

COBALTTM
Transcoder

 Workflowlabs

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Please contact us for the source code of the 3rd party open source libraries used in WORKFLOWLABS.

CONTACT INFORMATION

If you have any questions about this EULA, or if you want to contact WORKFLOWLABS for any reason, please send email directly to: contactus@workflowlabs.com

1. Introduction

Workflowlabs Cobalt Transcoder is a simple to use light weight transcoding experience in demanding broadcasting workflows. Cobalt caters to varied transcoding workloads. Cobalt Solo a single node transcoder fits entry level transcoding workload whereas the scalable Cobalt Cluster caters to enterprise heavy workloads.

2.1 Supported Browser

Chrome Browser Version	83 and above
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2.2 Supported Screen Resolution

Best user experience of Cobalt Transcoder can be found on screens with a resolution of 1280 X 720 or higher.

2.3 Supported Fonts

Cobalt Transcoder supports all Unicode fonts

2.4 Supported Specifications

- Intel Xeon 3 Ghz or Higher
- 16GB RAM
- 100GB SSD HDD
- Windows Server 2016

2. Transcoder workflow setup

To create transcoder workflow, one need to have three pre-requisites like source folder, profiles (Transcoder type and preset family) and deployment folder. User can drag and drop source, profile and deployment folder and save the workflow giving a name of choice. This document details step-by-step workflow set up.

2.1 Add Source Bin

A bin is a shared directory accessible to other users based on the privileges. User can create, edit and delete bins based on requirement.

1. Bins are customizable and can be added as required from **workflow>source**
2. Click '+' icon
3. Add Bin Credentials like Bin Name, Bin Id, protocol type [FILE, SMB, NFS, FTP, CLOUD], Bin Type, Platform, Path
4. click **enable bin** and **enable polling** to enable advanced settings to a bin
5. Click 'Add' to save bin details

Add Source Bin

Bin Name*

Protocol*

Platform*

Enable Bin

Enable Polling

Interval

md5checksum

Regular Expressions :
 Include List

Enabel QC

Bin ID*

Bin Type*

path*

(ex: D:\path\to\dir)

Polled By
 Date All

File Growing detection logic :
 Filesize

Exclude List Regexp

Add
Clear
Cancel

2.2 Add Profile

Profiles are the preset types used while transcoding. User can create a profile and define the preset family for the profile. User can edit and delete the profiles on requirement.

1. Profiles are customizable and can be added as required from **workflow>Profiles**
2. Click '+' icon

3. Add profile details like Transcoder Name, Profile Name, Preset Family, Preset, Priority
4. click **enable profile** to enable
5. Add advanced settings
6. Click '**Add**' to save bin details

Create Profile

Transcoder Name*
TranscodeMC

Profile Name*
MPEG FORMAT

Preset Family*
MPEG

Preset*
MPEG2_422

Muxer
mpegpsmux

Priority
Medium

Enable Profile

Video Audio Effects Advanced

Video Codec
Width
Enter Width

Height
Enter Height

Frame Rate
Enter Frame Rate

Tv Standard
PAL NTSC

Flip

Add Clear Cancel

2.3 Add Deployment Bin

Deployment bins can be added just like as explained in the source bin type.

1. Deployment Bins are customizable and can be added as required from **workflow>Deployment**
2. Click '+' icon

3. Add Bin Credentials like Bin Name, Bin Id, protocol type [FILE, SMB, NFS, FTP, CLOUD], Bin Type, Platform, Path
4. click **enable bin** other advanced settings as per requirement
5. Click 'Add' to save bin details

Edit Deployment Bin

Bin Name*	Bin ID*
<input type="text" value="Deployment_bin"/>	<input type="text" value="Deployment_bin"/>
Protocol*	Bin Type*
<input type="text" value="File"/>	<input type="text" value="Deployment"/>
Platform*	path*
<input type="text" value="Windows"/>	<input type="text" value="C:\Deployment_bin"/>

- Enable Bin
- Increment File
- Keep Source Structure
- Move Completed Files
- Create Datewise

2.4 Create workflow

User can create workflow by drag and drop of asset bin, profile and deployment bin to the workflow and save with name.

TRANSCODER | Dashboard | Jobs | Workflow

Workflow	Source	Profiles	Deployment
cc_AUGAM_SU_workflow	cc_AUGAM_SU	cc_AUGAM_SU	cc_dep_AUGAM_SU
cc_h264main_workflow	CC_H264_main	CC_H264_main	CC_dep_h264_main
cc_h264High_workflow	CC_H264_high	CC_H264_high	CC_dep_h264_high
cc_DVCPRO_rwtMOV_work flow	CC_DVCPRO_rwtMOV	CC_DVCPRO_rwtMOV	CC_dep_DVCPRO_rwtMOV
h264high34_rtmov_workflo w_rtmov	h264high_bin_rtmov	h264high34_rtmov	testdep_h264high_rtmov
MPEG-WORKFLOW	Asset_bin	MPEG FORMAT	Deployment_bin

MPEG-WORKFLOW

Source
 Asset_bin

Profile
 MPEG FORMAT

Deployment
 Deployment_bin

Workflow Details

Name	MPEG-WORKFLOW
Source Bin	Asset_bin
Profile Name	MPEG FORMAT
Destination Bin	Deployment_bin