

Signiant Managers + Agents Component for Capella Cambria FTC

Documentation

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Index

<u>1</u>	<u>Introduction</u>	<u>3</u>
<u>2</u>	<u>Functional Description</u>	<u>3</u>
<u>3</u>	<u>Error Handling</u>	<u>3</u>
<u>4</u>	<u>External Communication</u>	<u>3</u>
<u>5</u>	<u>External Setup</u>	<u>3</u>
<u>6</u>	<u>Agent Platforms</u>	<u>3</u>
<u>7</u>	<u>Restrictions</u>	<u>3</u>
<u>8</u>	<u>Inputs</u>	<u>4</u>
<u>9</u>	<u>Outputs</u>	<u>5</u>
<u>10</u>	<u>Logging</u>	<u>5</u>

Versioning

Date	Version	Chapter	Name	Changes
12.03.18	0.9		mweber	Version 0.9
20.03.18	1.0		mweber	Version 1.0

1 Introduction

This component is designed to allow workflow creators to send transcoding jobs to Capella Cambria.

2 Functional Description

The component takes a list of files and a Cambria Job profile in xml format. One job is generated for each file based on the xml. The job profile can be either a file on the filesystem or a string that contains the job xml. Both *.cen and *.cep inputs are supported.

In the case of *.cep, every job profile is applied to every file in the filelist. For example, if there are 3 profiles in the *.cep file and 5 files are provided in the filelist, 15 output files will be generated.

There are additional options/inputs available. These are described below.

3 Error Handling

Any communication errors with the Capella host will result in the component exiting in an error.

The component user can define whether they want the component to exit with or without an error in the case of failed transcodes.

4 External Communication

The component communicates with Cambria's REST API via the port specified (details about the API and its port usage can be found in the Cambria REST API documentation)

5 External Setup

Cambria needs to be installed and set up correctly. Please refer to Cambria documentation for details. The Cambria REST API service has to be available to the Signiant Agent on which the Cambria component is executed.

6 Agent Platforms

All Signiant supported Agent platforms may be used for this component, as long as the Agent is able to connect to the Cambria REST API.

7 Restrictions

The job profile xml that functions as the input to the component must not contain any information about source files, as the source file definition for the job profile xml are defined/created by the component.

At the moment it seems not possible to retrieve a list of output files, if a transcoding profile contains multiple output files. For this reason, profiles that contain multiple output files are not supported as of this moment.

For example, Adaptive Streaming would be such a preset. If you wanted to use Adaptive Streaming, you would have to create a project (*.cep) file that has the different transcoding profiles in them separately. As of 0.9 this is still WIP and we are in contact with Cambria to figure out a solution for this.

8 Inputs

The following table explains the use of all input parameters that are not part of the basic Signiant “Command” component.

Name	Required	Default Value	Description
Filelist	Yes	-	The list of files to be transcoded. Can be either SigListXML format or a comma-separated list
Output Directory	Yes	-	The target directory in which the files are to be transcoded into
Mode	Yes	-	Specify whether you want to use a file or a text-based input for the job profile (*.cen or *.cep)
Xml File Or String	Yes	-	The path to the file (mode=file) or the text xml (mode = string)
Fail Component On Transcoding Error	Yes	no	Specifies whether the component is supposed to fail if one or more transcoding jobs failed
Check If Files Exist Beforehand	Yes	No	Allows you to fail the component if the files do not exist, before sending the job create request to Cambria
Host Address	Yes	-	Host address of Cambria Manager (e.g.: http://192.168.10.11)
Host Port	Yes	-	The port which must be used to reach Cambria API (e.g. 8647)
Priority	Yes	5	Job priority
Max Retries	Yes	1	Max retries by Cambria to transcode the job
Submitter	Recommended	Signiant	Informal input. Specifies the submitter of the job
Description	Recommended	sent by Signiant Workflow	Informal input. Specifies the description of a job
Add Opener To Input Files	Yes	No	Allows you to specify whether you want to add an opener to all files in the filelist (stitch)
Opener File	No	-	Path to the opener file
Add Closer To input Files	Yes	No	Allows you to specify whether you want to add a closer to all files in the filelist (stitch)
Closer File	No	-	Path to closer file
Stitch files	Yes	No	Allows you to create a single “stitched” file based on all the files in the filelist. The files will be stitched in the same order as the order of elements in the filelist. This can also be combined with the opener/closer functionality
Filename For Stitched File	No	-	Specify the name for the target file if stitch mode is activated

9 Outputs

Name	Description
Return Code	Set to zero if the component completes successfully. Set to non-zero if any errors occurred.
Return Message	A short message indicating the overall result of the component.
Filelist Success	A list of *.aaf files that were ingested successfully. The list is in <i>SiglistXML</i> format.
Filelist Failed	A list of *.aaf files that were not ingested correctly. The list is in <i>SiglistXML</i> format.

10 Logging

Some information and all errors are printed into the log file. Additional debug information becomes available if the workflow log level is set to “debug”