



AWSSOME DAY

ONLINE CONFERENCE

2025 | APJ



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Generative AI powered conversation intelligence - audio, chats supporting diverse languages

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Agenda

- Introduction
- The need and challenges in extracting insights
- Conversation intelligence – stages and features
- Solution
- Demo

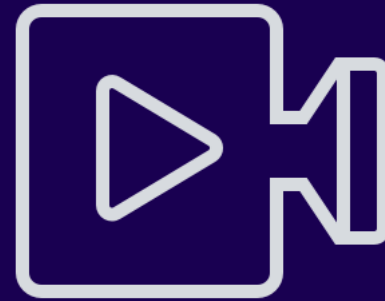
How we interact with customers



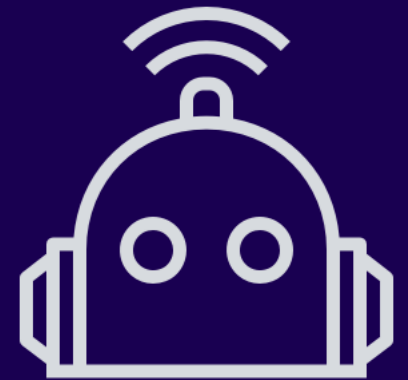
**Phone call with
agents**



**Chat with
agents**

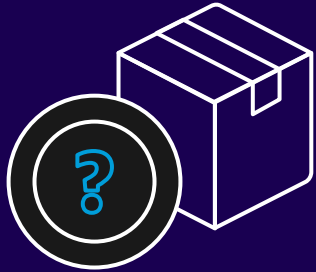


**Video call with
service providers**



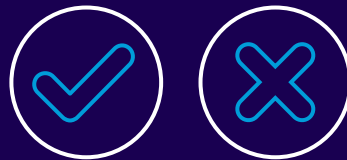
**Chat with
bots**

Challenges and needs



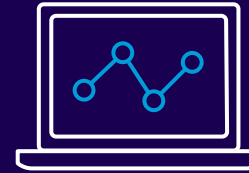
What do you need?

Identify why customers are calling and what is the best way to solve their problem



How did we do?

Measure customer satisfaction, handle time, and script compliance



Where to improve?

Analyze data to improve customer experience and bottom line



Compliant?

Meet call handling compliance requirements regarding data privacy and call handling

How we analyze conversations



Lack of data/coverage



Manual scoring



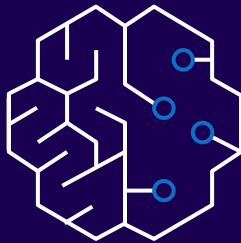
Conversation intelligence



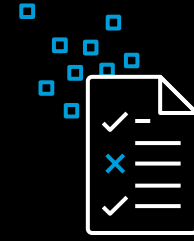
Introduction



Comprehensive
coverage



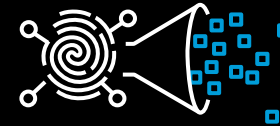
Automatic processing of
recorded calls



Call drivers,
trends,
categories



Compliance
adherence



Agent
coaching
opportunities



Customer
sentiment

Insights!

Stages

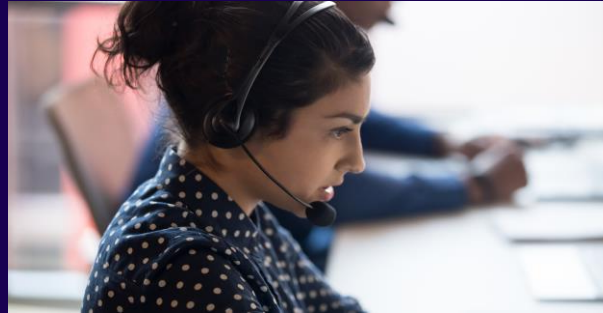
Pre-call



Self-service virtual agents

Deliver 24/7/365 assistance when automatically answering customer queries with a voice or chat bot across multiple channels

In-call



Real-time analytics + agent assist

Provide agents with next best actions to resolve calls faster while alerting supervisors to difficult calls

Post call



Post-conversation analytics

Gain insights on sentiments, emerging trends, and agent performance

Protect sensitive information with PII redaction

Features

Turn-by-turn transcripts and summaries

Enable agents to find accurate answers stored across disparate data sources faster

Redaction of sensitive information

Automatically identify and redact PII and PCI, data from both audio and text files



Speech analytics and conversation insights

Automatically gain insights in customer sentiments, call characteristics, drivers, and categories

Dashboards

Design dashboards for analysts and managers to track critical KPIs

Benefits



Reduce costs

Improve employee productivity by eliminating note taking and reducing supervisor review time with accurate transcripts and summaries



Improve customer experience

Gain business insight on emerging trends to feed into customer experience

Improve quality management

Enhance self-service and agent capabilities with new insights



Drive Revenues

Identify product improvement opportunities

Reduce churn and *improve lifetime value* of the customer

Need for customization

- Language/local language support (Amazon Transcribe now supports over 100 languages)
- Need to customize solution or use custom pre-trained models/fine-tuned by domain specific data set
- Support variety of media types: audio, video, chat and more
- Extend the solution to build further
 - Customer level intelligence
 - KPI metrics
 - Generate action items and more

Conversations

New-line delimited chat conversations



audio files

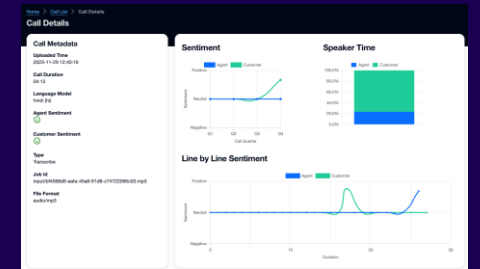


Diarize	Transcribe and translation	Detect sentiment and entities	Summarize action items
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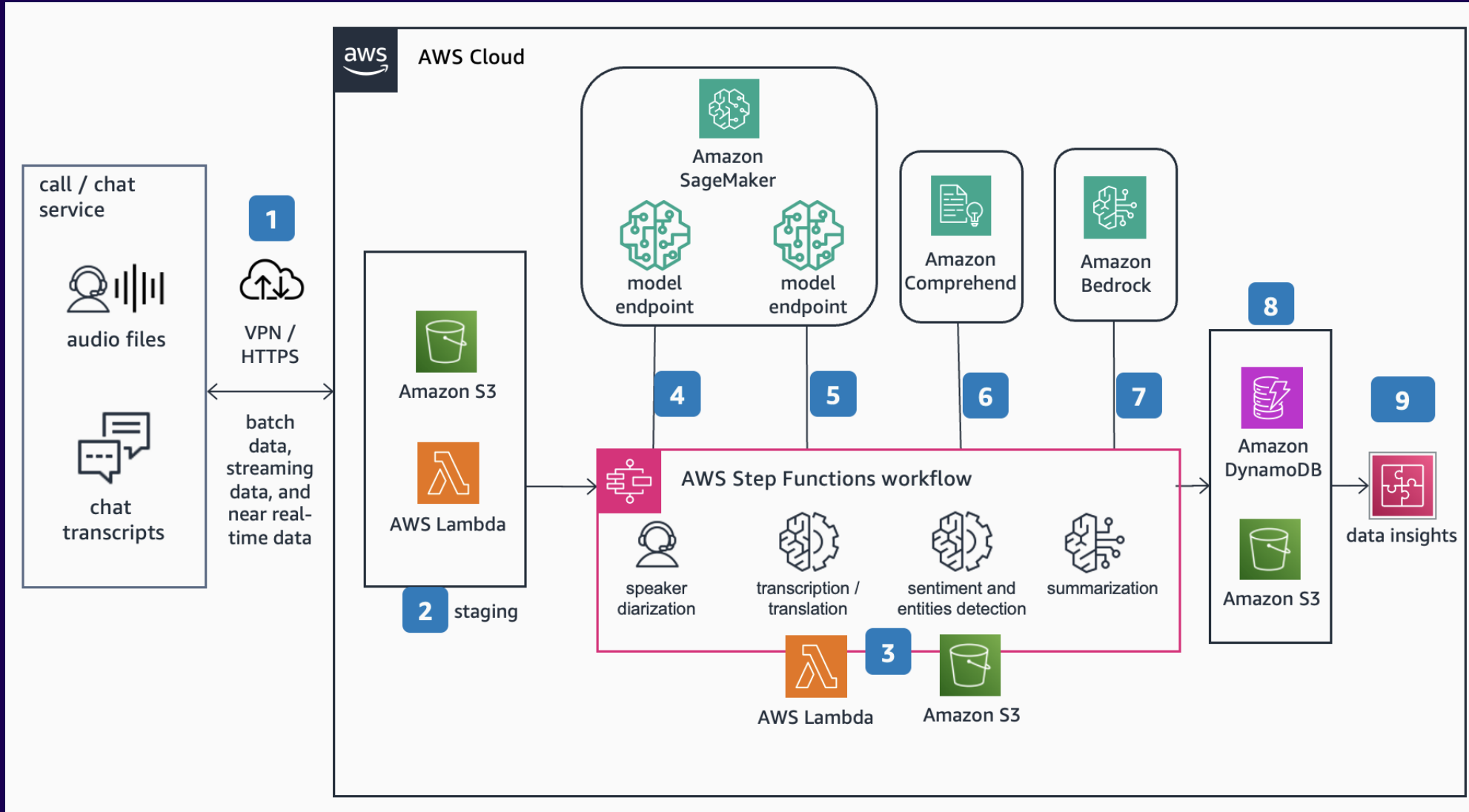
Transcripts

Dashboard with insights and generative AI based Q&A

Workflow automation



Solutions architecture: Deep dive



Demo



Key features



**Turn-by-turn
transcripts**



**Detailed call
characteristics**



**Sentiment
analysis**



**Automated call
categorization**



**Issue
detection**



**Sensitive data
redaction**



**Call
summarization**

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Thank you!

