**NAME**

CloudTranscode – generate *Topology* for video transcoding using *Storm*

**SYNOPSIS**

void CloudTranscoding.CloudTranscoder.CloudTranscode ();

**DESCRIPTION**

Submit *Topology* to the *Storm*. *CloudTranscoder* class sets *Spout* and *Bolt* to link between *Topology* and *RequestReader*/*Transcoder*. Start the video-transcoding on the *Storm* cloud system.

**RETURN VALUES**

Upon successful completion, CloudTranscode starts video-transcoding on the cloud system. Otherwise, exception is printed for the failure.

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**NAME**

nextTuple – send the data to the next workflow

**SYNOPSIS**

void CloudTranscoding.RequestReader.nextTuple ();

**DESCRIPTION**

*RequestReader* class determines the resolution and name of video for the following workflow.

Send the resolution and name of video to the next workflow.

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**NAME**

execute – transcode the video from the *Spout*

**SYNOPSIS**

void CloudTranscoding.Transcoder.execute (Tuple input);

**DESCRIPTION**

Encode the videos into the requested resolution format.

*Transcoder* class receives the data via the tuple.

Itrequires *FFmpeg* for successful execution.

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