To retrieve certain KPIS based on the dimensions and metrics requested we need to add a new source calling the class YouTubeReport with two channels (one for the correct requests and one if we got an error) and also two sinks also the same one for the correct request and one for the erroneous responses. Also we need to add the selector and the configurations of the requested KPIs.

**Sample edition:**

**Added Source:**

## YouTube Report 2 Source

YouTubeAgent.sources.YouTubeReport2.type = com.wicom.flumeSources.YouTubeReport

YouTubeAgent.sources.YouTubeReport2.channels = YouTubeChannel2 YouTubeErrorChannel2

YouTubeAgent.sources.YouTubeReport2.consumerKey = 1039203189237-9qmda3cbbtsidp7p30seic6447bkhqrp.apps.googleusercontent.com

YouTubeAgent.sources.YouTubeReport2.consumerSecret = 0Knwste1ExP7A3rL5hTI-EVD

**Added Channels:**

## YouTube Report 2 Channel

YouTubeAgent.channels.YouTubeChannel2.type = memory

YouTubeAgent.channels.YouTubeChannel2.capacity = 10000

YouTubeAgent.channels.YouTubeChannel2.transactionCapacity = 1000

## YouTube Report 2 ERROR Channel

YouTubeAgent.channels.YouTubeErrorChannel2.type = memory

YouTubeAgent.channels.YouTubeErrorChannel2.capacity = 10000

YouTubeAgent.channels.YouTubeErrorChannel2.transactionCapacity = 1000

**Added Sink:**

##Youtube Report 2 Sink

YouTubeAgent.sinks.YouTubeSink2.channel = YouTubeChannel2

YouTubeAgent.sinks.YouTubeSink2.type = hdfs

YouTubeAgent.sinks.YouTubeSink2.hdfs.path = /user/sm\_user/Social\_Media/Youtube/YouTubeReport2/%Y-%m-%d

YouTubeAgent.sinks.YouTubeSink2.hdfs.useLocalTimeStamp=true

YouTubeAgent.sinks.YouTubeSink2.hdfs.fileType = DataStream

YouTubeAgent.sinks.YouTubeSink2.hdfs.writeFormat = Text

YouTubeAgent.sinks.YouTubeSink2.hdfs.filePrefix = YouTube2

YouTubeAgent.sinks.YouTubeSink2.hdfs.batchSize = 1

YouTubeAgent.sinks.YouTubeSink2.hdfs.rollSize = 0

YouTubeAgent.sinks.YouTubeSink2.hdfs.rollCount = 1

YouTubeAgent.sinks.YouTubeSink2.hdfs.callTimeout = 30000

##Youtube Report Error 2 Sink

YouTubeAgent.sinks.YouTubeErrSink2.channel = YouTubeErrorChannel2

YouTubeAgent.sinks.YouTubeErrSink2.type = hdfs

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.path = /user/sm\_user/Social\_Media/Youtube/YouTubeReport2/Error/%Y-%m-%d

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.useLocalTimeStamp=true

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.fileType = DataStream

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.writeFormat = Text

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.filePrefix = YouTubeError2

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.batchSize = 1

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.rollSize = 0

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.rollCount = 1

YouTubeAgent.sinks.YouTubeErrSink2.hdfs.callTimeout = 30000

**Selector:**

## YouTube Report 2 Multiplexer

YouTubeAgent.sources.YouTubeReport2.selector.type = multiplexing

YouTubeAgent.sources.YouTubeReport2.selector.header = msgType

YouTubeAgent.sources.YouTubeReport2.selector.mapping.ERROR = YouTubeErrorChannel2

YouTubeAgent.sources.YouTubeReport2.selector.mapping.YouTube2 = YouTubeChannel2 //here instead of YouTube2 u have whatever u set as header in the configurations

YouTubeAgent.sources.YouTubeReport2.selector.default = YouTubeErrorChannel2

**Configurations:**

## YouTubeReport2 Configurations

YouTubeAgent.sources.YouTubeReport2.PollInterval = 14400

# the metrics retrieved

YouTubeAgent.sources.YouTubeReport2.metrics = views,comments,favoritesAdded,favoritesRemoved,likes,dislikes,shares,estimatedMinutesWatched,averageViewDuration,averageViewPercentage,annotationClickThroughRate,annotationCloseRate,annotationImpressions,annotationClickableImpressions,annotationClosableImpressions,annotationClicks,annotationCloses,subscribersGained,subscribersLost,uniques

# start and end dates of the reports format YYYY-MM-DD

YouTubeAgent.sources.YouTubeReport2.startDate =2014-11-01

YouTubeAgent.sources.YouTubeReport2.endDate =2014-12-25

#sorted based on which metric options

YouTubeAgent.sources.YouTubeReport2.sort =day

#dimension of the report

YouTubeAgent.sources.YouTubeReport2.dimension =day

YouTubeAgent.sources.YouTubeReport2.header =YouTube2

**For more info:**

<https://developers.google.com/youtube/analytics/v1/channel_reports>

Check the excel “Analytics KPIS” for all the metrics and dimensions that can be used