# What's new in MediaConch (and MediaInfo)

Implementation and policy checker



Jérôme Martinez, MediaArea

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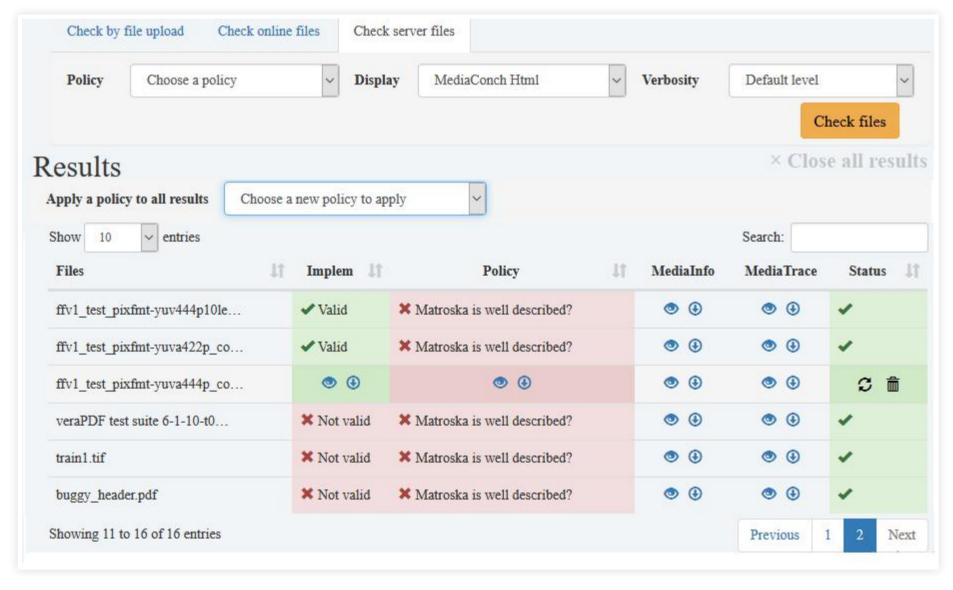






#### What is MediaConch?

#### Implementation and policy checker, reporter







### The past

- Started in 2015 with European Union funding.
- Initial focus was on open source formats (MKV/FFV1/PCM).
- Other companies selected for PDF and TIFF.
- Also the start of IETF Working Group for MKV/FFV1/FLAC standardization.
- Also the start of NTTW.





# MediaConch latest developments (2023)

- Different levels of logging (error/warning/info)
- Fully online version (no file upload) for embeding in your website
- Better support of several audio tracks ("all" or "any" policy rules)
- xHE-AAC/USAC full implementation checker
- Superfast option: parsing only the header





### MediaInfo latest developments (2023)

Focus on MPEG-7 output:

- Support of collections (for DVD Video)
- 3 modes (strict, relaxed\*, extended\*)
- More sub-termIDs (AudioPresentationCS)
- More PublicIdentifiers
- More sub-termIDs (MP4, WAV, AVC, ProRes)

Sponsored by Bibliothèque Nationale de France (French national library)

<sup>\*</sup> Not always standard...





### MediaInfo latest developments (2023)

#### Others:

- ISO 9660 native support (focused on DVD Video)
- More HDR formats (SMPTE ST 2094-10, HDR Vivid, ...)
- Time code in MKV, AVC & HEVC
- Extract of all time codes from a file, XML format (currrently only for for MXF)
- APT-X100 a.k.a. Cinema DTS
- N19/STL & WebVTT: more details (start/end timestamp, max count of lines, total count of lines, ...)
- S-ADM in MGA in MXF, AAC in MXF





## Not only about software (2023)

Dedicated webpage for MediaInfo field names Mapping to MPEG-7/PBCore/EBUCore and comparison of theses output formats Sponsored by Bibliothèque Nationale de France

MediaInfo	Description	MPEG-7	EBUCore 1.8	PBCore 2.0
General				
		Video		
StreamOrder	Stream order in the file for type of stream. Counting starts at 0			V.
ID	The identification number for this stream in this file		videoTrack@trackId	essenceTrackIdentifier
OriginalSourceMedium_ID	Identification for this stream in the original medium of the material			
UniqueID	The unique ID for this stream, should be copied with stream copy			
MenuID	The menu ID for this stream in this file			
Format	Format used	Format	videoFormat@videoFormatName, videoEncoding@typeLabel	essenceTrackEncoding
Format_Commercial_lfAny	Commercial name used by vendor for these settings, if available			
Format_Version	Version for the identified format	Format	videoFormat@@videoFormatVersionId, videoEncoding@typeLabel	essenceTrackEncoding@version
Format_Profile	Profile of the Format	Format	videoEncoding@typeLabel	
Format Level	Level of the Format	Format	videoEncoding@typeLabel	7





## Current developments (2024)

- Comparison operations between properties across tracks
- ADM full implementation checker
- MXF partial implementation & policy checker focused on issues from broadcasters
- Check of MXF & MKV time code discontinuities
- SMPTE ST 436 VBI parsing for catching VITC & Line 21
- More options for probing caption presence in MXF
- Report of MediaConch errors also in MediaInfo







- It depends on you.
- What are your needs?





#### Stay in touch

MediaArea: https://mediaarea.net, @MediaArea\_net

MediaConch: https://mediaarea.net/MediaConch, @MediaConch

Jérôme Martinez: jerome@mediaarea.net

Sponsoring program: https://mediaarea.net/SupportUs

Slides: https://mediaarea.net/Events

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