AI & Machine Learning

Automatically uncover insights from your customer conversations

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aws

Contact Centers are important for Customer Experience



Multi-industry

Financial Services, Healthcare, Hospitality and Travel, Utilities and energy, Retail and Consumer, Education, Insurance, B2B, Ecommerce, Telecom, Media and entertainment, Gaming, Real estate, Automotive



Different Functions

Customer Service, Telemarketing, Help desks, Support Centers, Employee Services, Patient-provider communications

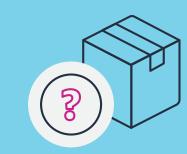


Disparate deployments

On-premise, Cloud, Hybrid Centralized, Distributed

Adding intelligence to contact centers









Who are you?

Accessing relevant customer data is crucial to problem resolution

What do you need?

Identifying problems correctly and efficiently impacts customer experience

How did we do?

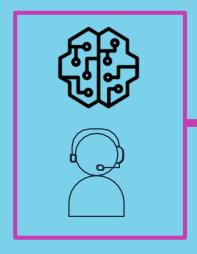
Measuring how well the problem was handled and its impact on loyalty / retention

Where to improve?

Analyzing the data to improve the customer experience and the bottom line

Adding intelligence with AI and ML

Applying AI and ML to contact centers







Self Service **Conversational IVRs**, virtual agents, and smart routing



Real-time call analytics and agent assist Voice transcription with

sentiment analysis and next best actions



Post call analytics Agent scoring Issue detection

Find answers without the need for a live agent; Quickly identify the right agent

Alert supervisors immediately to important issues; Improve agent efficiency

Identify agent training and business improvement opportunities

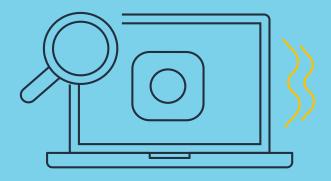
AWS machine learning for contact centers

Amazon Connect



Easy to use, omnichannel cloud contact center

AWS Contact Center Intelligence (CCI)



Set of solutions to add intelligence to your existing contact center

Why live-call analytics?

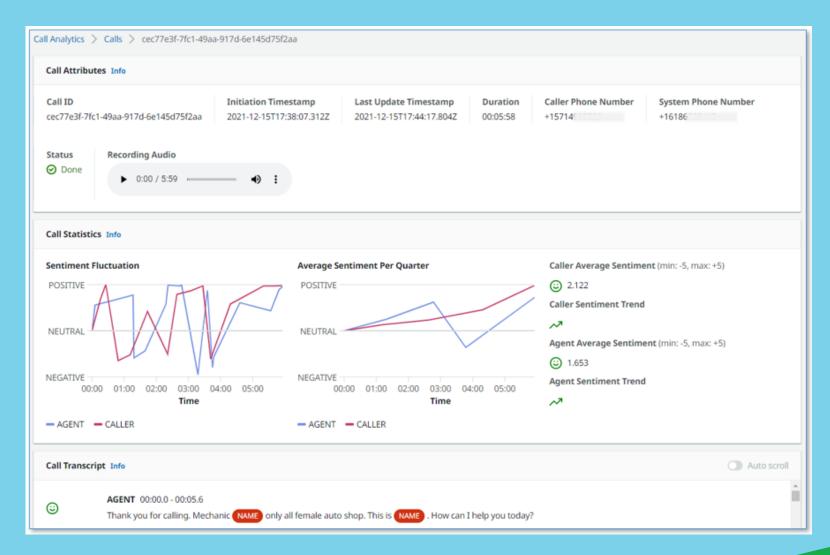




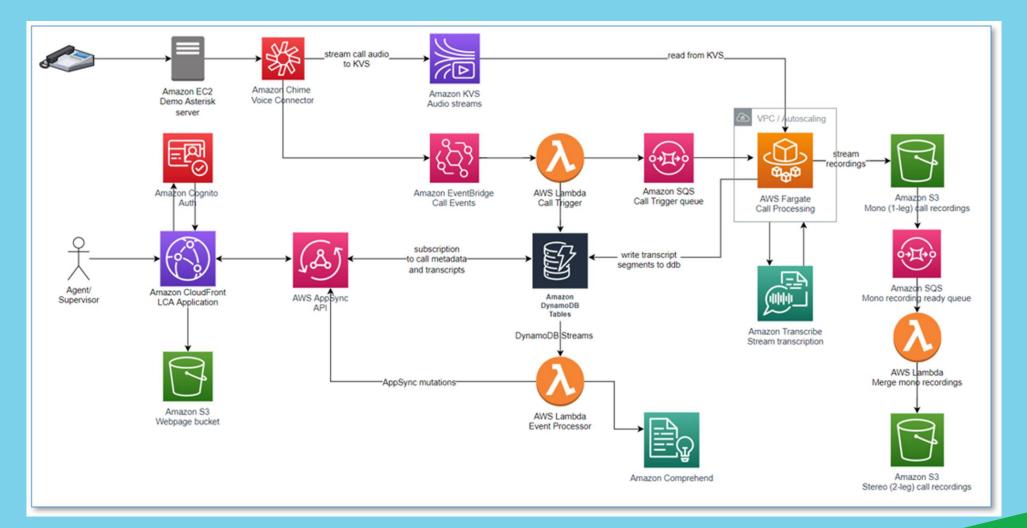
What is Live-call Analytics

- Solution to transcribe and get sentiment trends of contact center calls in real-time
- Enables contact center supervisors and agents to improve callers' experience
- Uses AWS Language AI services like Amazon Transcribe and Amazon Comprehend
- Open source on GitHub *aws-samples*, with companion blog post: <u>https://amazon.com/live-call-analytics</u>
- Easily launched via CloudFormation including demo telephony server

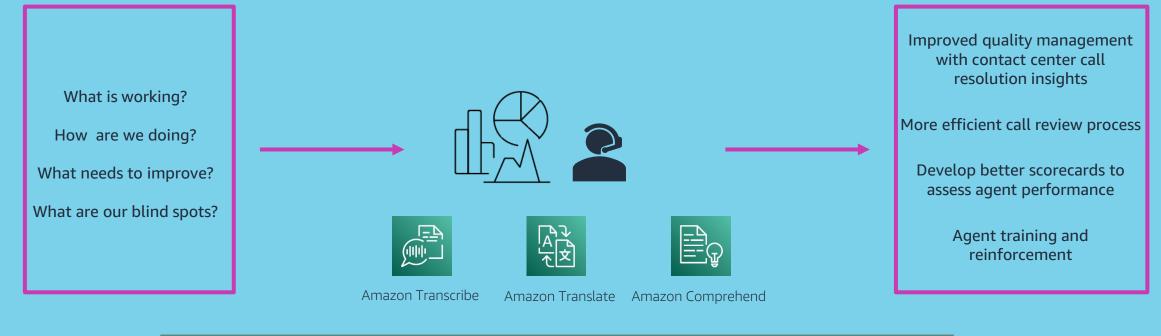
Live-call analytics demo



Live-call analytics – how is it implemented?

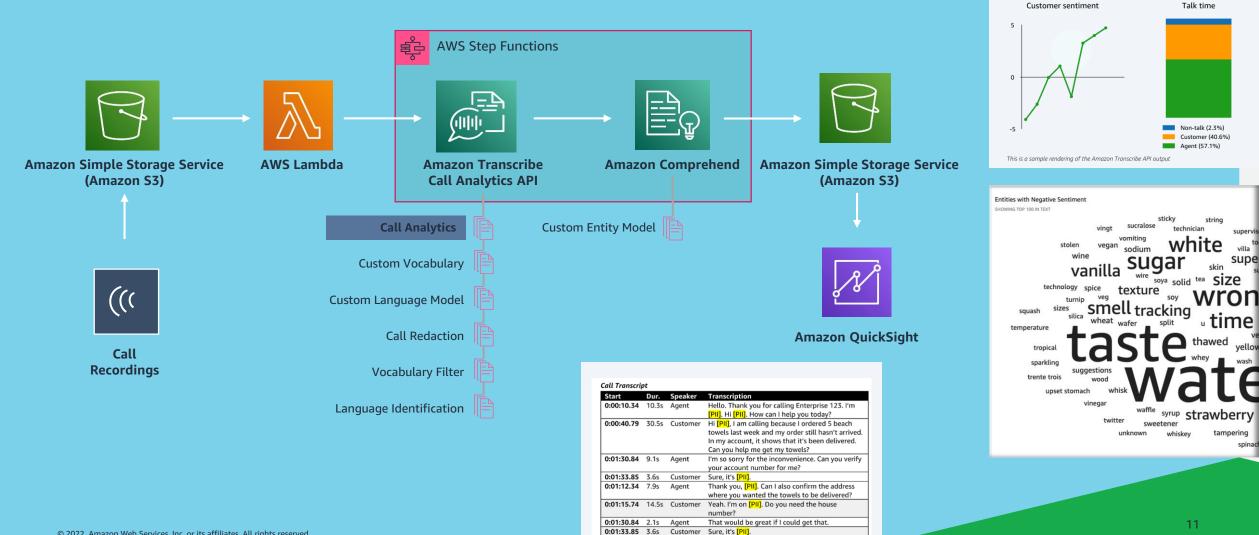


Why post-call analytics?





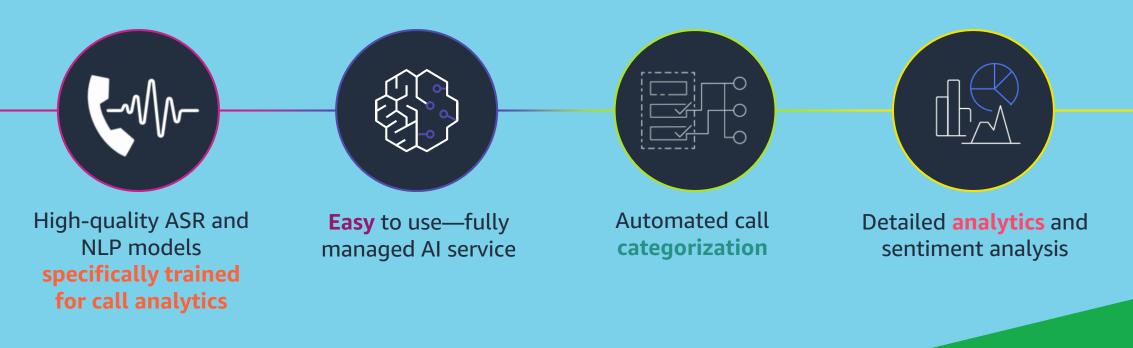
Post-call analytics – how is it implemented?



This is a sample rendering of the Amazon Transcribe API output

Amazon Transcribe – Call Analytics API

Easy to use, call analytics API that can enable you to extract and add actionable insights from your customer interactions into your applications.



Post-call analytics demo

Amazon Transcribe PCA Home Search

Signed in as: admin Logout

Home

Job Name	Timestamp	Customer Sentiment	Customer Sentiment Trend	Language Code	Call Duration
AutoRepairs3_GUID_98735f31-c5a8-4edf-a006- 0f5406054bfc_AGENT_BobS_DATETIME_17.51.51.283-09-18-2021.wav	2021-09-18 10:51:51		~7	en-US	04:05
AutoRepairs2_GUID_2a602c1a-4ca3-4d37-a933- 444d575c0222_AGENT_SteveE_DATETIME_08.02.20.342-09-17-2021.wav	2021-09-17 01:02:20	\odot	~7	en-US	03:56
AutoRepairs1_GUID_4628bb26-9631-487f-8d7b- 0ac8e84074fd_AGENT_AndrewK_DATETIME_07.55.51.067-09-16-2021.wav	2021-09-16 00:55:51	Û	~	en-US	04:55

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Solution resources

https://amazon.com/post-call-analytics



AWS blogs GitHub code repositories 1-Click installers

https://amazon.com/live-call-analytics

Google

aws blog call analytics

https://aws.amazon.com > blogs > machine-learning > p...

Post call analytics for your contact center with Amazon ... Dec 17, 2021 – The Post **Call Analytics** solution offers a scalable, cost-effective approach to provide **call analytics** with features to help improve your callers ... You've visited this page 2 times. Last visit: 2/8/22



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https://aws.amazon.com > blogs > aws > extract-insights...

Transcribe Call Analytics - Amazon AWS

Aug 4, 2021 – Extract Insights From Customer Conversations with **Amazon** Transcribe **Call Analytics** · Timestamped turn-by-turn **call** transcription in 21 languages. You visited this page on 2/8/22.

https://aws.amazon.com > blogs > machine-learning > li...

Live call analytics for your contact center with Amazon ...

Dec 17, 2021 — Live **call analytics** for your contact center with **Amazon** language Al services · Help supervisors assess the quality of your caller's experiences ... You visited this page on 2/8/22.







Getting started: Next steps



DISCOVERY WORKSHOP to PROOF OF CONCEPT

Identify the use case, Determine KPIs, Start a POC



COLLABORATION

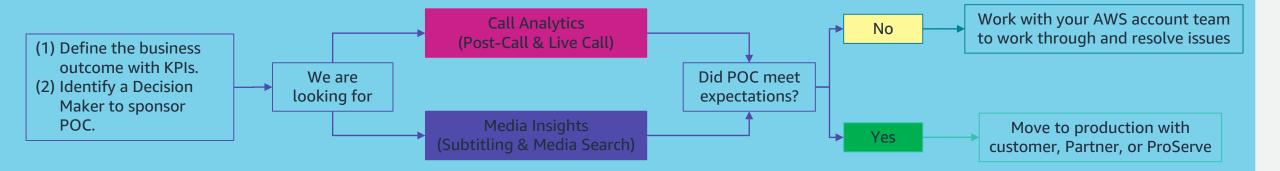
Work with AWS experts AWS CCI Partners AWS ProServe ML Solution Labs



TRAINING

AWS ML Embark Program AWS deep devices

Getting started: Proof concept with Amazon Transcribe



Best resource: AWS Account Team



Thank you!

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