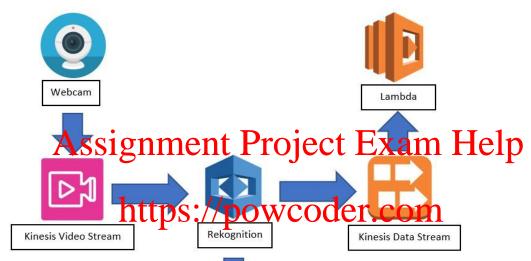
Assignment Project Exam Help Kinesissyldeor.Streams

Add WeChat powcodehma Asharaf Beena



Add WeChat powcoder



Rekognition Collections

What is kinesis?

- 1. Enables you to deal with streaming data
- 2. Generates insights from incoming data in seconds or minutes
- 3. Scalable Assignment Project Exam Help
- 4. Can handle any amount of data with low latencies.

 https://powcoder.com

Variants of kinesis

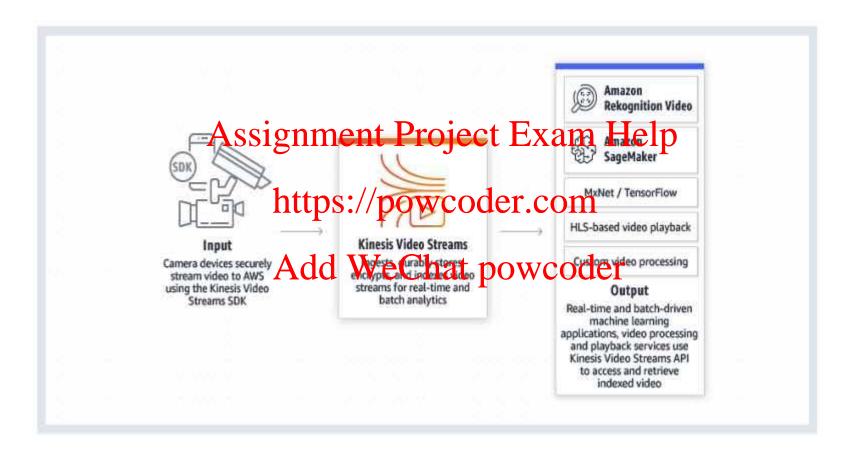
- Kinesis video stream: To securely stream video from connected devices to AWS.
- 2. <u>Kinesis Data Firehouse</u>: Capture, transform and load data into AWS stores like data lake, data store..
- 3. Kinesis Data Analytics: Transform and allayze stream to data in real time with Apache Flink.
- 4. <u>Kinesis Data Streams</u>: Continuously capture gigabytes of data/second from thousands of sources. https://powcoder.com

Kinesis Video Stream

- Connect and stream from millions of devices
- 2. Durably store, encrypt, and index data used in HW2
- 3. Build real-time and batch applications to Parto iteams Exam Help
- 4. Stream data more securely
- 5. Pay as you go

https://powcoder.com

How it works?



Set up

- Refer to the build and run sections in https://github.com/awslabs/amazon-kinesis-video-streams-producer-sdk-cpp GStreamer and JNI is NOT built by default, you MUST execute cmake .. -DBUILD GSTREAMER PLUGIN=ON -DBUILD JNI=TRUE
- Create a kinesisvided stream in the are console Use the default configuration and enter your video stream name. Significant project Exam Help https://us-east-2.console.aws.amazon.com/kinesisvideo/home?region=us-east-2#/
- 3. cd build and execute
- AWS_ACCESS_KEY_ID=
 AWS_ACCESS_KEY_ID=
 AWS_SECRET_ACCESS_KEY=
 AWS_SECRET_ACCESS_KEY=
 Secret key> AWS_DEFAULT_REGION=us-east-2 ./kvs gstreamer sample <your_video_stream_nanced w Ween hart powcoder</pre>
- Under your Media Playback session in your stream in your video stream in aws console, you should be able to see the video streaming. https://us-east-2.console.aws.amazon.com/kinesisvideo/home?region=us-east-2#/streams/strea mName/<yourv video stream name>

Getting current image snapshot from KVS

Get byte stream from KVS

- 2. Write this to a file in chunks
- 3. Read the image from this file using cv2 library(python)

```
vidcap = cv2.VideoCapture(the_video_file_path_from_step2)
success, image = vidcap.read()
```

References

- https://aws.amazon.com/kinesis/video-streams/
- 2. https://docs.aws.amazon.com/kinesisvideostreams/latest/dg/what-is-kinesis-video.html
- 3. https://github.com/awslabs/amazon-kinesis-video-streams-producer-sdk-cpp
- 4. <a href="https://github.com/awslabs/amazon-kinesis-video-streams-producer-sdk-cpp/tree/master/docs-stream-sdk-cpp/tree/master/docs-stream-sdk-cpp/tree/master/docs-sdk-cpp/tree/ma

https://powcoder.com