD & TX), File Attachment, Embedded metadata, original file path, duration (timecode) and size added to the Delivery sidecar management variables.

12. Improved the "Notify" action in the Workflow management

Included variables for *title, filename, full original path, extension, subtitle, audio path* variables (Post request URL) *Subtitle, Audio, Other file attachment paths* variables in the Notify workflow. Included variables for title, filename, fulloriginalpath, extension, subtitle, audio path in workflow Post request URL.

New Workflow

Action Type: Notify

Notify

REST Email URI REST

Authentication Type: Basic

Username: Password:

Variables: Workflow Name

Message body. Inserted variables will be dynamically replaced with the actual values in the message


eMAM Ingest Sidecar XML

1. Included STD and TX type in the Ingest sidecar XML

Subclips group type; Standard & TX have now been added to the ingest sidecar XML.

```
<subclips>
  <subclip type="std" name="sb_clp1" start-time="05:59:51:13" end-time="07:00:36:00" />
  <subclip type="tx" name="sb_clp2" start-time="08:25:10:13" end-time="14:00:36:00" />
</subclips>
```

Other Enhancements

1. Assets in Premiere, Photoshop & Illustrator Panel are now localized using AWS SDK instead of http download.
2. External assets can be downloaded (HTML) too.
3. File version upload support for Lambda ingest.
4. Purge archived assets in S3.
5. Option to show/hide social media share options has been introduced in the preference xml of Director to show or hide the Social Media Share icons in the eShare popup.
6. Panel workflows to be carried without disabling multi-project view in Premiere.
7. Asset thumbnail to display red line only if it exists only in archive.
8. Keep track of *Site analytics* for actions inside eMAM Director
9. Option to hide the *Feeder* tab from eMAM Director config.
10. "Localize" option to be enabled by default in Premiere panel.
11. A yellow warning  symbol is displayed next to the *Settings* button in the home page when there are incomplete/pending configurations in the Premiere panel.
12. eMAM now supports MP3 audio side car files.

Get Help

For more information and assistance, please contact eMAM Technical Support at support@emamonline.com