Reuters AI Suite via the Reuters API

Contents

Reuters AI Suite - Video Enrichment via the Reuters API

At Reuters, we are committed to enhancing our customer experience by developing video enrichment features that offers a comprehensive and diverse range of AI capabilities. This video enrichment via the Reuters API is designed to elevate customer video experience through advanced features such as:

- Transcription
- Translation
- Scene detection
- Facial recognition

The process consists of uploading each video/audio that would like to get our enrichment features via the Reuters API.

To perform this process, uploading using a pre-signed URL and via the videoEnrichment mutation is required.

Prerequisites

- Pre-signed URLs are only allowed.
- Video files must be in mp4 format (lowercase).
- Autio files must be in wav or mp3 format (lowercase).

videoEnrichment Mutation

the videoEnrichment mutation and the createJob parameter should be used as mentioned above to upload the video to the Reuters API using a pre-signed URL.

PARAMETERS			DEFINITION
videoEnrichment			
	createJob		To upload the file item
		sourceUrl	Pre-signed URL
		jobName	Provide a name to the file
	audioInsights		
		transcription	True | false True: Provides transcription of the uploaded video False: Do not provide a transcription of the uploaded file **If this value = false, then translation and translationLangs will not be provided.**
		translation	True | false True: Provides translation of the uploaded file. False: Do not provide a translation of the uploaded file.
		trasnlationLangs	Provide the translation of the selected languages, or several languages can be selected as an array (must use [] to select multiple languages). English (en_GB) Spanish (es_ES) French (fr_CH) Japanese (ja_JP) German (de_AT) Chinese (Simplified) (zh_CN) Portuguese (pt_BR) For multiple languages, should be as [en_GB, es_ES, fr_CH]
	videoInsights		
		faces	True | false True: Provides face recognition False: Do not face recognition
		shots	True | false True: Provides scene detection of the uploaded file.

			False: Do not provide scene detection of the uploaded file.
	jobId		After the video has been uploaded, a jobId will be provided.

How to upload a video/audio file (requesting transcription and translation only) – audio insights.

The following mutation allows you to upload a video/audio file using a pre-signed URL using the createJob parameter, and request audio insights (transcription and translation only).

To get the translations, the transcription parameter should be set to **true**.

The translation is set to all languages: English (en_GB), Spanish (es_ES), French (fr_CH), Japanese (ja_JP), German (de_AT), Chinese Simplified (zh_CN), and Portuguese (pt_BR).

```
mutation MyMutation {
 videoEnrichment {
  createJob(
   jobName: "FileUpload"
   audioInsights: {transcription: true, translation: true, translationLangs: [en_GB, es_ES,
fr_CH,ja_JP,de_AT,zh_CN,pt_BR]}
   videoInsights: {faces: false, shots: false}
   sourceUrl: "https://automated-tests-s3.s3.eu-west-1.amazonaws.com/2025_file.MP4"
  ) {
   jobId
  }
 }
}
```

The mutation response should return a jobID as shown below:

```
{
  "data": {
    "videoEnrichment": {
      "createJob": {
        "jobId": "EU1ME6X00YZ20250811prod"
      }
    }
  }
}
```

How to upload a video/audio file (requesting scene detection and facial recognition only) – video insights

The following mutation allows you to upload a video/audio file using a pre-signed URL using the createJob parameter, and request video insights (scene detection and facial recognition).

```
mutation MyMutation {
 videoEnrichment {
   createJob(
     jobName: "FileUpload"
     audioInsights: {transcription: false, translation: false, translationLangs: [en_GB, es_ES,
fr_CH,ja_JP,de_AT,zh_CN,pt_BR]}
     videoInsights: {faces: true, shots: true}
     sourceUrl: "https://automated-tests-s3.s3.eu-west-1.amazonaws.com/2025_file.MP4"
   ){
     jobId
   }
 }
}
```

The mutation response should return a jobID as shown below:

```
{
  "data": {
    "videoEnrichment": {
      "createJob": {
        "jobId": "EU1M8LZGERK20250323"
      }
    }
  }
}
```

How to upload a video/audio file (requesting all audio insights and video insights)

The following mutation allows you to upload a video/audio file using a pre-signed URL using the createJob parameter, and request audio insights (transcription and translation) and video insights (scene detection and facial recognition).

```
mutation MyMutation {
  videoEnrichment {
    createJob(
      jobName: "FileUpload"
      audioInsights: {transcription: true, translation: true, translationLangs: [en_GB, es_ES,
fr_CH,ja_JP,de_AT,zh_CN,pt_BR]}
      videoInsights: {faces: true, shots: true}
      sourceUrl: "https://automated-tests-s3.s3.eu-west-1.amazonaws.com/2025_file.MP4"
    ) {
      jobId
    }
  }
}
```

The mutation response should return a jobID as shown below:

```
{
  "data": {
    "videoEnrichment": {
      "createJob": {
        "jobId": "EU1ME6X00YZ20250811prod"
      }
    }
  }
}
```

After executing the videoEnrichment mutation, it's possible to monitor the upload process using the **jobStatus** parameter within the videoEnrichment endpoint.

videoEnrichment endpoint

The video enrichment endpoint allows you to retrieve all the video enrichment features, such as transcriptions, translation in seven languages (German, English, Spanish, French, Japanese, Portuguese, and Chinese), Scene detection, and facial recognition (not in production yet).

In addition, the **jobStatus** and **serviceUsage** endpoints will allow you to monitor the video file upload and the service Usage of the video enrichment, respectively.

jobStatus

After executing the videoEnrichment mutation, it's possible to monitor the upload process using the **jobStatus** parameter within the videoEnrichment endpoint.

The following table shows the parameters under the jobStatus.

PARAMETERS			DEFINITION
videoEnrichment			
	jobStatus.jobid		Enter the jobId got in the videoEnrichment mutation.
		audioInsights	True=audio features (translation and transcription) have been provided false=audio features (translation and transcription) have been provided or requested
		executionsStatus	RUNNING: the job upload is in process. COMPLETED: the job has been uploaded. FAILED: the job has not been uploaded, try again. UNKNOW: Please try again. SUCCEEDED: the job has been processed. TIME_OUT: the job has not been processed due to time out request. ABORTED: the job has been interrupted. PENDING_REDRIVE: the job is not processed yet, in queue. IN_QUEUE: the job will be processed.
		jobId	Provides the jobId provided in the jobStatus.jobId
		jobName	Name of the video uploaded or the job name.

		requestValidity	PrequestValidity": "Prechecker Passed - Valid Request to Trigger Avista"
		stage	Complete: the createJob has been completed Incomplete: the createJob has not been completed
		videoInsights	True=videoInsights have been provided False=videoInsights have not been provided or requested

After the jobStatus.stage is **Complete**, then make use of the **jobResult** endpoints to get all the videoEnrichment features.

How to check the upload status.

The following query provides the createJob status and let you know if the video has been uploaded.

```
query MyQuery {
  videoEnrichment {
    jobStatus(jobId: "EU1ME6W8TIH20250811prod" {
      aiShotlists
      audioInsights
      executionStatus
      jobId
      mediaFile
      requestValidity
      stage
      videoInsights
    }
  }
}
```

Response:

```json
{
  "data": {
    "videoEnrichment": {
      "jobStatus": {
        "aiShotlists": false,
        "audioInsights": true,
        "executionStatus": "SUCCEEDED",
        "jobId": "EU1ME6W8TIH20250811prod",
        "jobName": "TaniaAugust11",
        "requestValidity": "Prechecker Passed - Valid Request to Trigger Avista",
        "stage": "complete",
        "videoInsights": true
      }
    }
  }
}
```

jobResult

The following table include the jobResults parameters related to retrieve the video enrichment features, such as transcription and translation.

PARAMETERS						DEFINITION
videoEnrichment						Return the videoEnrichment features
jobResult.jobId						Enter the jobId received in the videoEnrichment mutation
jobId						Provides the jobId entered in the query
	audioAnalysis					
		transcriptions				
			startTime			Provides the startTime of the section of the transcript.
			endTime			Provides the startTime of the section of the transcript.
			transcript			Provides the video transcriptions.
				native		
					language	Provides the native language of the video
					languageLocale	Provides the language
					text	Provides the text of the transcript
				translations		Provides the translations
					languageLocale	Provides the language name. English Spanish French Japanese German Chinese (Simplified) Portuguese
					text	Provides the translation of specific language
			speaker			
				personIndex		
people						
	name					
videoAnalysis						

	scenes					Scene detection analysis
		appearances				
			peopleIndices			
			timeline			
				startTime		Start time of the appearances
				endTime		End time of the appearances
				peopleIndex		Name of the person recognitized
		startTime				Scene starts time
		endTime				Scene end time
		speakers				
			peopleIndices			Display people index
				timeline		
					startTime	People appearance start time
					endTime	People appearance end time
					peopleIndex	Name of the person recognitized

How to get the transcription and translation.

The following query provides the translation and transcription of the uploaded file

```
query MyQuery {
 videoEnrichment {
  jobResult(jobId: "Enter_your_job_ID") {
   jobId
   audioAnalysis {
    transcriptions {
     startTime
     endTime
     transcript {
      native {
       language
       languageLocale
       text
      }
      translations {
       languageLocale
       text
      }
     }
    }
   }
  }
 }
}
```

How to get the scene detection.

The following query provides the scene detection of the uploaded file

```
query MyQuery {
 videoEnrichment {
  jobResult(jobId: "Enter_your_job_ID") {
   jobId
   people {
    name
   }
   videoAnalysis {
    scenes {
     startTime
     endTime
     appearances {
      peopleIndices
      timeline {
       startTime
       endTime
       peopleIndex
      }
     }
     speakers {
      peopleIndices
      timeline {
       startTime
       endTime
       peopleIndex
      }
     }
    }
   }
  }
 }
}
```

How to get the transcription, translation, scene detection and people recognition.

The following query provides the translation, transcription, scene detection and people recognition of the uploaded file

```
query MyQuery {
 videoEnrichment {
  jobResult(jobId: "Enter_your_job_ID") {
   jobId
   audioAnalysis {
    transcriptions {
     startTime
     endTime
     transcript {
      native {
       language
       languageLocale
       text
      }
      translations {
       languageLocale
       text
      }
     }
     speaker {
      personIndex
     }
    }
   }
   people {
    name
   }
   videoAnalysis {
    scenes {
     startTime
     endTime
     appearances {
      peopleIndices
      timeline {
       startTime
       endTime
       peopleIndex
      }
     }
     speakers {
      peopleIndices
      timeline {
       startTime
       endTime
       peopleIndex
      }
     }
    }
   }
  }
 }
}
```

serviceUsage

The serviceUsage is used to get the usage of the videoEnrichment endpoint during a determined date range.

PARAMETERS			DEFINITION
videoEnrichment			
	serviceUsage		
	dateRange		Date range can't exceed 30 days. Date format is year.month.day (2025.12.05)
	records		
		jobId	jobId of the jobs executed
		length	Video length in seconds
		jobName	Name of the video uploaded
		startTimestamp	Time when the video was uploaded
	totalSeconds		Total of seconds of job executed.

How to get the serviceUsage of the videoEnrichment endpoint.

The following query shows how to get the serviceUsage of the videoEnrichment endpoint.

```
query serviceUsage {
 videoEnrichment {
  serviceUsage(dateRange: "2025.03.18-2025.03.25") {
   records {
    jobId
    length
    startTimestamp
    jobName
   }
   totalSeconds
  }
 }
}
```

Response

```
{
  "data": {
   "videoEnrichment": {
    "serviceUsage": {
     "records": [
      {
        "jobId": "EU1M8EKC3FE20250318",
        "length": 281.98,
        "startTimestamp": "2025-03-18T14:03:43.283755",
        "mediaFile": "JobVideo2"
      },
"totalSeconds": 1765.44
    }
   }
  }
}
```

Support

For any product question, please contact: robert.schack@thomsonreuters.com or tania.vivero@thomsonreuters.com

For technical support contact us via: http://liaison.reuters.com/contact-us or send an email to ReutersMediaSupport@thomsonreuters.com