

# Harmonic (Rhozet) WFS API 1.4

## Signiant Component

### Pro Version 1.3

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## What it is

This product is an Agent Component for Signiant's Workflow Engine that integrates seamlessly. It allows to drive transcoding jobs on Harmonic's WFS transcoding farm Controller.

In difference to the Standard Version, this Component is designed to submit simple as well as complex tasks to Harmonic's ProMedia WFS.

Simple Rhozet Task:

- One Input File – One Output File with the same duration as input
- Output can only be manipulated using Rhozet Video or Audio Filters and exporter settings

Complex Rhozet Task:

- Multiple Input Files – One Output File
- Multiple Complex Input Files (Audio and Video from different Files)

This said it's a massive functional extension to the legacy „CarbonCoder“ Component from Signiant.

## What to use it for

This product allows to integrate a Harmonic ProMedia WFS transcoding farm into Signiant's Workflow Engine. Thereby Signiant workflows can make use of Harmonic's ProMedia file based processing services such as transcoding via best in breed Carbon Coder and high speed Xpress as well as OTT Packaging and Encryption.

The Pro Version is made for more complex transcoding needs. It allows to send source asset packages (collections of source files) to Harmonic's ProMedia WFS. A classical example are one video file + 6 audio files for 5.1 encoding. Another example are subtitle files to be used for imprinting or muxing.

The Pro Version also allows to send cut lists along with the source files.

And finally high availability by controlling a pair of Harmonic's WFS transcoding farm Controllers is a feature that is part of the Pro Version.

## How it works

This Component builds a so called “complex source” from the source asset package and starts jobs on Harmonic’s WFS by calling its API. Alternatively a list of files to be processed can be used and send as “simple source” generating individual jobs to Harmonic’s WFS. In any case the list of resulting files and error messages are reported back to Signiant’s Workflow Engine.

## Specifications

This Component takes

- a list of source files in comma separated or Signiant’s SiglistXML format
- a job priority
- an output folder

This Component sends to WFS either a

- Watchfolder GUID
- Workflow GUID
- Workflow XML
- Carbon Project File
- Carbon Project XML

It returns

- a Return Code
- a Return Message
- a list of successfully produced files
- a list of succeed to process source files
- a list of failed to process source files.

Special features of the Pro Version:

- WFS HA Support
- WFS Complex Sources (A/V combination etc..)
- Cutting and/or joining multiple Source Files