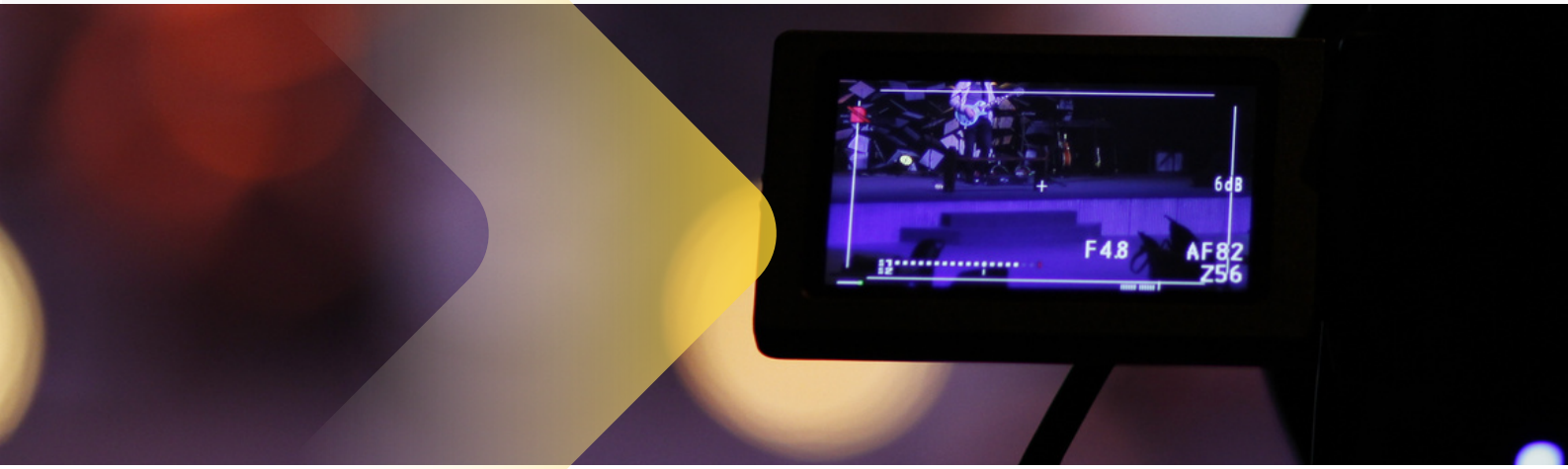
COBALT
TRANSCODER



Workflowlabs Cobalt transcoder is a Linux-based scalable multiformat broadcast-grade transcoder. Cobalt is designed to scale from a single-node architecture for faster than real-time transcoding to a multi-node deployment for demanding workloads.

Cobalt can be integrated into a variety of media workflows as it supports multiple hot folders for input and output, enabling multi-platform distribution. Cobalt supports all major broadcast formats and codecs and is a proven solution for a variety of workloads.

Automated workflows
Rules creation engine for automated workflows

Scalable
Multi-node cluster for parallel processing for large workloads

GPU Acceleration
Faster transcoding with GPU based encoding

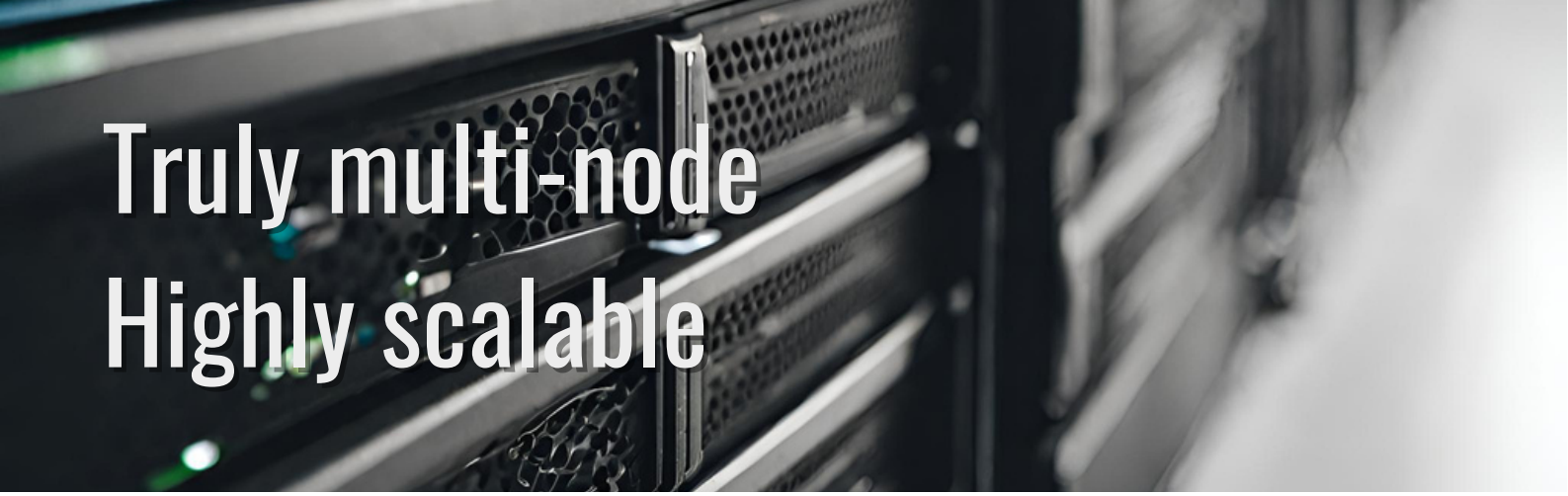
Broadcast Quality
High quality encoding guaranteed

- Web-based rule assignment engine with regex support for excluding and including file types for transcoding
- Realtime job progress tracking with detailed status reports
- Up and down conversions are automatically handled
- Optional REST API for third-party integrations to submit encoding jobs
- Runs on generic COTS servers
- Support for 4K decoding and encoding
- Automated logo, and image overlay during transcoding

Advanced workflow support with Workflowlabs Fusion Asset management system

- Supports Fusion cut rendering enabling remote editing on-prem as well as on the cloud
- Partial retrieval from offline media
- Publishing on social media in various formats

FUSION



Truly multi-node Highly scalable

Cobalt Video Transcoder is a versatile solution for converting video content into different formats and resolutions. Whether you need to process a large amount of high-quality videos or a small number of low-quality ones, Cobalt has a version that fits your needs. Cobalt runs on standard servers without requiring any special hardware, making it easy to deploy and scale.

Cobalt X1

Upto real-time transcoding speeds

Upto 2 transcoding workflow support

Auto up and down conversion with multiple scaling options

Real-time reports and alerts

~~Multi-node clustering support~~

~~API Support~~

~~GPU acceleration~~

~~4K encoding support~~

Cobalt X2

Upto 2X real-time transcoding speeds

Unlimited transcoding workflow support

Auto up and down conversion with multiple scaling options

Real-time reports and alerts

Multi-node clustering support

API Support

GPU acceleration

~~4K encoding support~~

Cobalt X3

Upto 3X real-time transcoding speed

Unlimited transcoding workflow support

Auto up and down conversion with multiple scaling options

Real-time reports and alerts

Multi-node clustering support

API Support

GPU acceleration

4K encoding support [Encoding speeds vary for 4K encoding]

Supported Video Codecs

MPEG-1/2, H.265, H.264, XAVC, XDCAM HD , DV, DVCPRO

Supported formats

AVI, MKV, MOV, MP4 and MXF

Supported Audio Codecs

AAC, AIFF, Dolby Digital, MPEG Audio Layer-3, MPEG Audio Stream, Ogg Vorbis Files, Wave and Windows Media Audio

Minimum server specifications

Intel Xeon 8C/12T
16GB DDR4 RAM
100GB SSD HDD
Linux Ubuntu 20.04 OS
1Gbps Network adapter

Workflowlabs

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