

Using AWS Job Packets (due to credential error in Python)

For all the jobs below the following Cockpit Voice Recording was used:

[USA Flight 1549 CVR](#)

1. Assigned different jobs for AWS Transcribe and AWS Comprehend

Transcription jobs (6)

Info

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Create job

Find job names

Status: All

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Name	Status	Language	Language settings	Model type	Model name	Created
tox	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 13:09 (UTC-05:00)
checkerlive	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 12:24 (UTC-05:00)
Checker5	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 12:04 (UTC-05:00)
checker3	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 12:03 (UTC-05:00)
Checker2	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 12:02 (UTC-05:00)
Checker	✔ Complete	English, US (en-US)	Specific language	General	-	March 22 2025, 11:49 (UTC-05:00)


2. AWS Transcribe (Checkerlive)

checkerlive [Info](#)

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Job details

Name	Model	Audio identification	Input data location
checkerlive	None	Channel identification, Speaker partitioning	s3://cvrmkdn/US Airways Flight 1549 Full Cockpit Recording.mp3 🔗
Status	Created	Alternative results	Output data location
 Complete	3/22/2025, 12:24:44 PM	Off	Service-managed S3 bucket
Language	Started	Custom vocabulary	
English, US (en-US)	3/22/2025, 12:24:44 PM	None	
Language settings	Ended	PII redaction	
Specific language	3/22/2025, 12:25:15 PM	Off	
Expiration Info	Input file format	Vocabulary filter	
The transcription is available for 89 more days.	mp3	-	
	Audio sampling rate	Toxicity detection	
	44100 Hz	-	

3. AWS Transcribe Text

Transcription preview

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- Text
- Audio identification
- Subtitles
- Toxicity detection - new

Cactus 15. Cactus 15. 201539 201539 Lauardia. OK, you need Lauardia. OK, you need to return to LaGuardia. Turn left heading 2. to return to LaGuardia. Turn left heading 2. to Park's got an emergency returning. to Park's got an emergency returning. 1529 bird strike. He lost all engines. He lost the thrust in the engines. He's returning immediately. 1529 bird strike. He lost all engines. He lost the thrust in the engines. He's returning immediately. Cactus 1529 which engines Cactus 1529 which engines he lost thrust in both engines, he said. Got it. he lost thrust in both engines, he said. Got it. 1529, we can get it for you. Do you want to try to land where 1529, we can get it for you. Do you want to try to land where 13? 13? We may end up in. We may end up in. 2760 070. 2760 070. 15.9 going to be less traffic to runway 3.1. 15.9 going to be less traffic to runway 3.1. OK, what do you need to land? OK, what do you need to land? 159 runway 4 is available if you want to make traffic 159 runway 4 is available if you want to make traffic to to runway 4. What's over to our right. Anything in New Jersey. OK, runway 4. What's over to our right. Anything in New Jersey. OK, yeah, off your right side is yeah, off your right side is Teterboro Airport. Teterboro Airport. Do you want to try to go to Do you want to try to go to Teterboro departs emergency 129 over the George Washington Bridge wants to go to the airport right now. Yes, it

4. AWS Transcribe Diarization

Transcription preview

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- Text
- Audio identification
- Subtitles
- Toxicity detection - new

- Channel 0 (Speaker 0): Cactus 15.9 radar contact is lost. You also got Newark Airport up at 2 in about 7 miles. 54 7 18 turn left 210. 247 to 18. I think he said he was going in the Hudson. Cactus 1529. If you can you got runway 29 available at Newark, it'll be 2 o'clock in some. 4718 1 12,000. 718. I'm sorry I missed that. Say again. And
- Channel 0 (Speaker 1): we're up to 12,000.
- Channel 0 (Speaker 0): OK, thank you. 18
- Channel 0 (Speaker 1): 220. Was that the. Yeah, it was the cactus. He was just north of the George Washington Bridge when they had the bird strike.
- Channel 1 (Speaker 0): Cactus 15. 201539
- Channel 1 (Speaker 1): Lauardia. OK, you need
- Channel 1 (Speaker 0): to return to LaGuardia. Turn left heading 2. to Park's got an emergency returning. 1529 bird strike. He lost all engines. He lost the thrust in the engines. He's returning immediately.

5. AWS Transcribe (checker3)

checker3 [Info](#)

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Job details

Name checker3	Model None	Audio identification Off	Input data location s3://cvrmkdn/Delta Air Lines Flight 1141 CVR Recording.mp3 🔗
Status <div>✔ Complete</div>	Created 3/22/2025, 12:03:14 PM	Alternative results Off	Output data location Service-managed S3 bucket
Language English, US (en-US)	Started 3/22/2025, 12:03:14 PM	Custom vocabulary None	
Language settings Specific language	Ended 3/22/2025, 12:04:31 PM	PII redaction Off	
Expiration Info The transcription is available for 89 more days.	Input file format mp3	Vocabulary filter -	
	Audio sampling rate 44100 Hz	Toxicity detection On	

6. Aws Transcribe Toxicity Detection

Transcription preview

Select download to save a local copy of the transcription.

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TextAudio identificationSubtitlesToxicity detection - new

Toxicity score

0.0 to 0.40.4 to 0.80.8 to 1.0

Info

Higher score means higher toxicity.

Show filters

Grand. She looks like she's from Texas. She's got that horse face. I like not sporty one. You're trying to hang that rich. We forgot something on our first leg today we forgot. Discuss about the dating habits of our flight attendants so we can get it on the recorder, you know, in case we would have some kind of. Oh, You know that continental crashed in Denver. about dating habit to one of the funnest. All right Oh. I think they We, we go wife and children to listen to. We were just talking yesterday, you know. Abo that DC, I mean that was a crash due to weather and all that. I mean it wasn't around. American DC up in Chicago is due to faulty maintenance. Airplane fli crashed, killed more people. You never hear about that. A 15 15 green light goods coming up both sides.

Toxicity score0.10 X

Profanity0.28

Hate speech0.08

Sexual0.14

Insults0.09

Violence or threat

Graphic0.160.15

Harassment0.11

7. AWS Comprehend Sentiment Analysis

Entities

Key phrases

Language

PII

Sentiment

Targeted sentiment

Syntax

▼ Analyzed text

you got runway 29 available at Newark, it'll be 2 o'clock in some. 4718 1 12,000. 718. I'm sorry I missed that. Say again. And

Channel 1 (Speaker 1):
we're up to 12,000.

Channel 1 (Speaker 0):
OK, thank you. 18

Channel 1 (Speaker 1):
220. Was that the. Yeah, it was the cactus. He was just north of the George Washington Bridge when they had the bird strike.

▼ Results

Sentiment

Neutral
0.60 confidence

Positive
0.00 confidence

Negative
0.39 confidence

Mixed
0.00 confidence

All the following analyses were done just using the Cockpit Voice Recording and AWS was able to do the analysis.

The transcribed data was then pushed to Gemini for further analysis to gain more insights into the transcribed data.