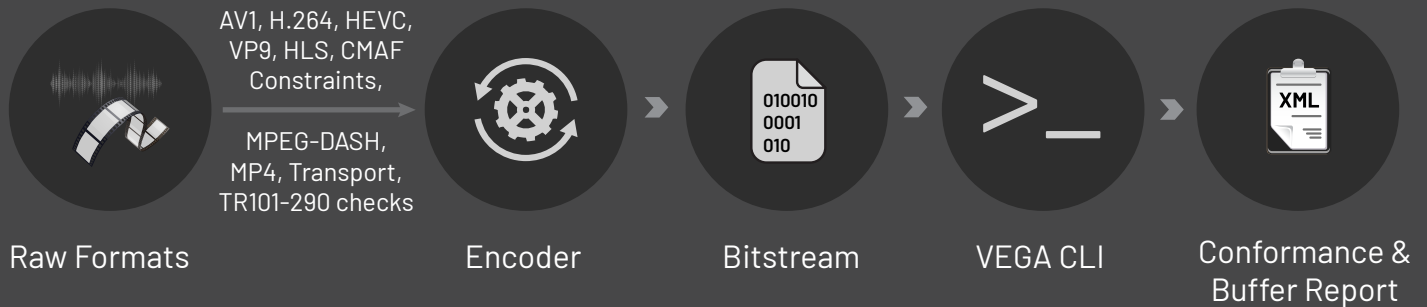


VEGA CLI

In-depth Command-line Analysis of Media Streams

Interra Systems' VEGA Command Line Interface (CLI) offers in-depth analysis and debugging of media streams on Linux platform. VEGA CLI assures standard compliance and interoperability with navigation down to the deepest levels of an encoded stream. This docker based application is useful to run the VEGA CLI application in a virtual environment. VEGA CLI performs batch analysis of media streams resulting in high-quality media delivery. With its fast and accurate debugging, user can get comprehensive reports in minutes.



Benefits

- Comprehensive analysis of multiple streams in one go
- Cloud-enabled technology that helps running VEGA CLI on a virtual environment
- Conformance violations to enable accurate examination of media standards
- Detailed reporting of the analysis

Key Features

- Supports main and buffer analysis of media streams
- Performs batch analysis
- Supports ABR analysis
 - Segment boundary alignment checks
 - Video Frame structure alignment checks
 - Manifest Mismatch checks
 - Video duration mismatch checks
 - Overflow/Underflow checks for segment bitrate
 - Video quality checks
- Provides XML report for all the parsing and decoding based conformance checks
 - Conformance checks for SPS, PPS, VPS, SEI
 - Conformance checks for Slice Header and Slice Data parsing
 - Conformance checks for the decoding process
 - Profile and Level based conformance checks

Supported Formats

Elementary Video Streams

HEVC, H264, AV1, VP9

Container Formats

MP4, Quick Time, Transport, TR101-290 checks

Container Formats

MP4, Quick Time

ABR Streams

MPEG-DASH, HLS, CMAF constraints,

For Buffer Analysis

HEVC, H264, AV1 video streams

The image displays two XML report snippets. The 'Conformance Report' (left) details stream information for a HEVC file, including path, name, format, size, and various technical parameters like level, width, height, and frame rate. It also lists buffer violations, such as a BVD (Buffer Violation) with error number 205, indicating a severity error. The 'Buffer Analyzer Report' (right) provides a summary of violations, including total errors, warnings, and info messages, along with stream path and name details.

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