

HOW TO MOVE INTO THE FUTURE

M.E.R.P.

SEE THIS

- I choose the faster runner
- I choose the best shoes
- I will win ??
- Perhaps No !!

Power is Nothing without Control



The Result

- You have the fastest men
- And the best fashion shoes
- But He cannot run
- This is what will happen when you chose a product without looking at the final solution
- You must see the Final target not the single areas
- Even if this was the tradition now you can choose a better solution

Power but not Control

- Each department try to choose the best product
- And put integration in:
 - Drop folders
 - Xml files
 - Txt files
 - Drag & drop
 - Reconcile
- You data, your value, your money will be dispersed in different database with a consistent lack of efficiency
- You loose money!

What is **MERP**

- MERP is an extension of ERP Enterprise Resources Planning
- Enterprise Resources Planning (ERP) integrates internal and external management information across an entire organization, embracing finance/accounting, manufacturing, sales and service, CRM, etc. (WIKIPEDIA)
- MERP is the same as ERP but applied to Media Companies
- It connects all the activities of a multimedia company
- It is the basic of Knowledge management
- It is the core of operative management

More on ERP

- ERP systems automate their activities with an integrated software application. Its purpose is to facilitate the flow of information between all business functions inside the boundaries of the organization and manage the connections to outside stakeholders
- ERP systems can run on a variety of hardware and network configurations, typically employing a database as a repository for information
- ERP systems typically include the following characteristics:
 - An integrated system that operates in real time or near real time, without relying on periodic updates
 - A common database, which supports all applications
 - A consistent look and feel throughout each module
 - Installation of the system without elaborate application/data integration by the Information Technology (IT) department



ETERE

MERP Solution

Traditional

- Media Asset Management
- Archive
- Tape Library
- Scheduling
- Commercial Scheduling
- Automation

Who Has My Info

- Media Asset Management
- Metadata of files
- Archive
- Location of files
- File movement
- Tape Library
- Videotapes information
- Scheduling
- Programs playlist
- Commercial Scheduling
- Advertising playlist
- Automation
- Playout automation list

Example

- I need a program in my playlist
- If the program is inside a tape
 - Check the tape library software for tape code
 - Ask a copy to select segments
- If the program is inside the digital library
 - Open DAM software
 - Generate segments
 - Copy segments data in my schedule
- Generate the playlist
- Send playlist to on-air
- Generate ingest list/file transfer list for on-air

Integrated System

- I need a program in my playlist
- I check if I have tape or Digital
- I read or generate segments in playlist
 - On-air is ready
 - Ingest list is ready
 - Transfer list is ready

A Single MERP System

- Media Asset Management
- Automation
- Archiving
- Scheduling
- Airsales
- BMS/ Long Term Planning
- News Automation
- Resource Planning



Etere Ecosystem

(Binds all your business)

Ad Insertion

Multi-channel, Multi-format.

Redundant, SDI or IP, Loudness

Normalisation, Audio Mapping,

Integrated Scheduling, Integrated Airsales, Cuetone/SCTE104/SCTE35

Media Assets Management .

Enterprise MAM, Frame-by-frame Indexing, Extensible Metadata, Web and Windows GUI. Multiple Video Standards, Unlimited Ingest, Multi-level Quality Check, Analog and Digital Assets, Enterprise Resource Management, Cost Tracking and Reporting, JOBS Workflows, Authorise Process, Integrated Agenda, OTT Integration, VOD Integration, Multiple Files, Multi-resolution, Move from Unlimited Devices, Integrated Trascoding, Integrated Loudness Normalization, File Management, Distributed Agents, MD5 Checksum Protection

Subtitling & Closed Caption

Subtitling Management, Production, Embedding, Integrated Preview, Unlimited Licences, Web and Windows GUI

Deliver in Multi-format: DVB, ARIB, 608, 708

BMS •

Purchase orders and contracts, Inventory and reruns, Series and movies, Rights management, Finance and costing, Plan and schedule multiple assets, Multichannel management, Promo management, Easy scheduling and adjustments, Manage scheduling rules, Assign scheduling slots, Audience and revenue reports, Plan VOD calendar

Automation

Hybrid/Traditional/CIB, Single/Multi-channel, Synchronous Playlists, Advanced Secondary Events Redundancy: Clone/Backup, Backup One to Many, Disaster Recovery, Video Assist CIB: Virtual Master Control, Multi-format, Integrated Graphics, IP and SDI , SD/HD/4K

HSM Archive

High Availability, Multi-libraries, Geographic Dispersion, LTO, ODA, OAIS Compliant, Integrated Migration, Multi-format, AXF, MXF, Sleeping Disk

Newsroom

Rich Client: Stories, Feeds, Rundown, Browsing, MOS Enabled

Multi-target: Video, Radio, Social Media

Editing: Integrated Editing, Plugin for External Edit, Rundowns Vision in Edit

Playout: Multi-studio, Multi-channel A/B/C/D, Redundant, Multi-format

Airsales

Multi-day inventory view, Fast contract entry for unlimited spots, Centralized campaign planning and placement, Seamless integration with automation systems, Post transmission analysis, real-time reporting and statistics, Sales force and account management. Auto-reservation based on contractual rules and placeholders, Build Scheduling Grids, Real-time monitoring of commercial crowding and proxies, Scheduling on alternative schedules and multiple networks

Censorship

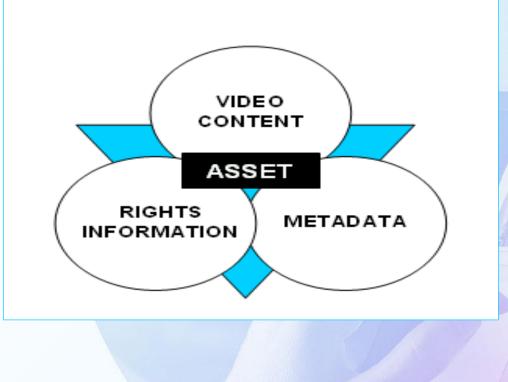
Variable time delay, Insertion of targeted advertisements, Countdown timers, Quick deletions, Insertions and replacements for live and recorded videos, Mute and Bleep functions, Continuous Loop in Playlist, Multiclip insertion, Bookmark insertion, Multiple Image Format Management, Anticipate/ censor/replace sensitive footages or inadequate footages, Main and backup configuration, Compensation for time zone differences



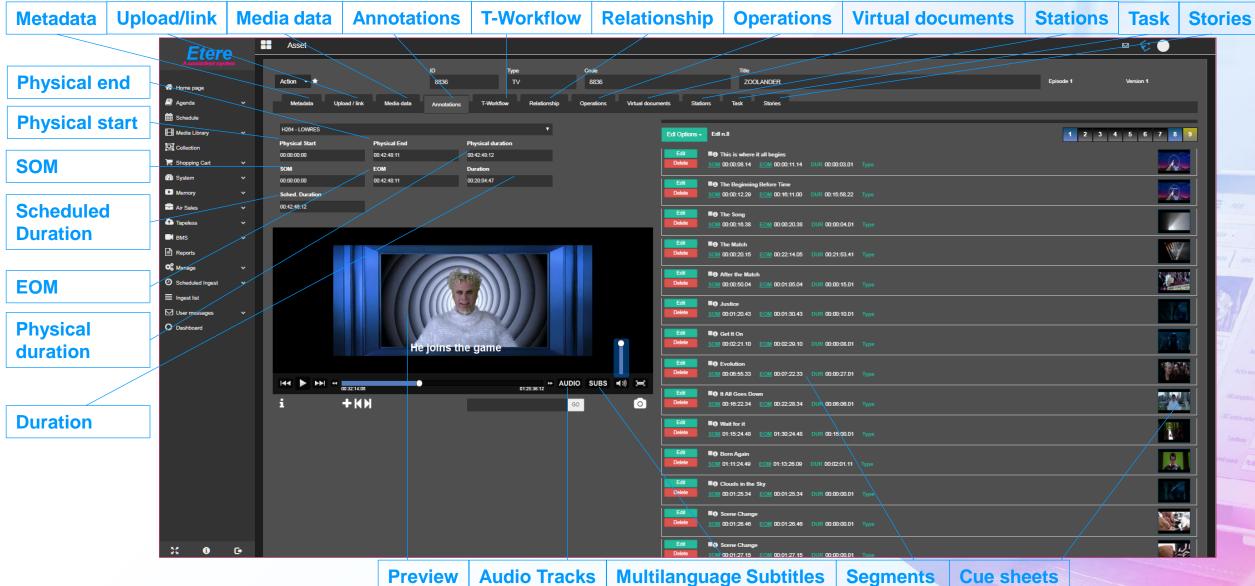
Media Asset Management A complete MAM is always present in ETERE

What is an Asset?

- An asset is made up of 3 key elements:
- Video/Audio/Image content
- Descriptive Metadata
- Rights information



Media Cockpit



Asset Metadata

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Asset descriptive image

Multiple Metadata Schemas



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Media Data

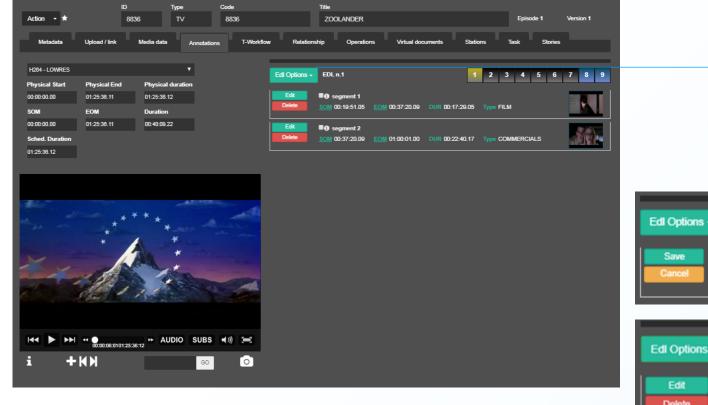
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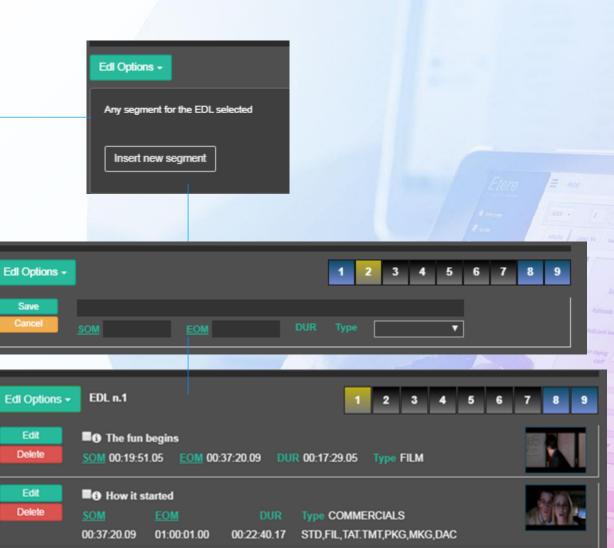
Relationships

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- Create a single project
 A project contains various items
 Each item can have different versions

Create Multiple Segments

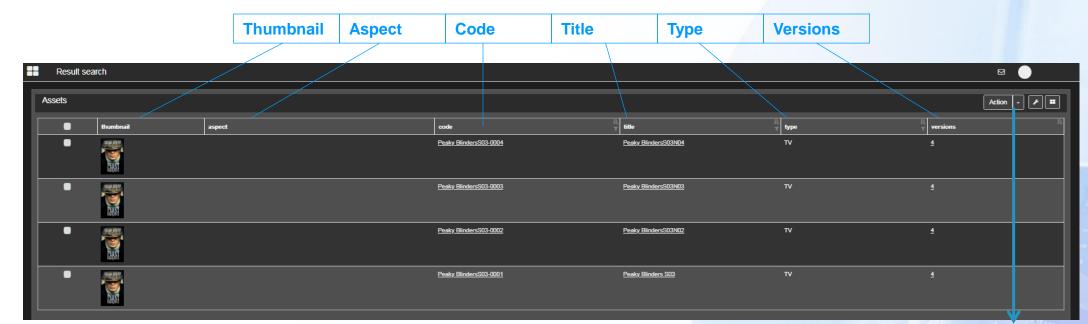




New Series

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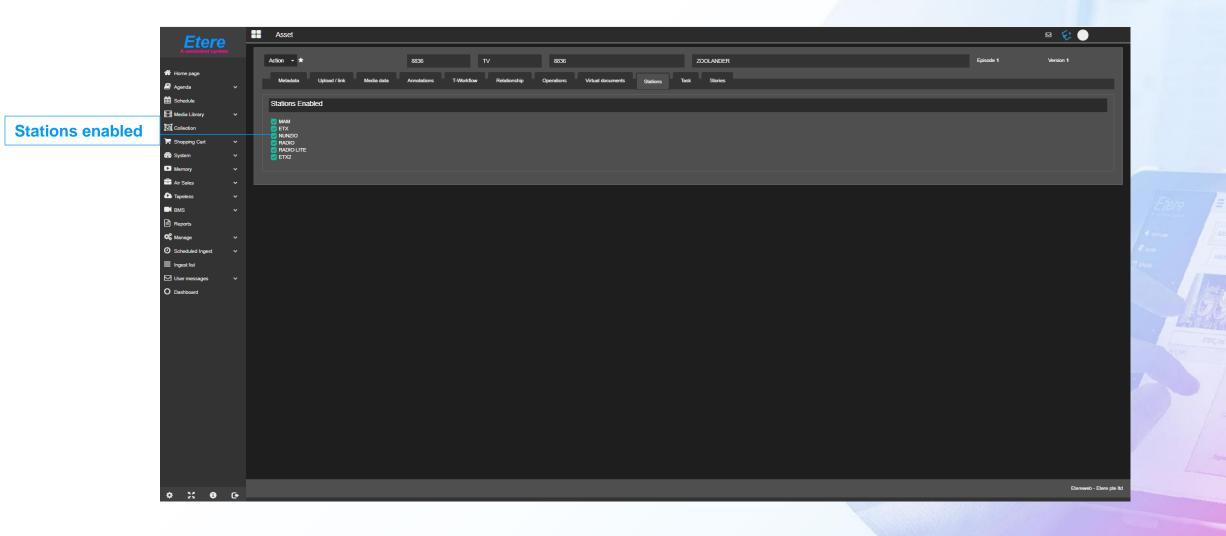
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Control Multiple Files in Multiple Places

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Active Stations



Operations

Operations log

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Document Management

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Reports

Add to favourites

Air Sales Asset

Auto

BMS

Memory

System

Cue sheet

File status

Loudness

Standard Station ID Log Sheet Storage days Themes Log Sheet Video tapes tion Schedule

Asset

VOD Revenue

Continuity report Memory Contents Files Memory Contents Files as pla Memory Contents Summary

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Media Data

Missing Materials Promo Log Sheet Relationships

Resources manager logs repo

Transmission report by catego

Devices space per user Devices used space Documents list

Reports

Cue sheet
Devices space per user
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Document list
File status
Loudness
Media data
Media library logs
Missing materials
Promo Log sheet
Relationships
Resource manager logs report
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Video tapes

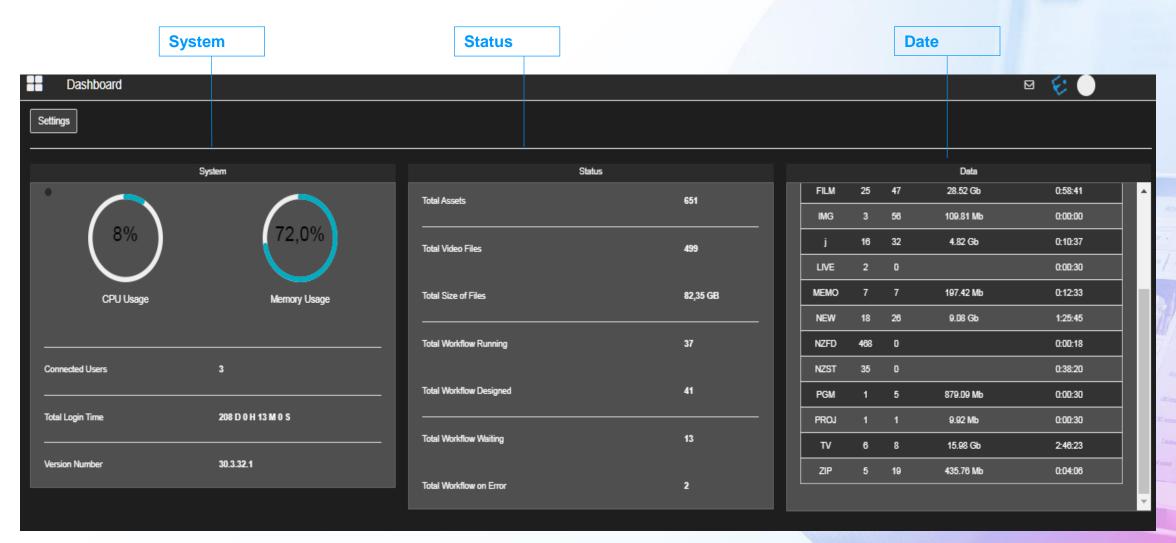
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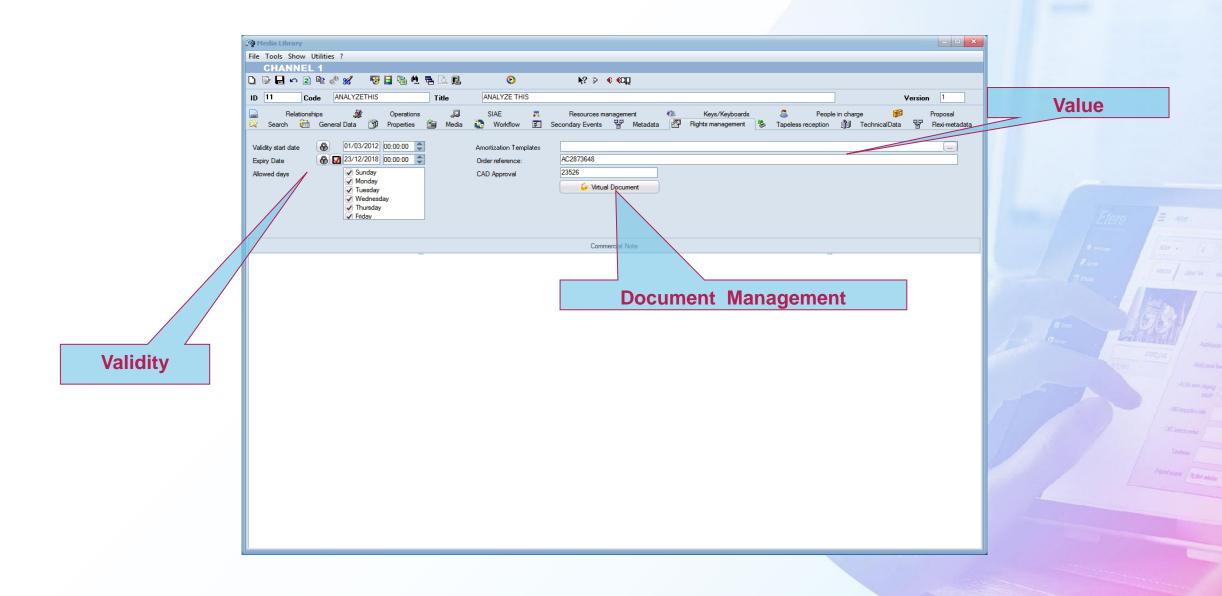
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Dash Board

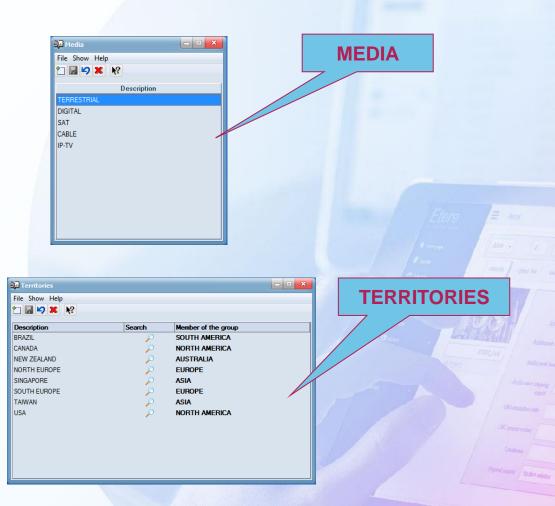


Rights Information

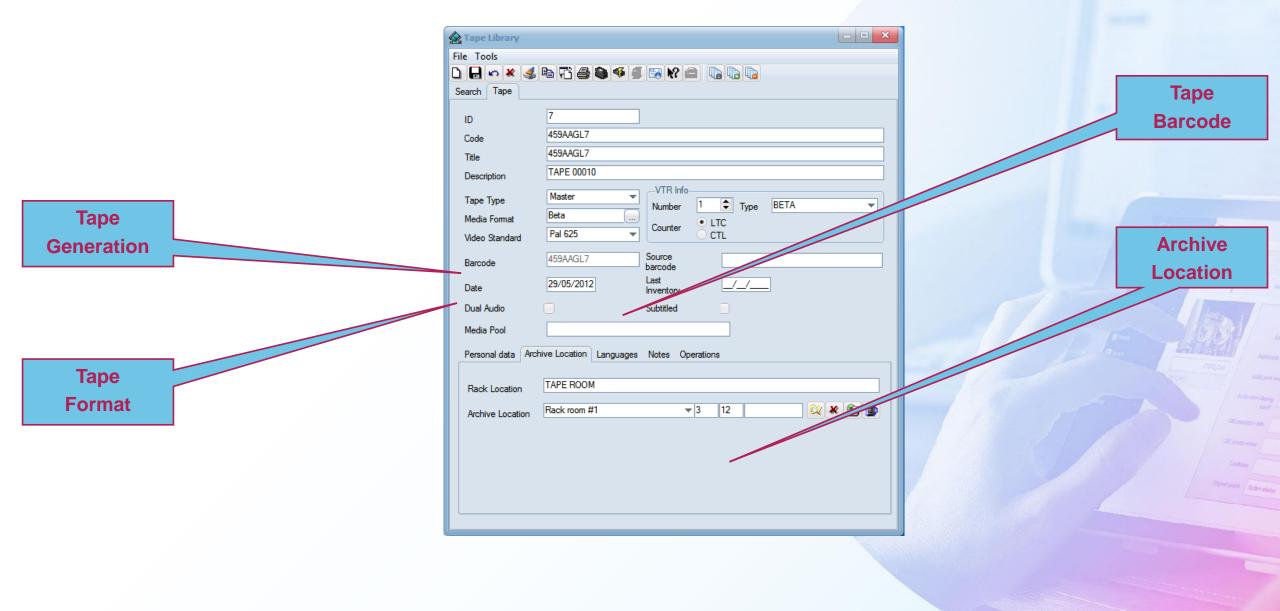


Rights Detail

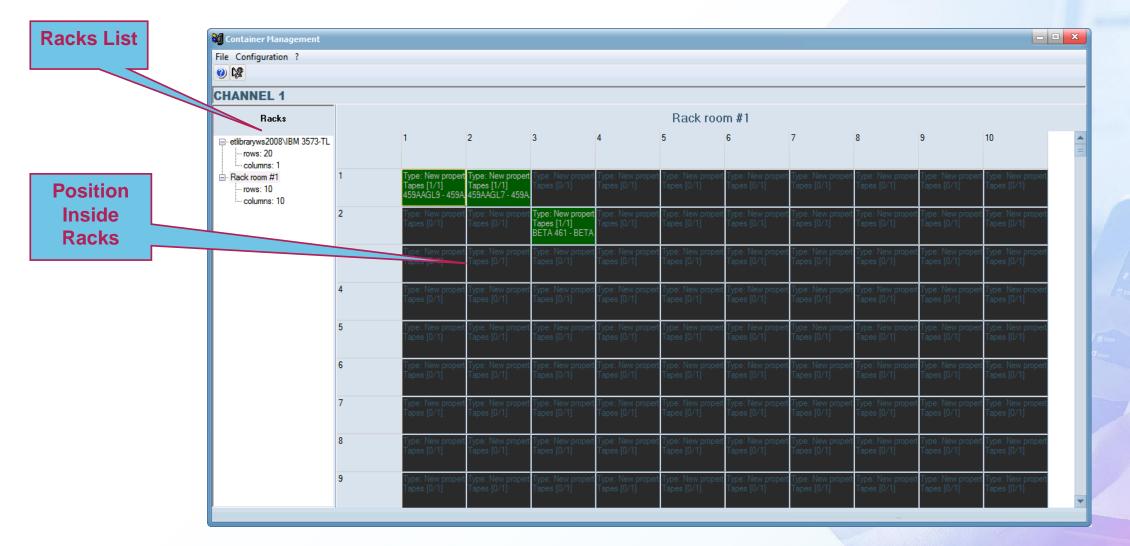
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Tape Information



Racks Management



Tape Loan Management

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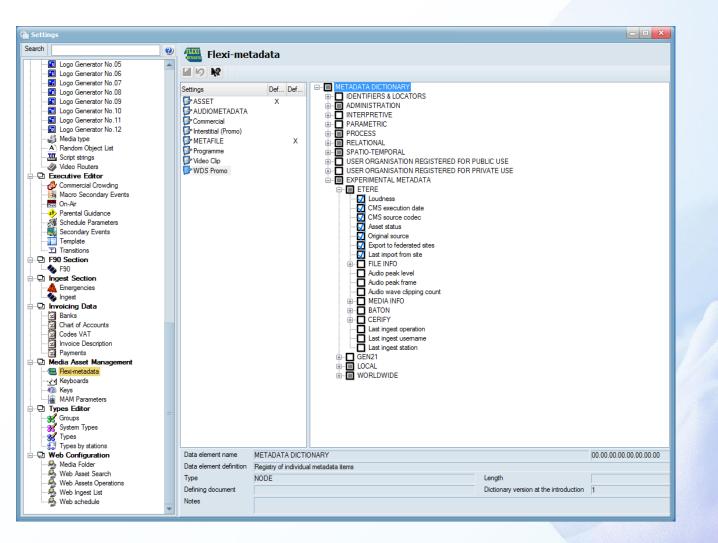
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Etere PCs		4 🔤	B00011L6	LTO6	0	2.27 TB	2.27 TB	100%	BA-MP-LOWROTATION
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		9 🔤	B00047L6	LTO6	2.23 TB	42.16 GB	2.28 TB	1%	BA-MP-MEDIUMROTAT
Media Formats		10 🔤	B00055L6	LTO6	70.00 MB	2.29 TB	2.29 TB	99%	BA-MP-MEDIUMROTAT
🙀 Media Library		11 🔤	B00029L6	LTO6	74.00 MB	2.27 TB	2.27 TB	99%	BA-MP-MEDIUMROTAT
Media Pools		12						0%	
Passwords		13						0%	
🖳 🥘 Personal Data		14 🔤	B00079L6	LTO6	2 27 TB	0	2.27 TB	0%	BA-MP-LOWROTATION
🚺 Racks		15 🔤	B00048L6	LTOG	2.23 TB	46.88 GB	2.28 TB	2%	BA-MP-MEDIUMROTAT
Reports Editor		16 🔤	B00052L6	LTO6	2.26 TB	10.09 GB	2.27 TB	0%	BA-MP-MEDIUMROTAT
Reports Editor		17 🔤	B00023L6	LTOG	125.79 MB	2.28 TB	2.28 TB	99%	BA-MP-MEDIUMROTAT
- 🚰 System		18 🔤	B00083L6	LTO6	2.27 TB	2.2010	2.27 TB	0%	BA-MP-LOWROTATION
Tape Loan		19 🔤	B00084L6	LTOG	2.27 TB	0	2.27 TB	0%	BA-MP-LOWROTATION
Tape types		20	B00085L6	LTOG	2.27 TB	0	2.27 TB	0%	BA-MP-LOWROTATION
Taskbar displayed title		21	B00040L6	LTO6	106.51 MB	2.28 TB	2.28 TB	99%	BA-MP-MEDIUMROTAT
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Configuration parameters		24	B00036L6	LTO6	86.00 MB	2.30 TB	2.30 TB	99%	BA-MP-MEDIUMROTAT
Coding Areas Audience Sectio	n	25 🔤	B00038L6	LTO6	2.19 TB	91.40 GB	2.30 TB	3%	BA-MP-HIGHROTATION
		25 🔤	B00063L6	LTO6	2.13 TB	2.51 GB	2.20 TB	0%	BA-MP-MEDIUMROTAT
Company Tables		27	B00082L6	LTO6	7.61 GB	2.51 GB	2.18 TB	99%	BA-MP-LOWROTATION
··· 같티 Cluster		28 🔤	000028L5	LTO6	7.61 GB	1.36 TB	1.36 TB	100%	BA-MP-LOWROTATION
		29	B00033L6	LTO6	2.27 TB	1.3010	2.27 TB	0%	BA-MP-MEDIUMROTAT
		30	B00076L6	LTO6	220.21 MB	2.26 TB	2.26 TB	99%	BA-MP-LOWROTATION
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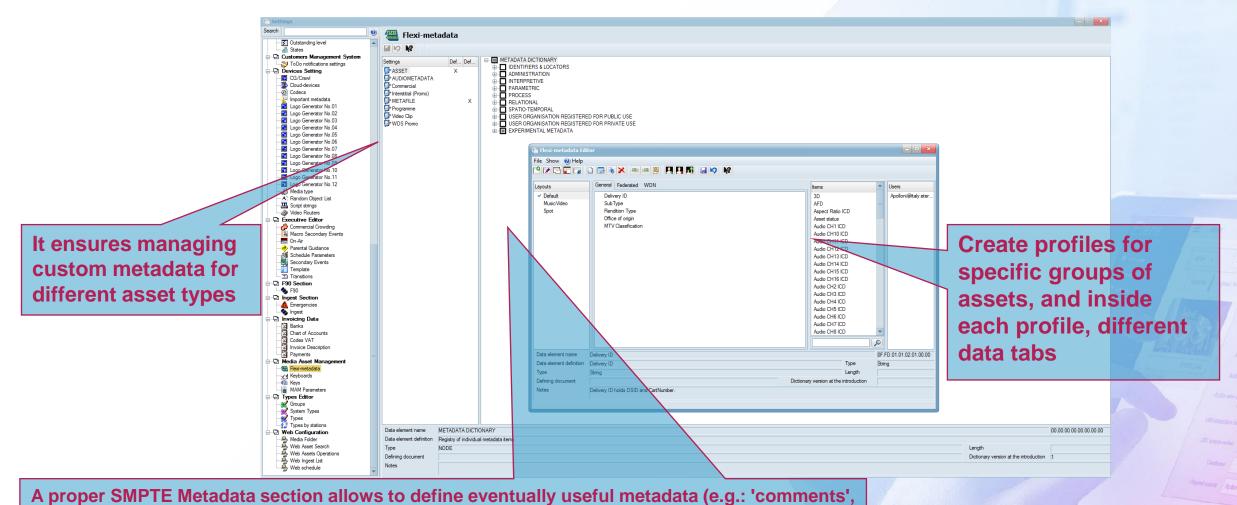
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Flexible Dictionary



Multiple Metadata Schemes



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Video Asset Sample

225127 Code 064D0000000005AE48 Title THE GOLDBERGS 210 Arcopy Clean	Track (436M) Full Res Version 1
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Main File Size [In Bytes]	9775501384
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Material Source	Argentina - BA
Sub Type	Aircopy
Rendition Type	Clean Track (436M) Full Res
rame Rate	29.97
anguage	MULTI
Premiere Date	00:00:00
Delivery ID	HDCLZGL210A1A
Export File Name	HDCLZGL210A1A_E1T1_CLEAN-TRACK
Edition Export File Name	
Aspect Ratio	16:9 FF (4:3 SAFE)
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Standard	HD: 1080/59.94i
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AUDIO Audiotech		
AUTHOR	Giovanni Allevi	
NATURE OF PERSONALITY (Individual or Group)	Individual	
COLLECTION MAIN TITLE	Evolution A Perfect Day	
SECONDARY TITLE		
TRACK NUMBER	4	
RECORDING LABEL	* Sony/BMG	
GENRE	Classical	
MONO CHANNELS		
STEREO CHANNELS		
MATERIAL ABSOLUTE DURATION (Days, Hours, Min		
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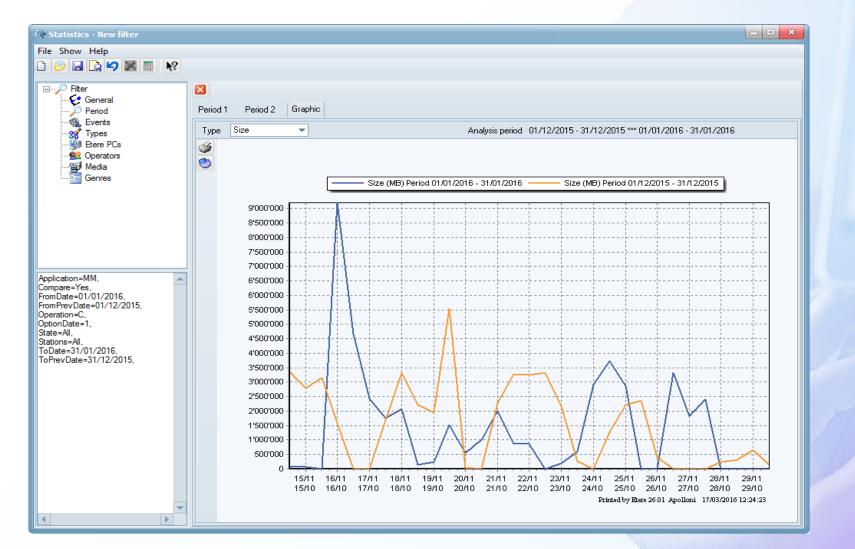
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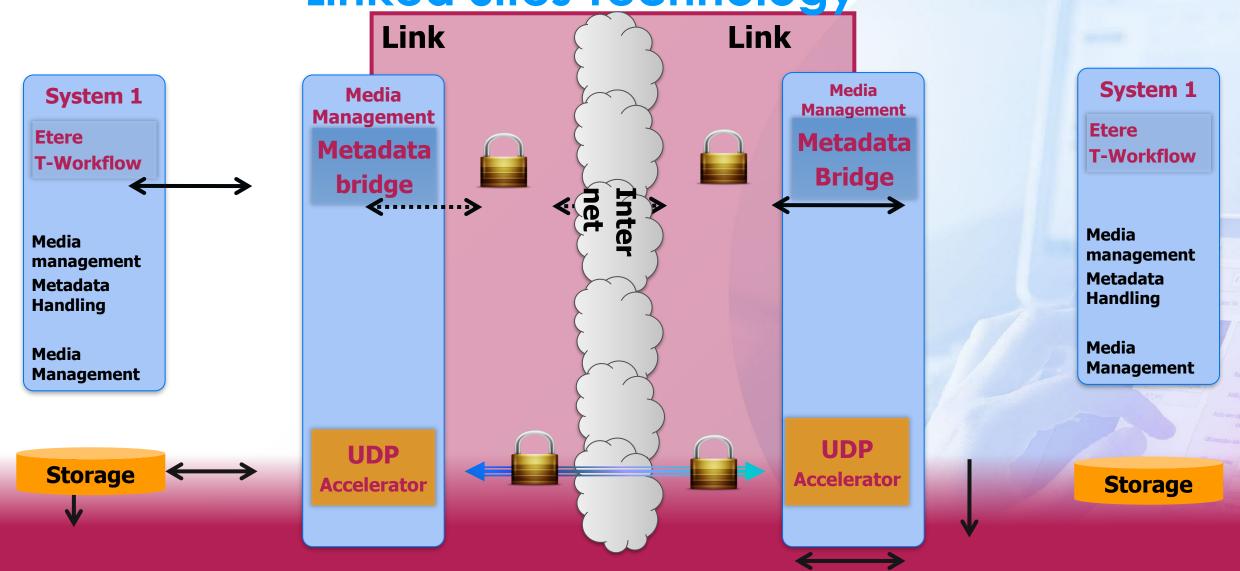
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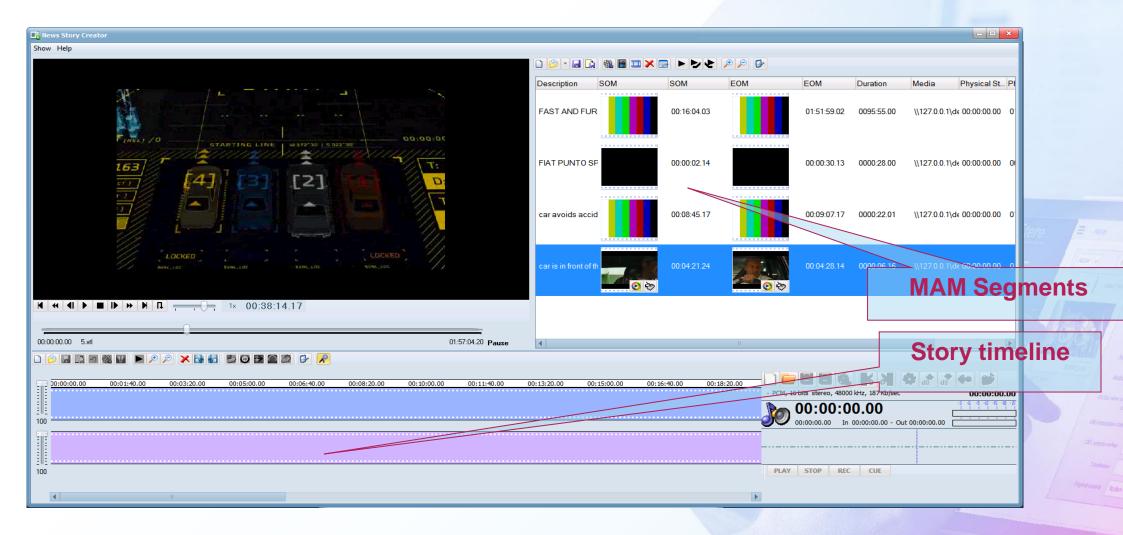
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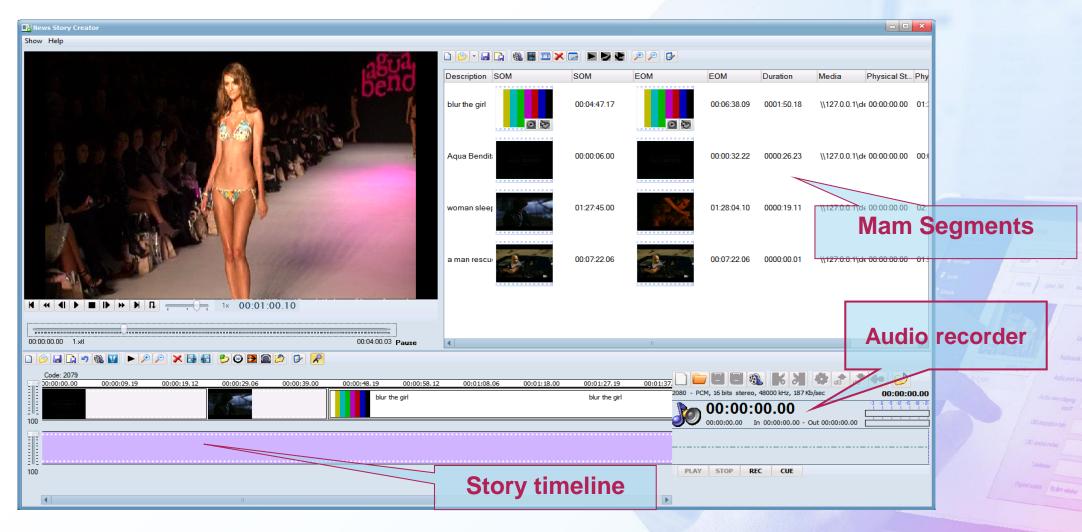


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Tapeless Reception

Receiving Files Easy and Secure as Tape

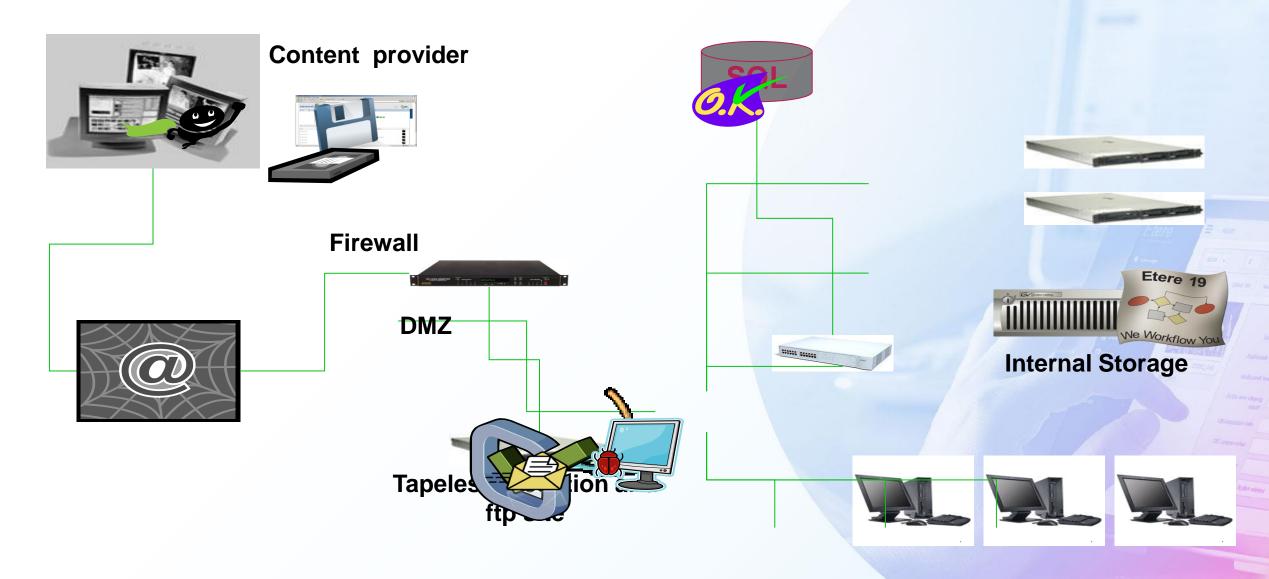
Workflow

- The Librarian knows a new asset must arrive
- He creates the basic metadata
- Assigns this asset to the sender (Agency, producer, production company)
- The sender logs into Etere Tapeless Reception
- Sees the assets you are expecting
- Uploads the files and complete metadata
- As soon as the upload is completed a confirmation e-mail is sent to the sender (with the option of having a low resolution copy of the file attached)
- The Librarian receives a confirmation e-mail

Tapeless Reception Web

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	Description	/
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PENNE2	PENNE RIGATE	as a second s
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LIVE_CH5_5MIN	LIVE CH5 5 MIN - TIMEOUT 1MIN	

Tapeless Reception



Tapeless Reception

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Person in charge Supplier Scheduled Arrival	FORD Motors ASSOCIATED PRESS			
Office in			Sender of file	
charge		ive time limit		



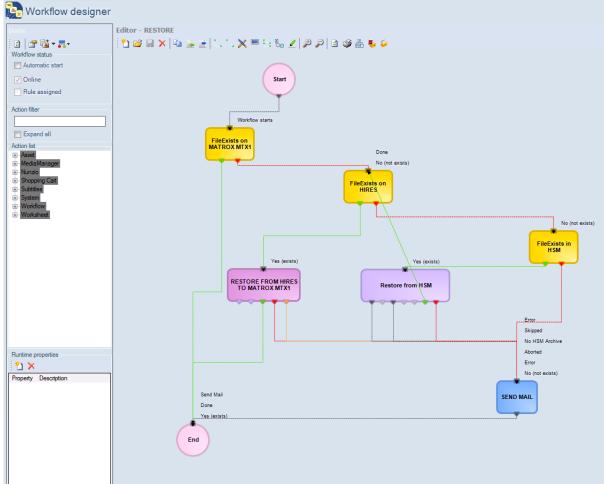
Workflow

You can design Etere as you wish

The Etere Workflow

- Etere approach is unique
- It combines the IT based workflow technologies with the management of video content
- Etere workflow can be fully customer designed
- It uses all the Etere technologies for redundancy and load balancing
- Easy to use easy to control

Example Restore to On-Air

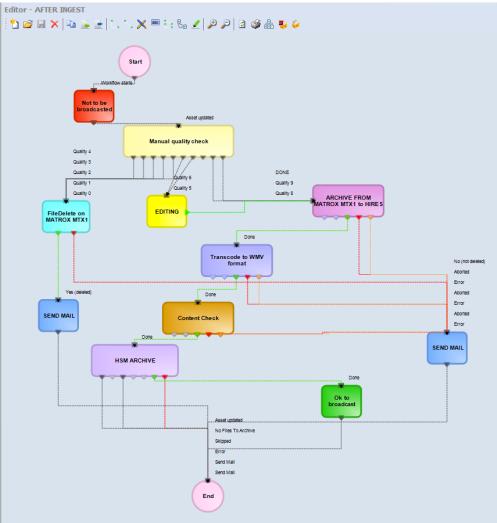


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TV Workflow



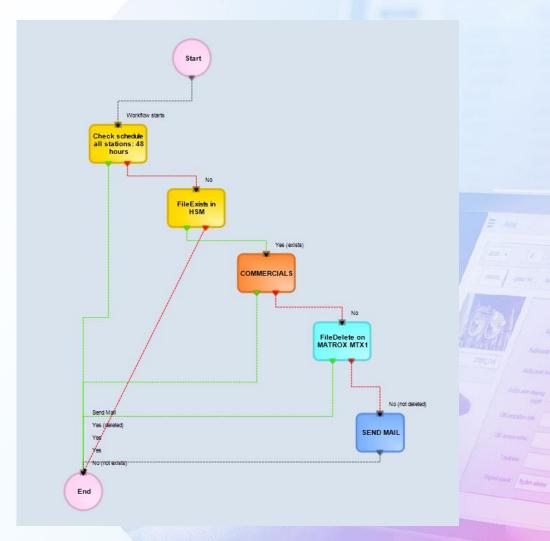
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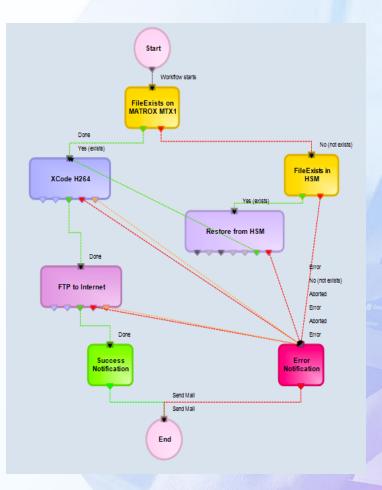
Free On-Air Server

- You wish to delete from onair server everything not scheduled on next 24 hours
- But not commercials



Send File to OTT

- Simply select the list of the asset
- And attach a workflow
- Workflow can export asset and metadata



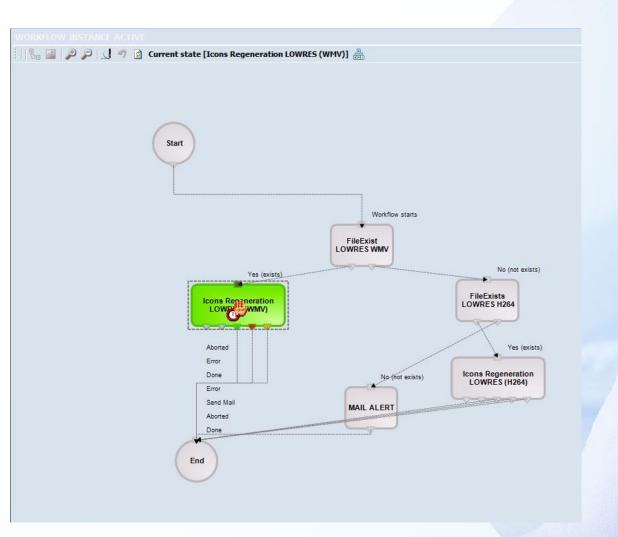
How To Use

- Simple attach and start the workflow to an asset
- A set of workflow is automatically executed
 - When you ingest
 - When you transfer a file via Etere web
 - When you wish to retrieve from Etere web
 - When a file is discovered by Etere active sync
 - When you publish a schedule
 - Or selecting one or multiple assets

Check Status on Asset Form

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6049	28/08/2014 16:53:15	End	System	Action just activated		service_broker			MARKETING16	EtereMM9.exe		Workflow
6048	28/08/2014 16:53:15	End	System	Action just activated				sis	MARKETING16	EtereMM9.exe		
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5734	28/08/2014 16:48:58	Icons Regeneration LOWRE.		Action just activated				Windows.Unknown				
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Visual Status Check



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Annalda Valenanda

Easy to Use Easy to Check

- A powerful tool as Workflow must be easy to use and easy to check
- If you wish to know all assets running a workflow and / or their status?
- Simply perform a search in extended search tool
- Any combination is available as well as a graphic preview of the workflow itself
- Who is in charge of content check can list all the assets he needs to control from the standard asset form search

Search by Workflow

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Workflow Search

- By workflow: All assets running a selected workflow
- By action: All assets performing the selected action in any workflow
- By workflow and status: All assets running a workflow and having the selected status
- By workflow and action: All assets running a workflow and performing the selected action
- By status and action: All assets having the selected status performing a particular action.

Global Workflow Status

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Resource Management

When Moving Files

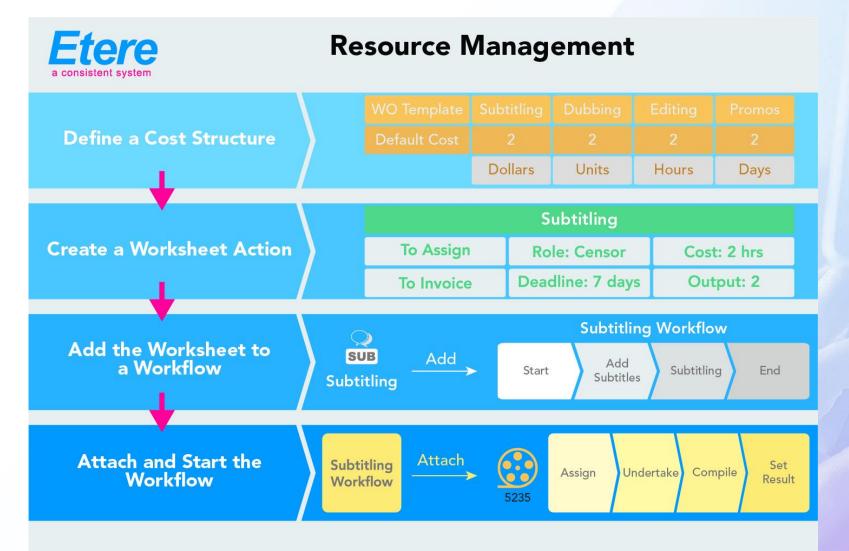
A More Efficient Workflow

- Etere Enterprise Resources Management improve your workflow
- We do not change your tasks but make them more efficient
- Etere ERM is the base of your job organization
 - Generate Work Order
 - Track Work Order
 - Track expenses
 - Manage files and rights
 - Manage resources
 - Generate agendas

Etere Agenda

- It's the central job repository
- No more crawling between application to perform your tasks
- One single click and you are redirected to:
 - Preview approve
 - Asset data management
 - Subtitling
 - Ingest
 - Dubbing

Resources Planning



User Agenda

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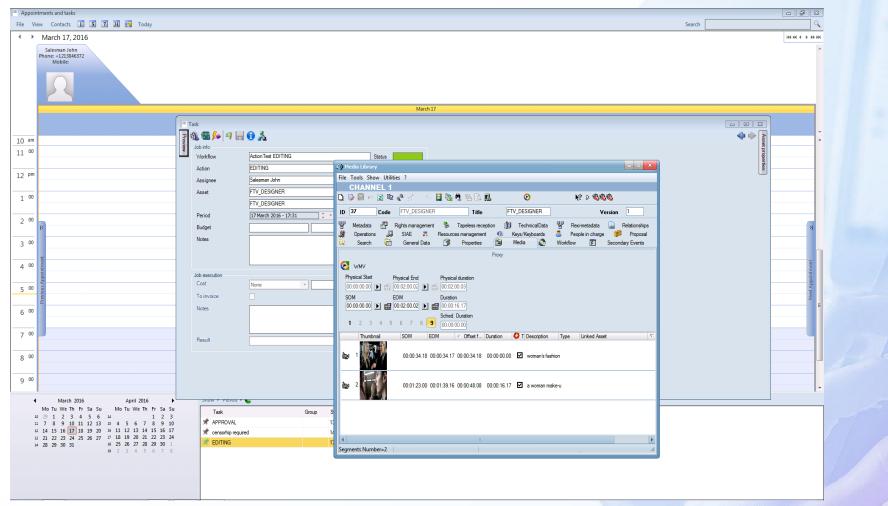
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Task Details

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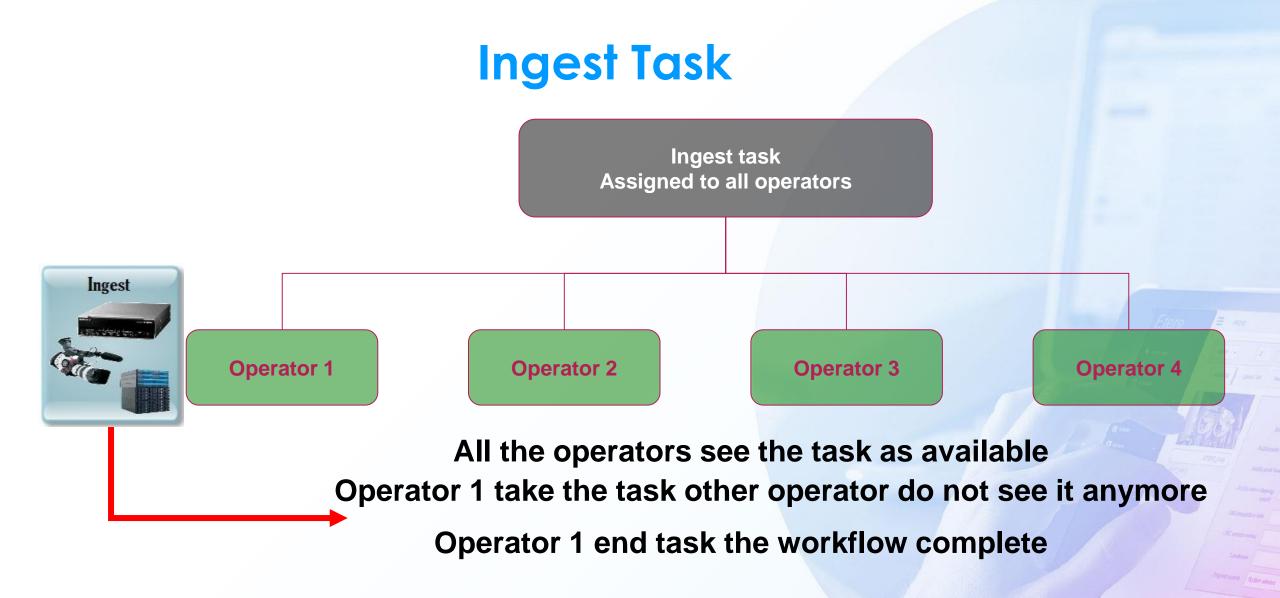
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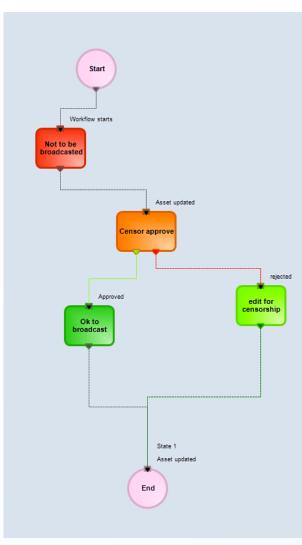
Task Sharing



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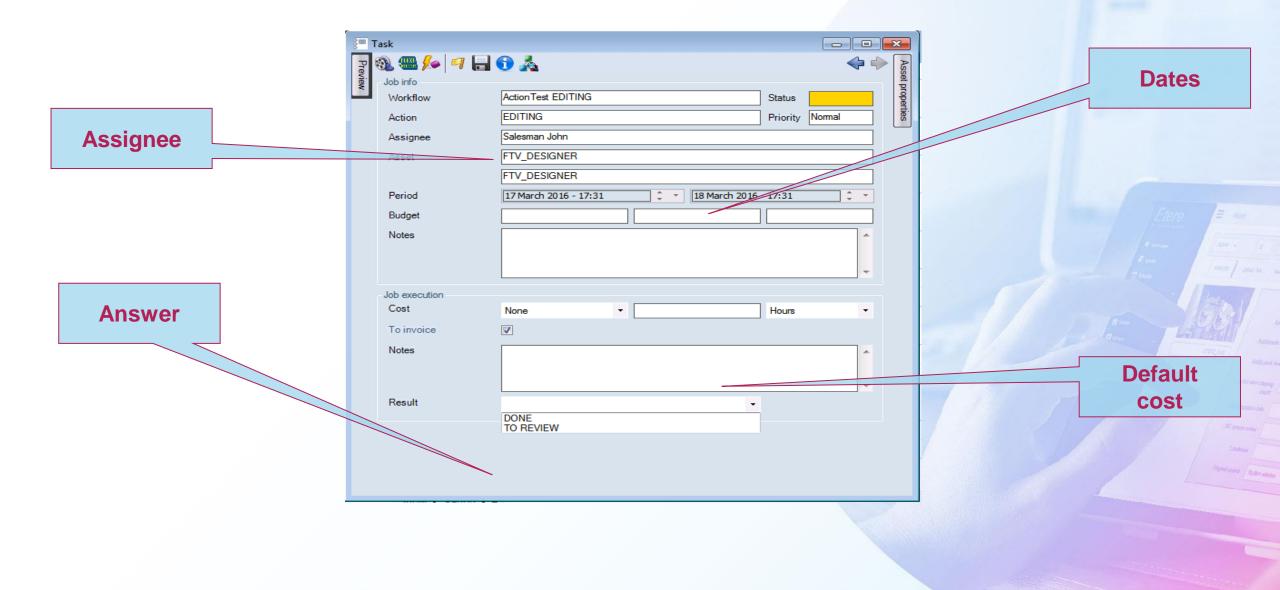




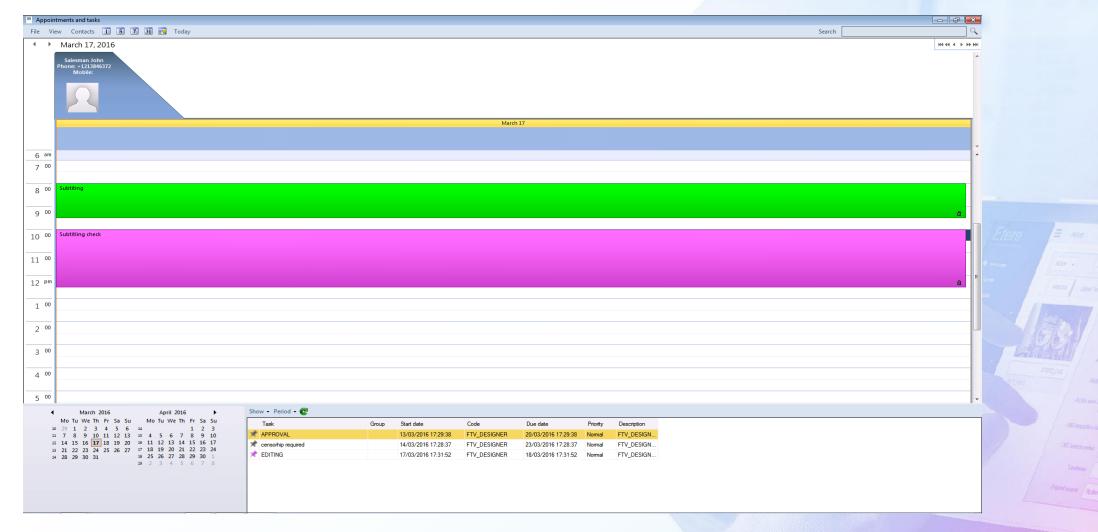
Assign Job

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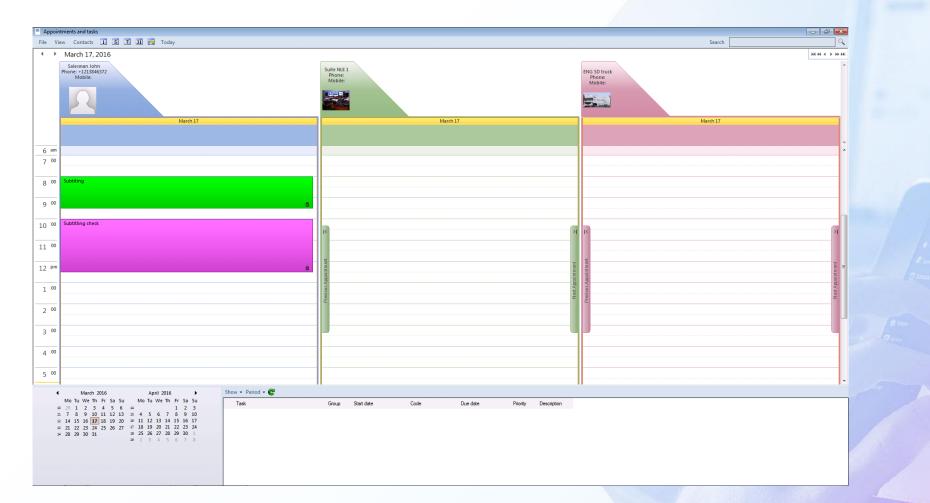
Details of the Jobs



Personal Calendar



Resources Calendar



Prof same Difference

Outlook Integration

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Cost Control

Cost Control

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Each Task Can Have a Cost

- Cost is category and default value is pre-determined when task is build
- Cost categories can be configurable as
 - Money
 - Operator Time
 - Equipment time
 - External organization cost
- All those costs and their values are fully customizable
- Time used is automatically detected

Cost Categories

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Detailed Report

CHANNEL 1

Media library logs [Resources manager]

Media library logs [Resources manager]

2281 - Pyramids of Death

Digital Certificate

Additional Password

Date	Workflow	Action	Result	Machine	Operator	Notes	Certified	Pwd
17/09/2012 17.43.46	ActionTest Censorship	Censorship (3541)	Approved	ROBERTOW 7	roberto	checked all parts	Yes	Yes
17/09/2012 18.04.18	ActionTest Audio level check	Audio level check (3527)	Audio level OK	ROBERTOW7	roberto	checked all audio levels	Yes	No
17/09/2012 18.04.37	ActionTest WS generate subtitles	WS generate subtitles (3186)	Subtitles done	ROBERTOW 7	roberto	english and italian subtitles	Yes	No



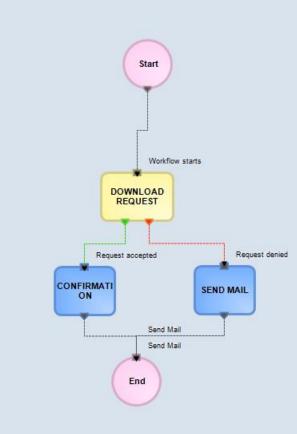
Edit Integration

Search for Assets

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Ask Permission

Editor - DOWNLOAD REQUEST



User Agenda

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Client for Mac



How to Upload

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Etere 19

Ne Workflow You

Ready to Be Used

- All the programs are uploaded and correctly placed on the schedule
- Files have been checked and normalized
- Files have been sent to On-air server
- Any error in the process immediately calls the operator attention
- All the digital receipt have been correctly signed



Archiving projects

Projects

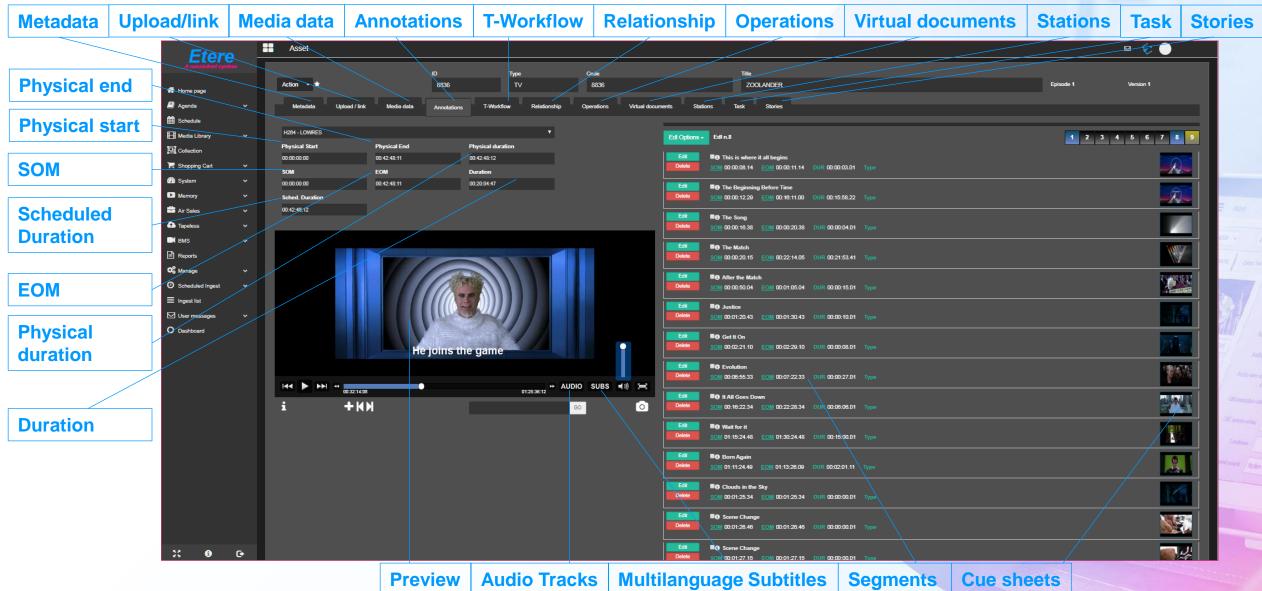
- Etere MAM is able to archive also 'bundle' assets.
- Those are composed by serveral files in a directory like structure.
- This is very useful to archive project aor other groups of files.

Archiving Projects

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Code : W Title : dir WEB3932 L3932 LTEST Create and Link Upload / link metafile	rectory upload	FILE	File	TutorialFTP.zip			

Etere s.r.l. - via Etere 1 62029 - Tolentino (Italy) tel +39 0733 9564 mailto:info@etere.eu

File Preview

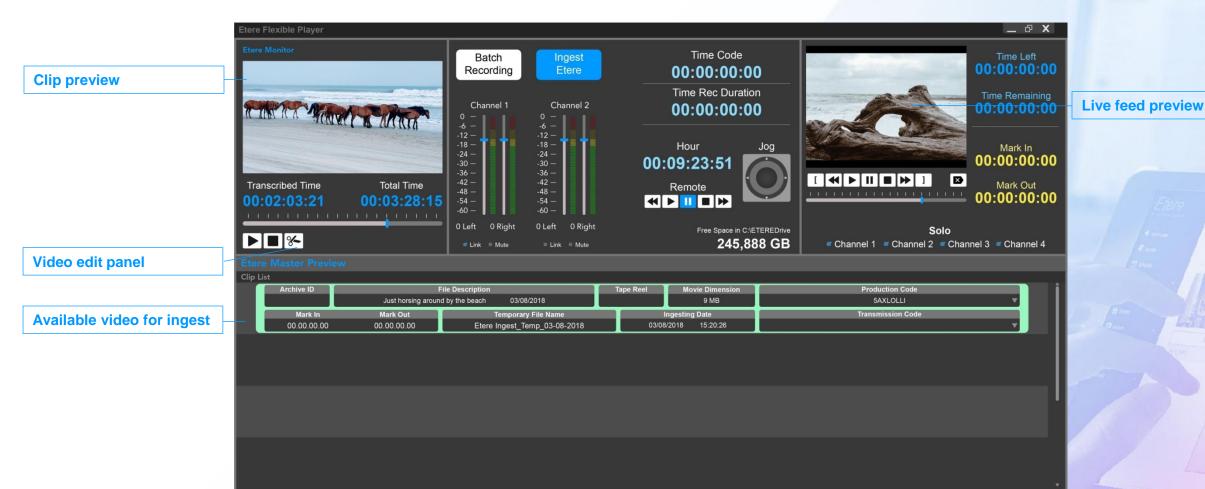




Ingest



Inbuilt Ingest



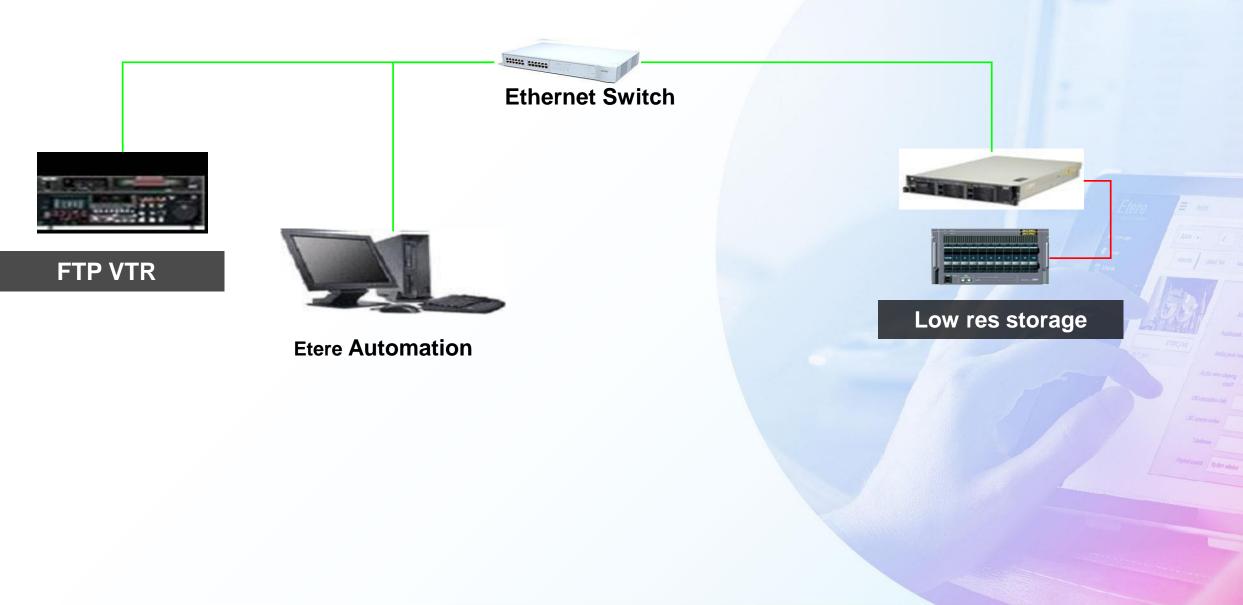
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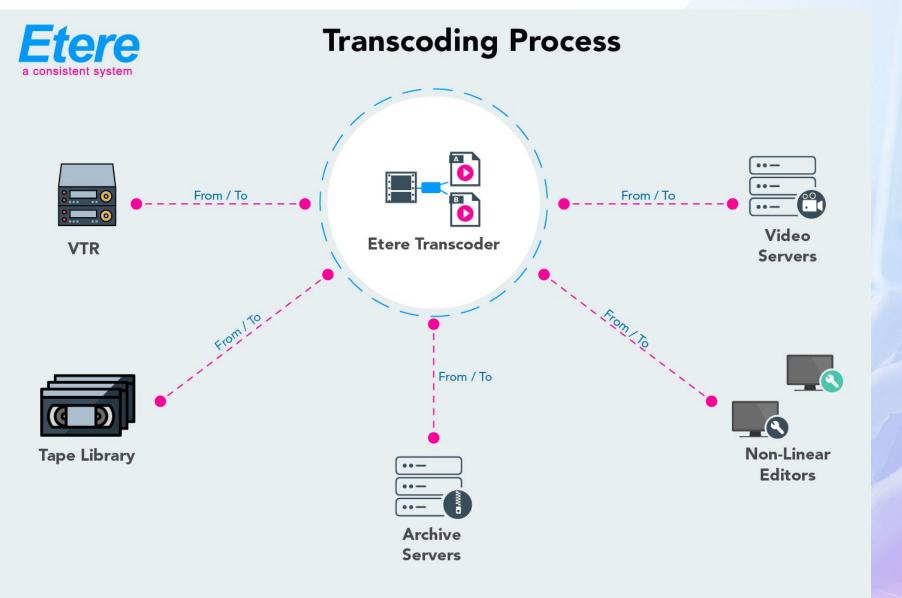
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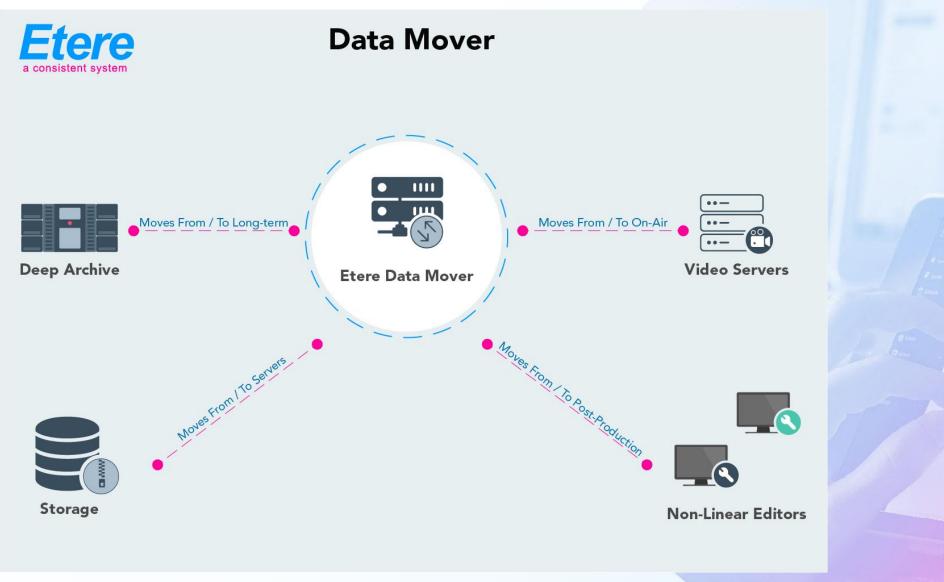
FTP Ingest



Media Transcoding



Media Moving



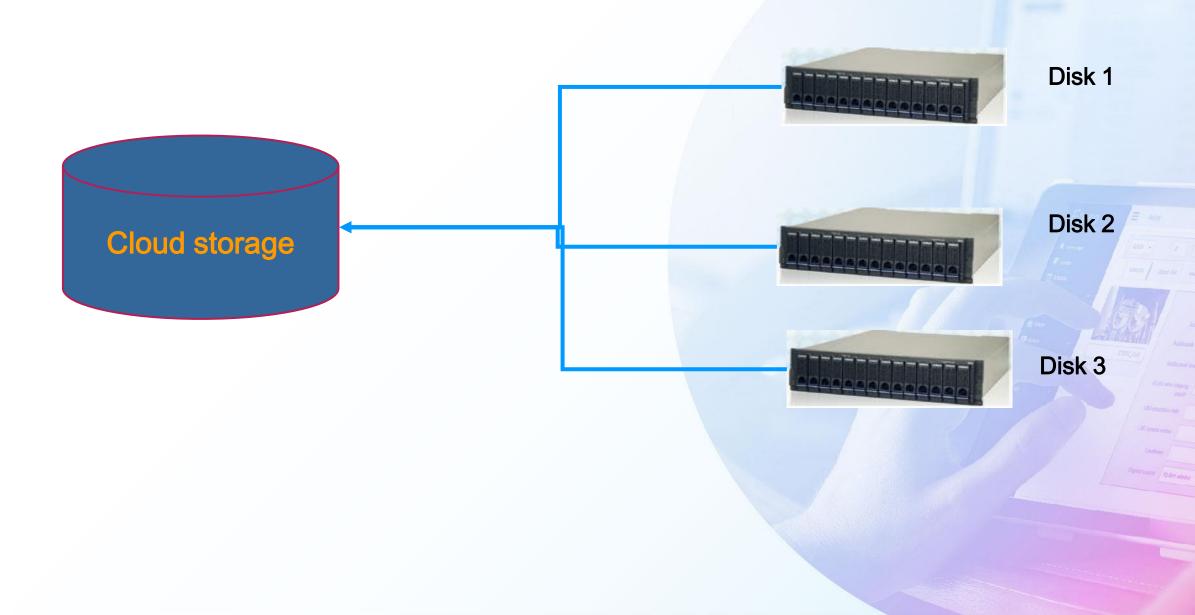
Load Balancing

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Cloud Media Management

- The key of this project was Cloud
- Etere MM create a private Cloud where to store your content.
- Cloud devices are logical entities. They can be group of devices or part of one device or both
- Etere MM automatically controls the available space in the cloud Etere MM has a multi-volume management intelligence

Cloud Devices



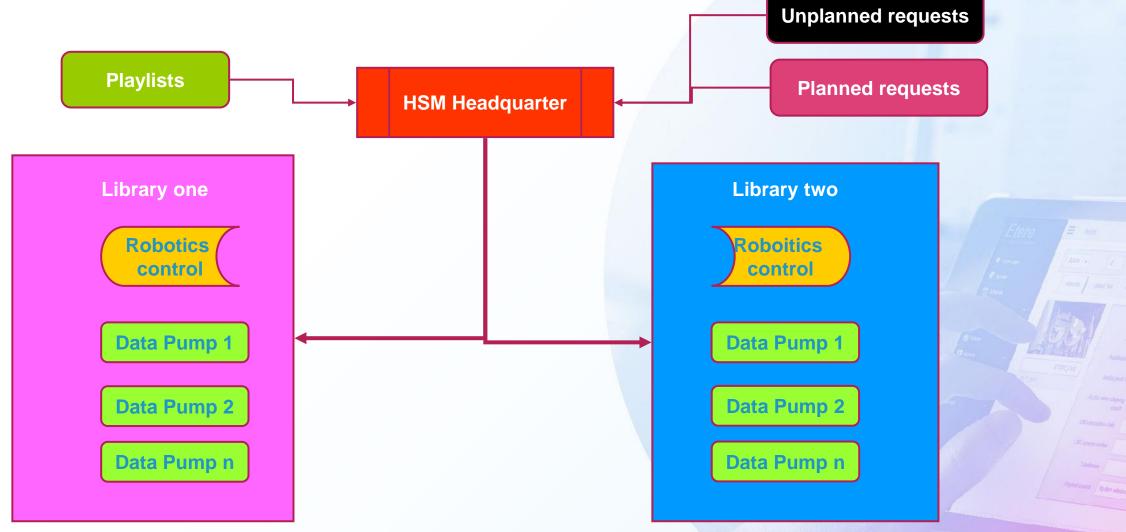
Partition Device



Cloud Storage Capabilities

- Load balancing
 - Multiple data mover sharing the same job
- Space aggregation
- Lan and Wan transfer
 - FTP Active
 - FTP Passive
 - FTP Server to Server
 - NTFS-NFS
 - UDP file transfer
- All those features allow you to use standard IT storage instead of special solutions

HSM Archive



Etere Cloud HSM Features

- Optimized for broadcast use, archives long term media and restores as fast as it's possible
- Each drive can be assigned as R/W according to timeslots in the day and the week.
- Online and offline tape management
- SMPTE 2034 archive format for long life
- LTFS format as a free option
- Background defragmentation
- Dynamic media pools
- Integrated tape migration
- Touch function to test file integrity periodically
- Conforming to Open Archival Information System (or OAIS) procedures



Browsing

Browsing

- True browsing with J&S and audio scrub
- Secondary events preview
- Full logo preview
- Full Subtitle preview

Enhanced Browsing

Subtitles

Logo Preview

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Timecode



Etere Player

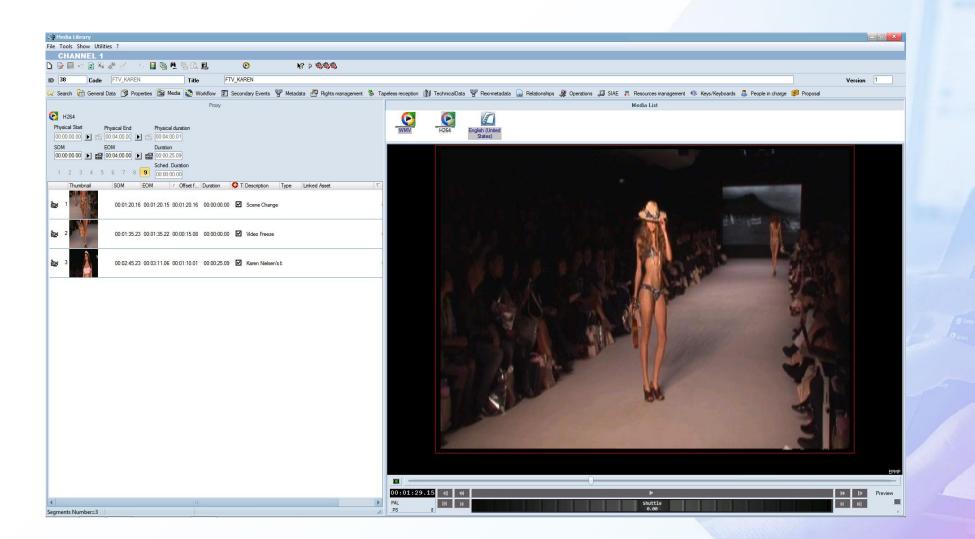
Etere Player

- High performance software based player
- Broadcast J&S
- Low res player
- High res player
- External monitor for Quality play the file in the external monitor will not be resized
- This function is developed to check the result of QC system

Some Etere Player Uses

- File based ingest
 - Monitor and trim the file immediatly after ingest
- Schedule preview
 - Preview the file that will be onair
- QC checking
 - After a QC report check preview the video from PC
- Audio monitoring
 - Check audio tracks content
- Check Aspect ratio

Etere Player on Asset





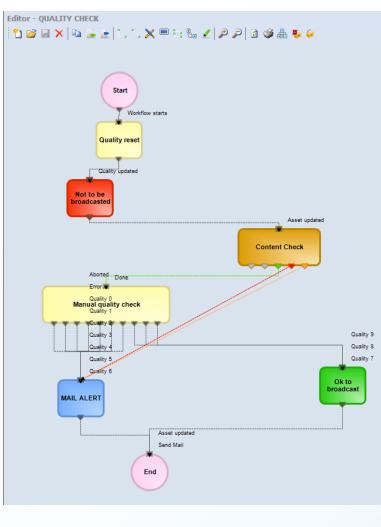
File Based Operation

Quality Control

- Etere provide two solutions for QC
- Etere CMS provide a fast and inexpensive system to check your video and audio
 - Freeze video
 - Black video
 - No Audio
 - Out of phase audio
 - Over peak audio
 - Loudness control ITU 1770-1
- All can be performed faster than real-time from 8x to 100x using standard hardware
- Etere Advanced QC complete QC control
 - Multi thread up to 4 files at the same time in the same licence
 - Load balancing
 - Integrated WF

Full Workflow Driven

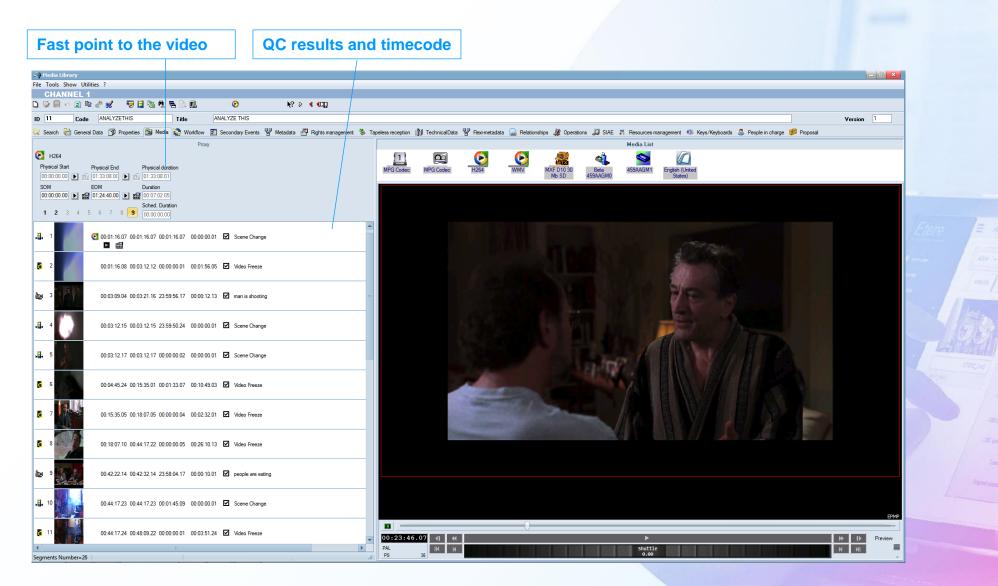
WF – Automatic Content Check



Loudness as Metadata

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Tools Source Utables ? PLANNEL 4 PLANNEL 7 PLANNEL 7	Media Library	
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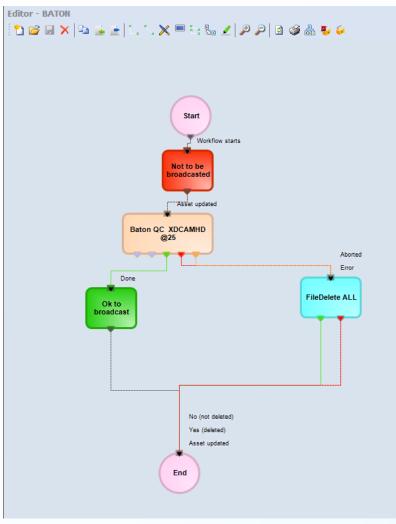
QC Status



Using External QC

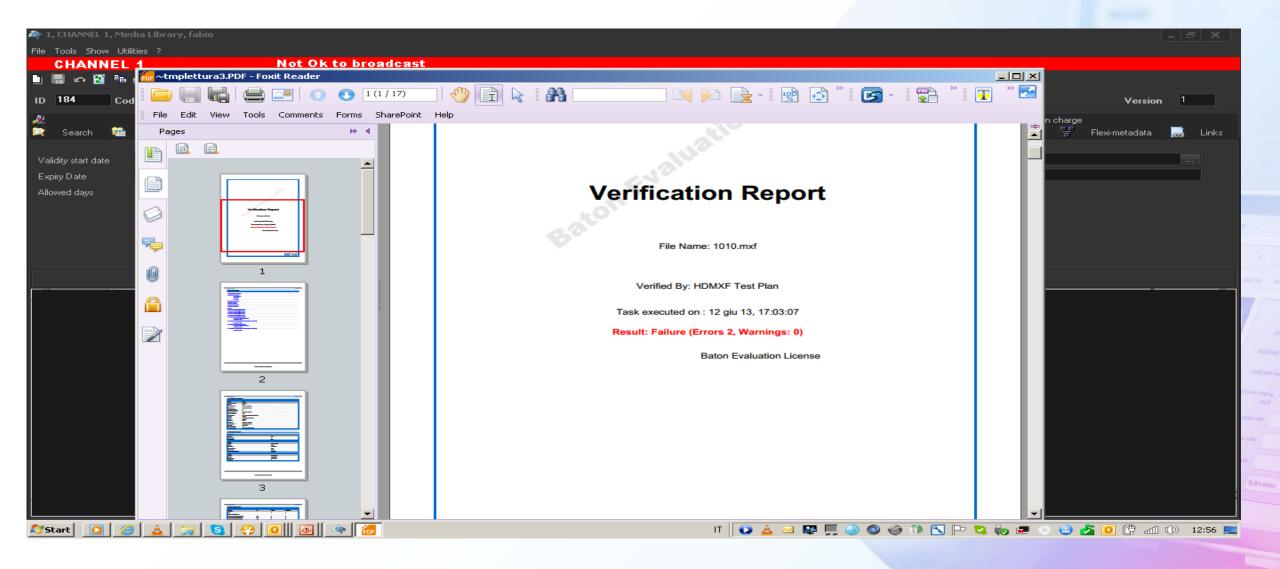
- Etere is integrated with any file base QB in the market as:
 - Cerify
 - Baton
 - Digimetrix
- The QC Gui is no needed everything is controlled by Etere Workflows.

QC Workflow



Elera a mar a

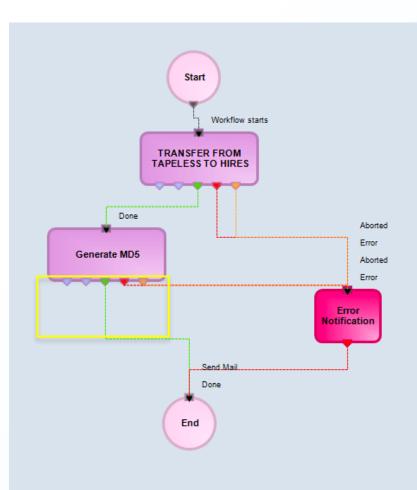
Detailed QC result





MD5 Signature How to sign a File

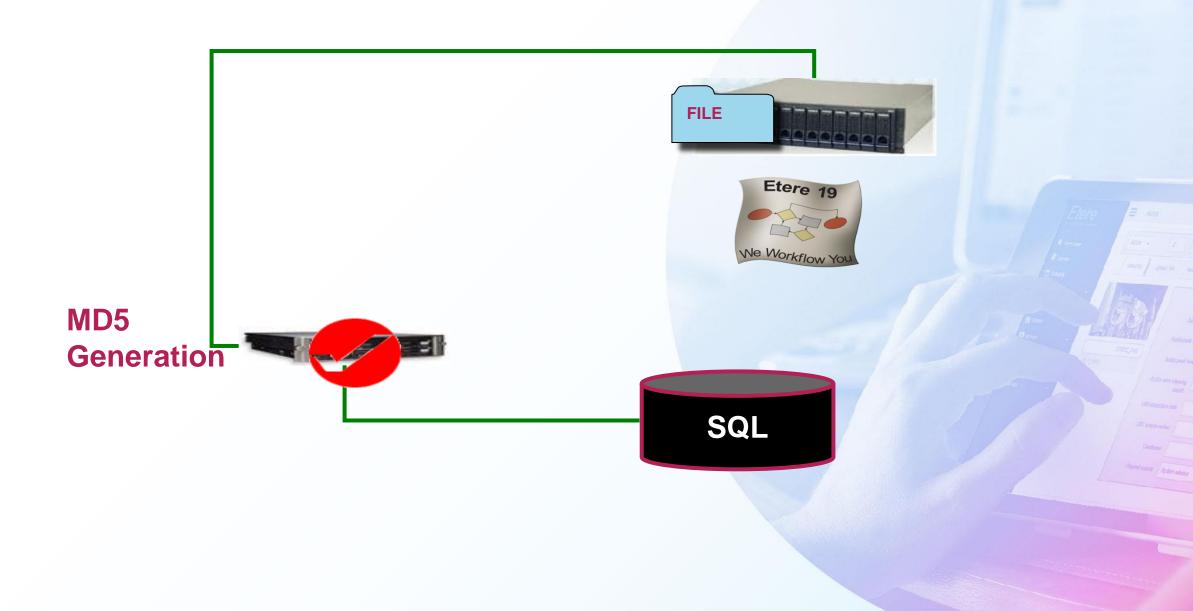
Typical Workflow Process



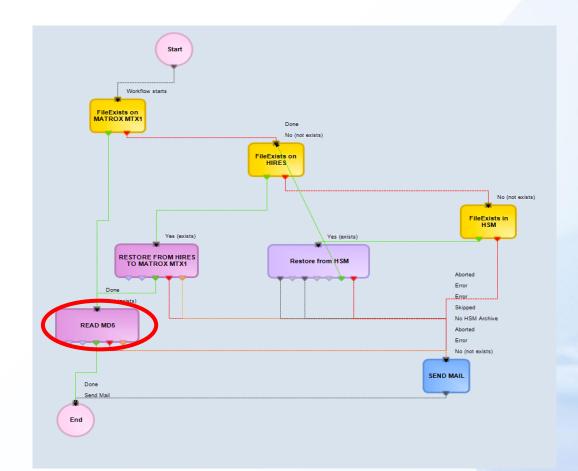
MD5

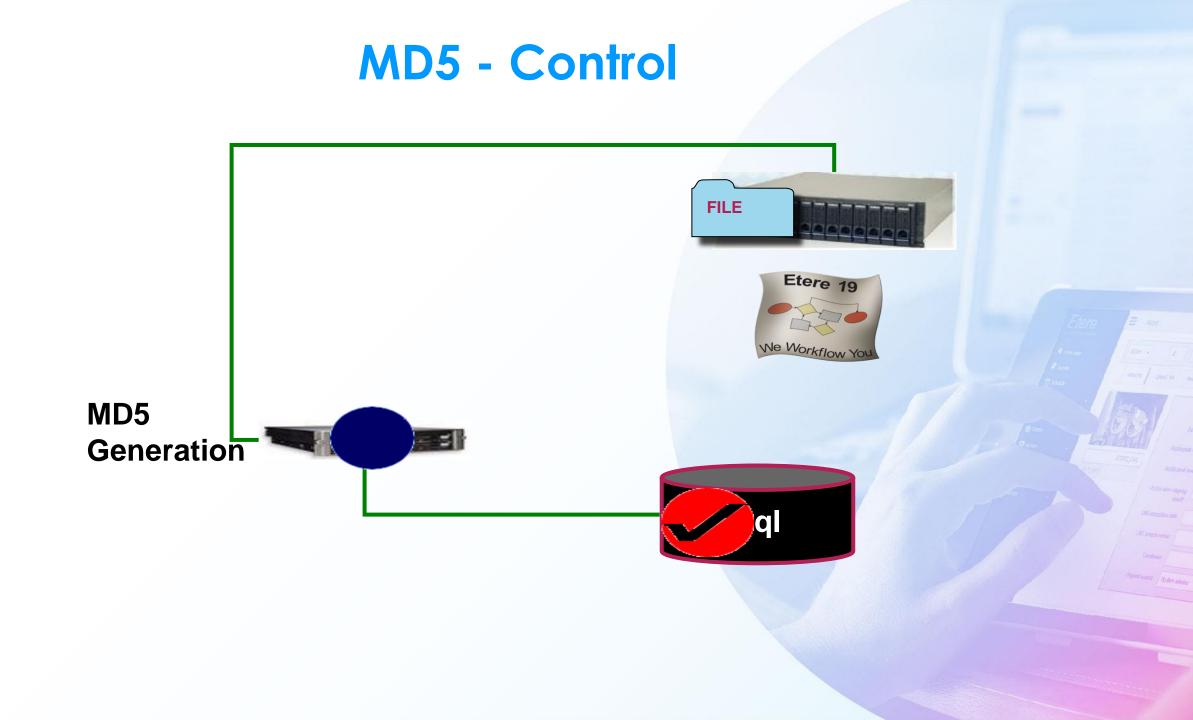
- MD5 is used to assure thet the file do not change
 - After moving
 - After archive retrieve
 - After moving on WAN
- With MD5 you are sure that the content is exactly the same and the wrapper has no errors.

MD5 - Generate



MD5 - Control



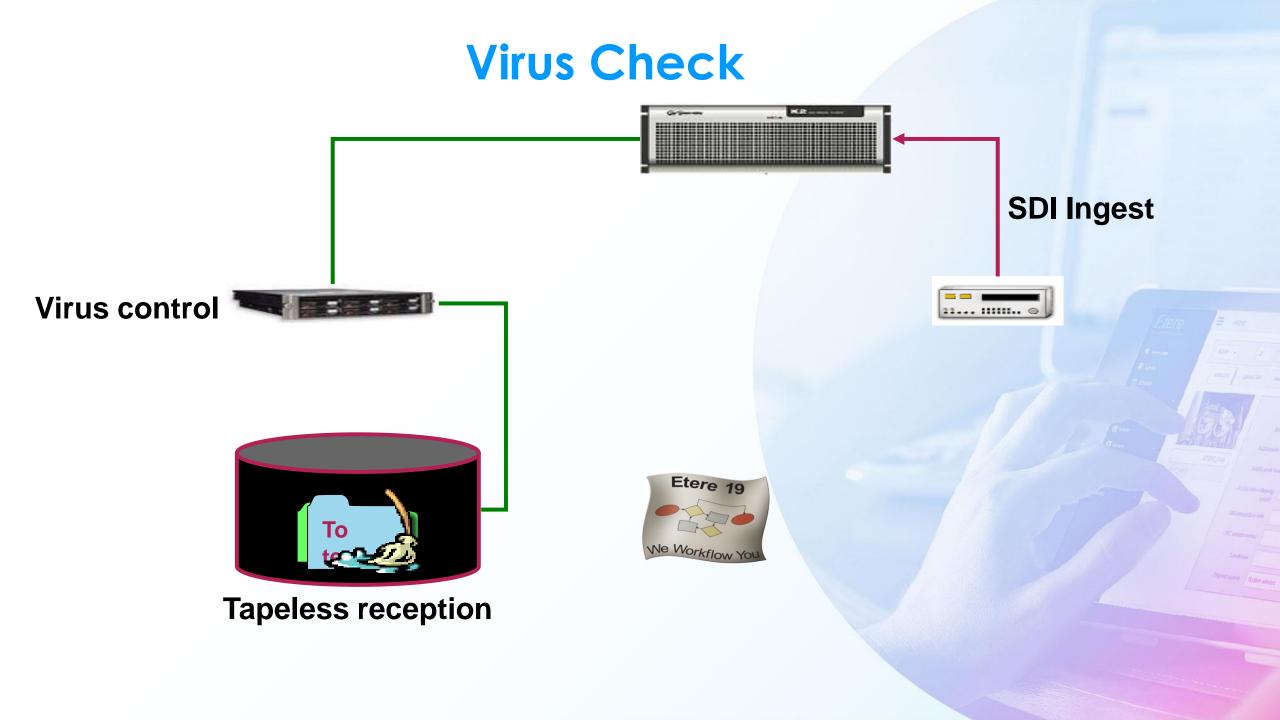


Files with MD5

Etere	Ľ	Asset						I	a 🗞 🔵 🗠
A consistent system		Action - 🖈	8836	TV 8836	ZOOLANDER			Episode 1	Version 1
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🗮 Shopping Cart		8836 ? 💶 8836 🗿 🗋		Name	8836				
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Virus Check

- When a new file is uploaded from an unsafe source, it can be a good procedure to run a virus check
- Etere can control an external antivirus engine to do a test on specific files



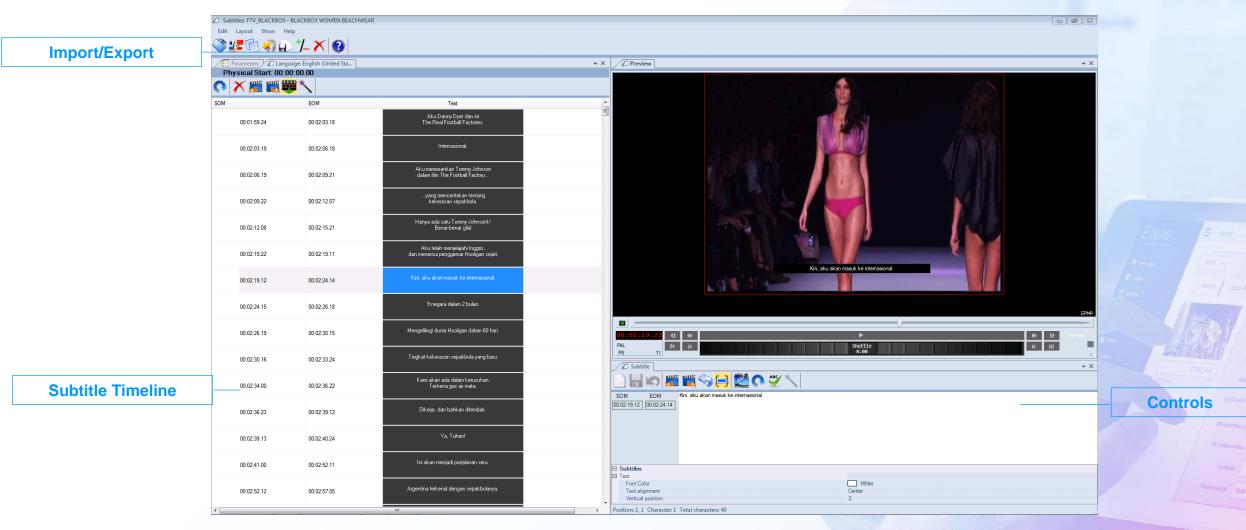
Other Video Operations

- Time code imprint
- Subtitle/CC imprint
- Titling
- Metadata transport/conversion
- Line 21/CC conversion
- Watermarking
- Logo insertion
- Aspect ratio conversion
- SD/HD conversion
- Cropping



SUBTITLING

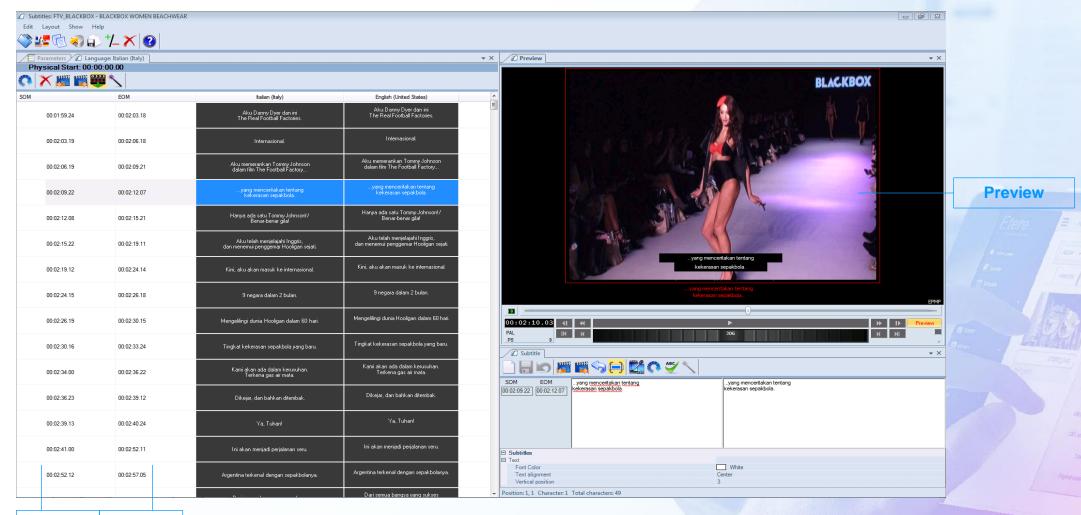
Subtitle Creation



File Based Subtitle

- Using only file based procedures Etere workflow is able to insert subtitling in Video Vanc or VBI
 - Single
 - Multilanguage
- Also subtitles ca be inserted on the video

Multilanguage



SOM EOM



RIGHTS MANAGEMENT

Rights Management

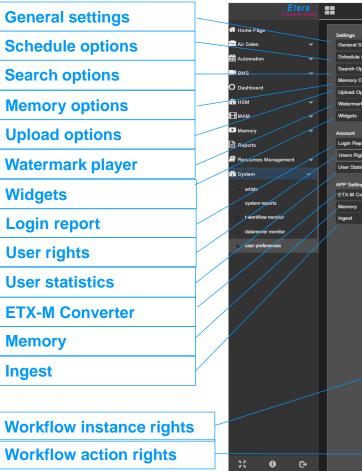
- Etere has a complete rights management system
- Each user can be profiled, and can have different rights according to station and functions
- User can be grouped for an easy management
- Groups and users can be Active/directory integrated

User Rights

TASK to SIS

Validate VOD Me

Web rights



€:● General Settings Users rights Schedule Option: Search Option: Memory Options Upload Options Creative Area Modify asse Creative Area\Creation of new asse Creative Area\Creation of promo schedul Watermark Playe Creative Area\View promo status Dashboard EtereWebWir Sales Creative Area/View accet EtereWeb\Access to station EtereWeb\Cor EtereWeb\Download Fil Ingest List with ten EtereWeb\Ingest List without rack dia library\general data Login Report dia library\general da nedia library\general dat edia library\ge Users Rights edia library\links edia library\general data nedia library\general dat dia library\m edia library\media \media library\media data User Statistic edia library\operation b\media library\stations dia library\tasks edia library\T-Workflow media library\upload link APP Settings EtereWeb\Modify men ETX-M Converte Eterel /eb\Play EtereWeb\Sales proposal change dis eWeb\Sales proposal change extra d ÆtereWeb\Sales proposal change class color / EtereWeb\Sales proposal change percentag EtereWeb\Sales proposal insertion EtereWeb\Sales proposal manual price EtereWeb\SC\Admin Neb\SC\Create EtereWeb\SC\Delete EtereWeb\SC\Modify h\SC\Restart EtereWeb\SC\Save EtereWeb\SC\SaveAndSubmi EtereWeb\SC\View_active EtereWeb\SC\View_failed EtereWeb\SC\View_incomplet / EtereWeb\SC\View_logs EtereWeb\SC\View_pending EtereWeb\Search grid operations / EtereWeb\Series reWeb\Show Extra men EtereWeb EtereWeb\Tape Search EtereWeb\Tapeless EtereWeb\T-Workflow of EtereWeb\View asset EtereWeb\View Web Schedule EtereWeb\XDCAM HSM Nunzio Stories System Web\AIRLIGHT Watermark use on Etereweb Play Web\ASS_GENDATA_VD_EDIT ✓ Web\BMS ✓ Web\RPT Web\COLLECTION # Delete Archiv # Delete ETX1 🗸 # Delete LowRe # Transcode to H264 ✓ 2 AV LIBRARY ACQUISITION V3 ADVANCED QC ON HIRES AFTER WEB TAPELESS AFTER WEB UPLOAD AGENDA ARCHIVE AND QC 🗸 Archive WF BATON QC2 CMS ON ETX1 CMS CONFORM VE CONFORMING MXF - H264 V DELETE ASSET ETX COPY FILE ACQUISITION V3. FILEDELETE ON FOR HSM HSM ARCHIVE HSM ARCHIVE VIDEO FROM ORIGINA HSM restore ICONS REGENERATION LIBRARY QC BATON PROCESS MEDIAINFO ON CM MEDIAINFO ON Proxy Mediainfor for memory V NEWS STORY APPROVA NOT TO BROADCAST Package and Export VOD On Package HLS xVOD Package HLS xVOD FMP4 PARTIAL RETRIEVE RECORDING TASK REVIEW FILES SC CONFORMING MXF - H264 SC PARTIAL RETRIVE V SC START

TASK TO SUPP

XCODE- H264

TASK TO SUPPORTO
 XCODE HIRES MPEG

201 - A11 - A11 - A11



OTT INTEGRATION

A Connected System

• In the OTT-TV arena a Etere can manage a cross-device proposition aimed at getting benefit from its exclusive capability to offer a seamless experience in any place at any time, on any device



OTT Challenges

- You need create a selling contract to deliver the media.
- The contract will contain of multiple assets.
- In the main part of the contract you insert the metadata to be send to the provider as part of the contract
- Then insert the list of the assets to send.
- After contract you can print the invoice and the contract details to be sent

OTT Challenges 2

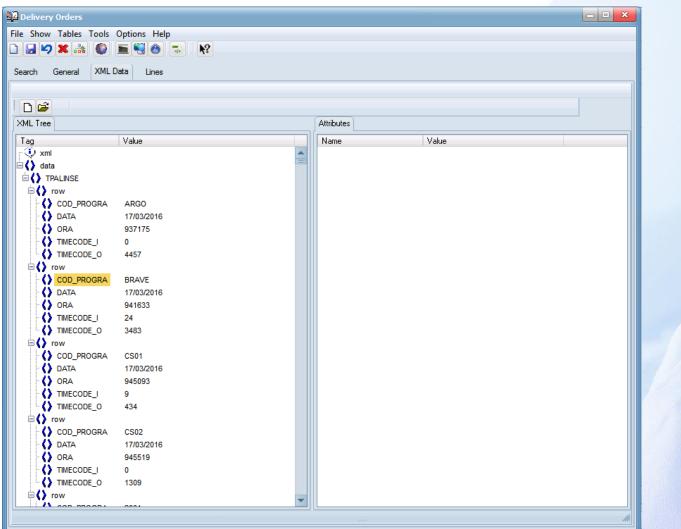
- You need a copy of your content to be used for OTT purposes.
- You need a different file format
- You need to trim away the black you use to insert advertising
- You need to convert subtitle info
- You need to add a trailer frame
- You need to create an XML file of metadata.
- Then you need to deliver via
 - Hard drive
 - Ftp
 - UDP

OTT Contracts

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01/04/2014	30/04/201		6	VOD DEAL ORANGE APRIL	VOD AMERICA
01/04/2014	30/04/201	4	7	VOD DEAL CANALSAT APRIL	VOD EUROPE

Autor

Contract Custom Data



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Assets to Be Sent

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CSI MIAMI - No.000	12	Unitd	Unitd	01/04/2014	30/04/2014	۹.	CSI MIAMI	6	=
CSI MIAMI - No.000)3	Unitd	Unitd	01/04/2014	30/04/2014	Ð.	CSI MIAMI	6	
CSI MIAMI - No.000		Unitd	Unitd	01/04/2014	30/04/2014	۹.	CSI MIAMI	6	
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		License end		2014 💌		xclusive ▼	/_/ Premiere	No	

Scheduling/Rights Details

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SI MIAMI - No.0		Unitd	Unitd	01/04/2014			CSI MIAMI			1	Unitd	Unitd
SI MIAMI - No.0		Unitd	Unitd	01/04/2014			CSI MIAMI			1	Unitd	Unitd
SI MIAMI - No.0		Unitd	Unitd	01/04/2014	30/04/2014		CSI MIAMI	6		1	Unitd	Unitd
SI MIAMI - No.0	005	Unitd	Unitd	01/04/2014	30/04/2014	۰	CSI MIAMI	. 6		1	Unitd	Unitd
SI MIAMI - No.0	006	Unitd	Unitd	01/04/2014	30/04/2014	۰	CSI MIAMI	6		1	Unitd	Unitd
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SI MIAMI - No.0	008	Unitd	Unitd	01/04/2014	30/04/2014	۰	CSI MIAMI	. 6		1	Unitd	Unitd
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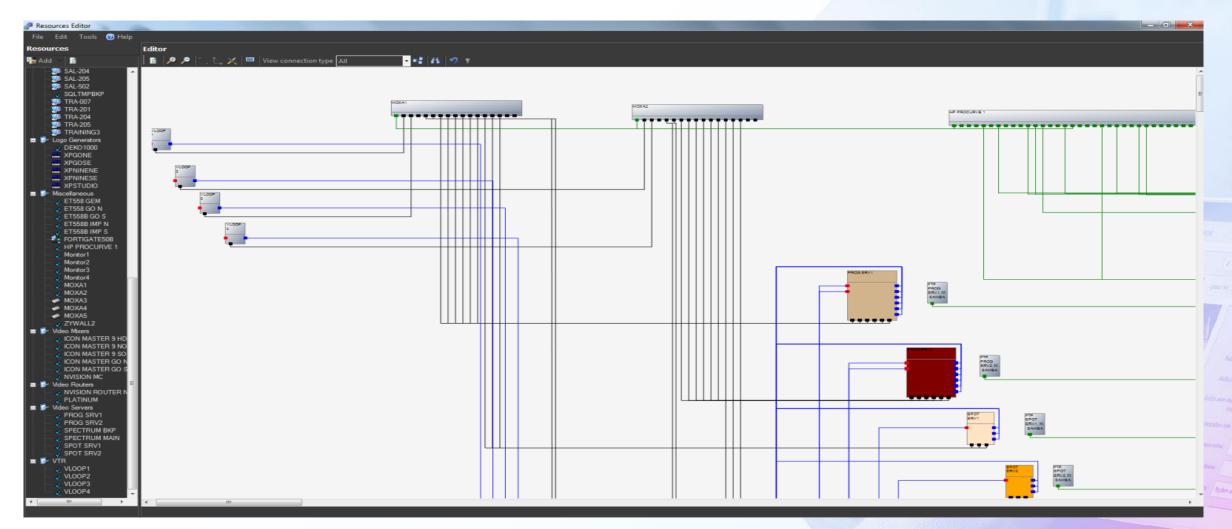


SNMP Console

Graphic Tool

- The SNMP console in Etere has been completely re-designed
- The console is also the Etere graphic configuration tool
- Creating a simple graphic you can describe how the system is connected, and how many objects you have
- Etere console allows to insert Etere devices but also non Etere ones, as network switches, routers, firewalls
- Different connections (SDI, Ethernet, GPI, rs422) have different colours

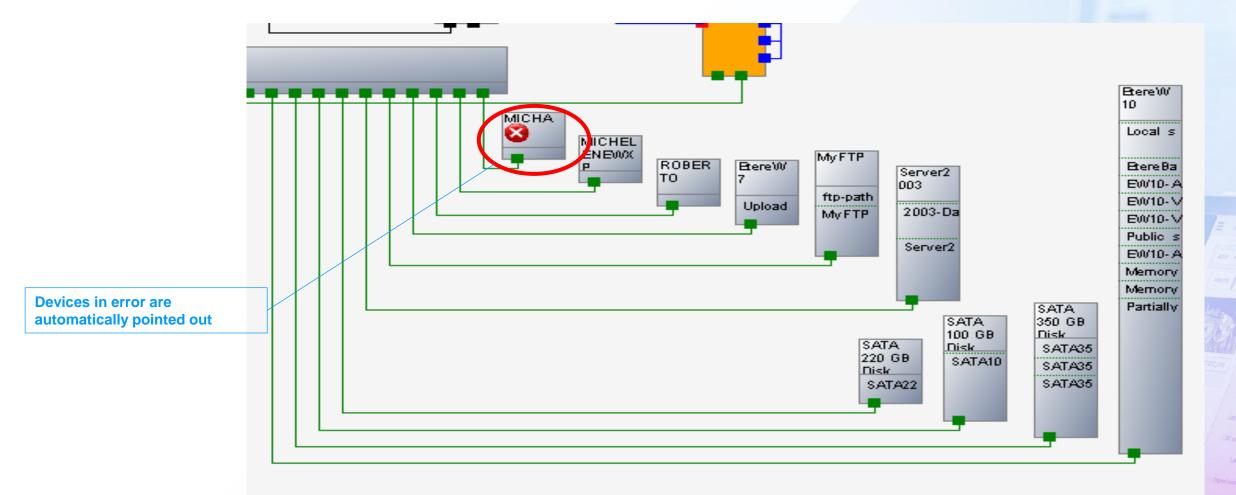
Graphic Design



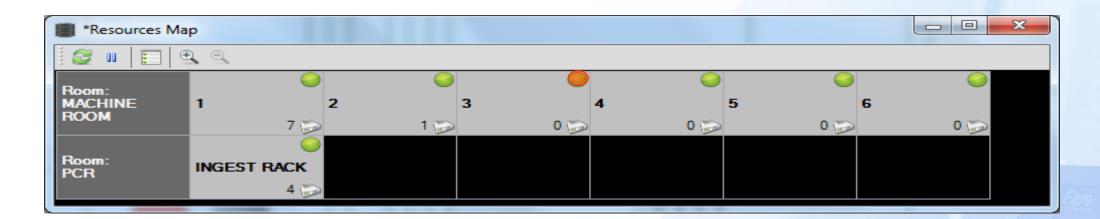
Central Information Repository

- The SNMP console is able to store for every device
 - The configuration details (IP, drives, add on boards)
 - The SNMP error log
 - Your operation log (as VTR heads changed)
 - All service manuals using the integrated document management
 - The position in the Racks

Easy Location of Devices in Error



Room View



- This room view allows you to see all the station in one single view
- An error in a room and rack is displayed as red light

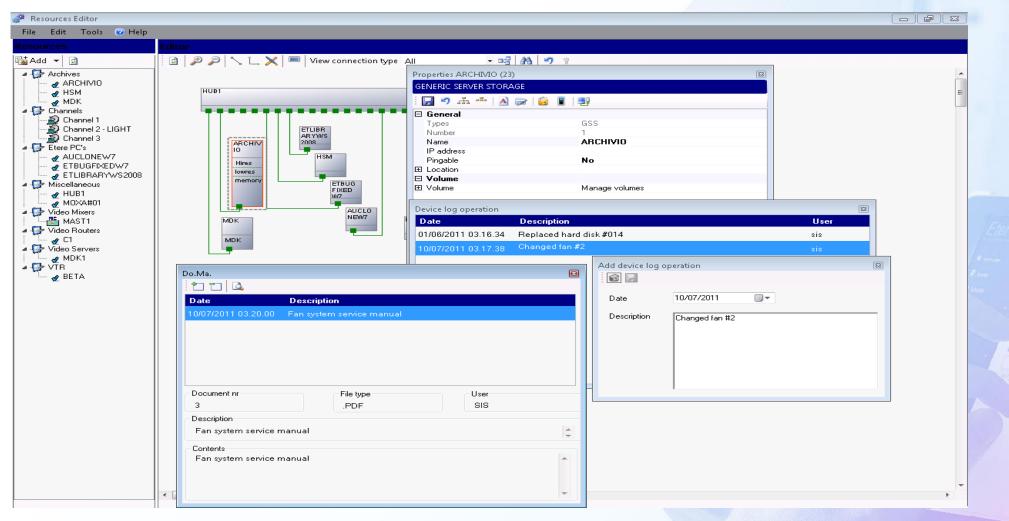
Rack Details

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6	MTX LOGO		6		6		6		6			6
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4	MASTER CONTROL		4		4	HSM2	4		4			4
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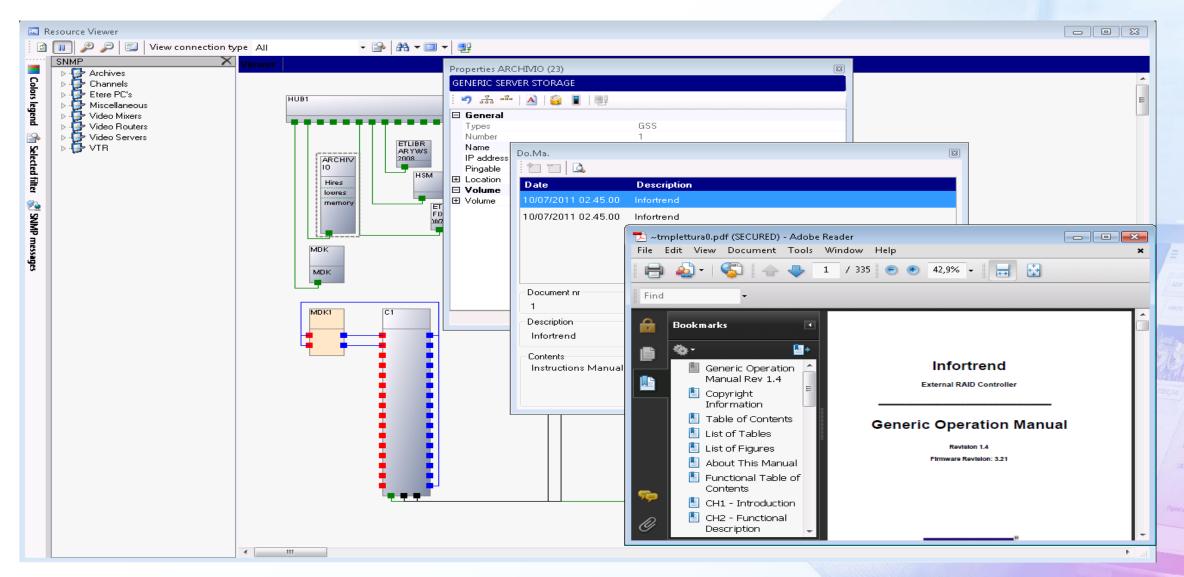
SNMP Error History

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ata 💿 Not a	rchived					Waiting	20/06/2012 11:5		
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Service Log



Service Manuals



Space Monitor

Space monitor			
Device name	Total	Available	Free space
мтх	465.66 Gb	300.01 Gb	64%
MDK2	7.38 Gb	6.87 Gb	93%
MDK3	465.66 Gb	300.01 Gb	64%

- The space monitor control cloud and video server
- If a space threshold is reached selected workflows are launched until space go below limit
- Thresholds and workflows configurable

Global Workflow Status

e -					_										
	Apply f	ilter Refres	h Ø got	o datamover monitor											
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		Asset	<u>8822</u>	<u>8822</u>	MNE	ADVANCED QC ON HIRES			complete	0	file not found		O	16/07/2020 17:17	16/07/20
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		Asset	9085	<u>8918</u>	Absence of US tourists hammers Italy's Ama.	NEWS STORY APPROVAL	WS Journalist o	reate Story	active		Updated asset 9085 to Not to be broa	adcasted		13/07/2020 16:07	13/07/20
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Updated

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