

24 February 2022

Modernize your CX innovation with ML-powered Amazon Connect

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Agenda

- Amazon Connect overview
- ML-powered features of Amazon Connect
- ML-powered CX engagement scenarios



Amazon Connect



Pay only for what you use



Amazon Connect is innovating quickly

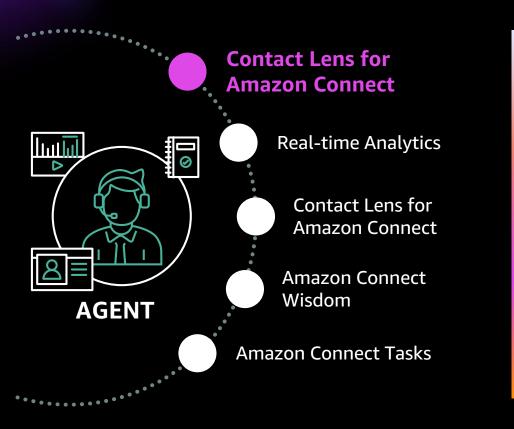
170+ major feature launches in four years

 High volume outbound communications (Preview) Amazon Connect Wisdom 	Automatic agent status change	Per-second billing	Real-time customer voice stream	Contact flow import/ export	Salesforce CTI adapter	ISO compliance	Contact Lens	Multi-block editing	User management API	Natural text- to-speech voices
 Amazon Connect Voice ID Amazon Chat messaging streaming APIs Brogrammable Contact 	Asia Pacific (Tokyo) Region	Real-time analytics dashboard	Contact flow block copy/ paste	Conversation logs	Chatbots	Amazon Lex languages: Spanish, French, and German	ML-based PII redaction	AWS CloudTrail support for Amazon Connect APIs	Agent event streams	Contact attributes API
 Programmable Contact Center APIs Customer Profiles connectors for Shopify and Segment 	User hierarchy API	SOC compliance	AWS CloudTrail integration	Output file storage	Conversation al speaking style voices	Chat for web and mobile	Whisper flows	Europe (London) Region		Speech synthesis markup language support
 Customer Profiles identity resolution, flow updates Improved agent application 	Tagging support	Telephony metadata	Resource config APIs	Contact flow looping	Metrics and reporting	Auto queues call transfer	US West (Oregon) Region	Contact flow versioning	Customer voice stream	Automated queue callbacks
 Apple Business Chat for Amazon Connect New regions: Korea 	SSO SAML 2.0	Pause/ resume call recordings	Interactive chat messages	Dynamic range compression (DRC) tag	NA/EU/APAC telephony pricing decreases	Contact flow AWS Lambda functions	PCI-DSS compliance	Queue metrics API	HIPAA	One-click drill downs for real-time metrics

RECENT LAUNCHES

Automate real-time caller authentication

THE NEW AGENT EXPERIENCE



PROBLEM

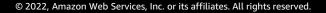
Inability to get real-time help from supervisors during customer conversations

SOLUTION

Real-time analytics that monitors calls, detects customer sentiment and issues, and automatically alerts supervisors when agents need assistance

ANNOUNCING

Contact Lens call summarization for Amazon Connect



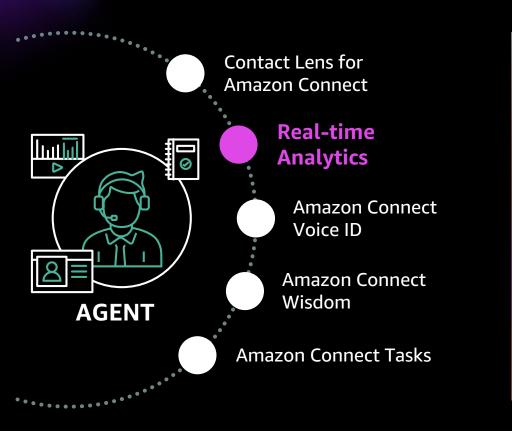


Demo 1



Deliver agents a unified customer view

THE NEW AGENT EXPERIENCE



PROBLEM

Not having real-time capabilities to understand when a call requires urgent attention

SOLUTION

Get real-time call analytics that enable supervisors to detect and resolve customer experience issues during live calls

LATEST ENHANCEMENT

Automatically identifies and categorizes key parts of the customer service conversation



Demo 2a



Demo 2b



Monitor real-time sentiment and get help fast

THE NEW AGENT EXPERIENCE



PROBLEM

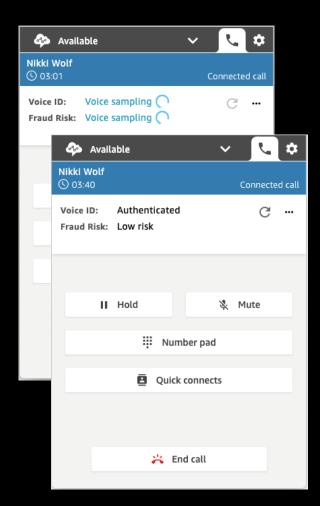
Manual and repetitive customer questioning used for identity authentication

SOLUTION

Automated real-time caller authentication that analyzes a caller's unique voice characteristics

LATEST ENHANCEMENT

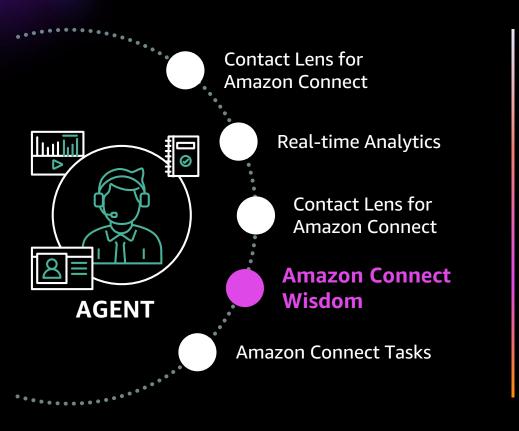
- Improved fraud detection
- Salesforce CTI support





Enable agents with real-time recommendations

THE NEW AGENT EXPERIENCE



PROBLEM

Finding useful content and answers to questions across multiple knowledge bases and articles

SOLUTION

Real-time resolution and recommendations using natural language search across systems to find answers quickly

LATEST ENHANCEMENT

Salesforce CTI support



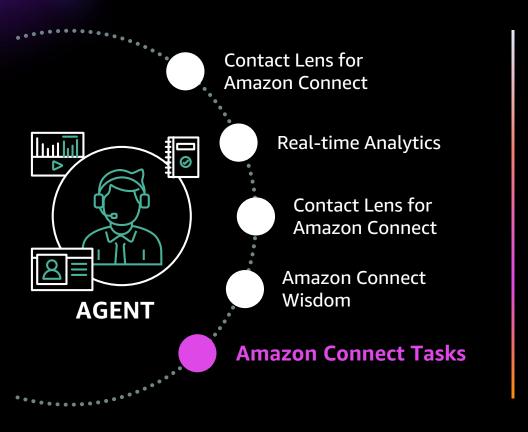
Demo 3



Automate follow-up on key customer tasks

THE NEW AGENT EXPERIENCE

aws



PROBLEM

Inability to manage and track agent tasks effectively

SOLUTION

Automatically assign, track, and follow-up on agent tasks for improved customer experience

LATEST ENHANCEMENTS

- Orchestrate tasks directly from contact flows
- Task scheduling

Engage customers on their channels of choice

THE NEW CUSTOMER EXPERIENCE



CUSTOMER



Chat messaging streaming APIs



Messenger Instagram



Viber

Slack



Line

Twitter

Google Messages



WeChat



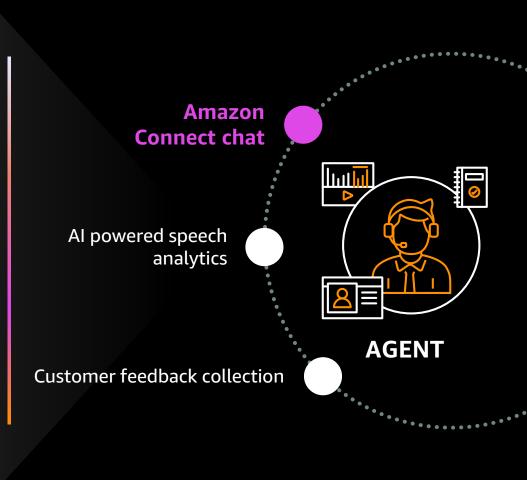
Apple **Business Chat***



Microsoft Teams



Web Chat*



*Supported natively in Amazon Connect



Engage customers on their channels of choice

THE NEW CUSTOMER EXPERIENCE



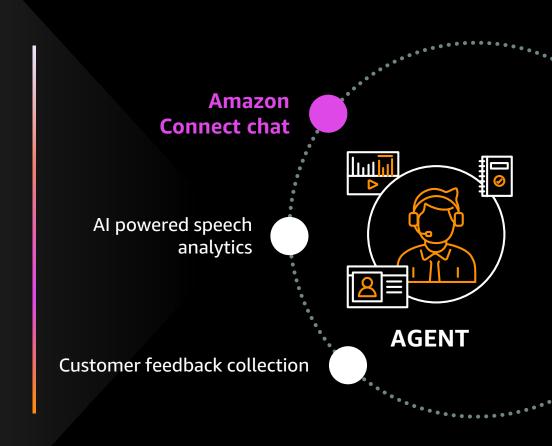
CUSTOMER



Amazon Translate

Add real-time translation for communications applications Add real-time translation for communications applications

Provide on-demand translation of usergenerated content



*Supported natively in Amazon Connect



Demo 4



Improve the self-service experience with AI

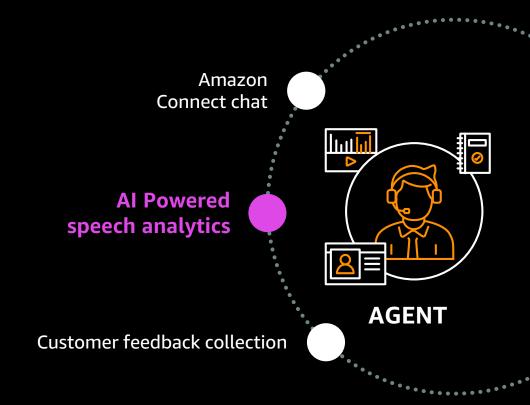
THE NEW CUSTOMER EXPERIENCE



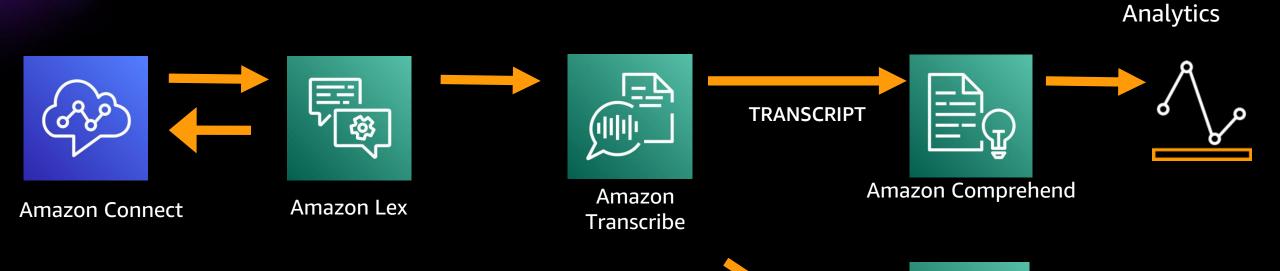
CUSTOMER



Natural language speech & text AI handles more complex interactions Multiple language support "Build once, use everywhere"



Improving contact centers with artificial intelligence



TRANSLATE

Amazon Translate

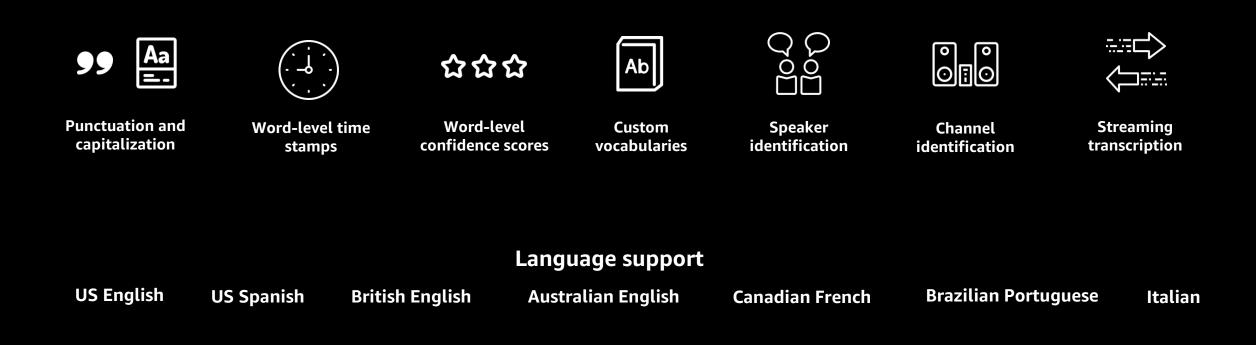


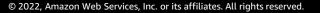
Demo 5



Amazon Transcribe

Fully managed and continuously trained automatic speech recognition service powered by deep-learning models





Amazon Comprehend

Natural language processing service that uses machine learning to find insights and relationships in text





Voice of customer analytics

Analyzing what customers are saying about your brand, products, and services

aws



Semantic search

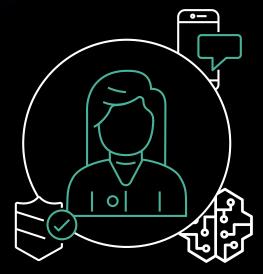
Making search smarter by searching on key phrase, sentiment, and topic

Knowledge management & discovery

Organizing documents, categorizing by topic, and personalizing experiences

Personalize outbound calls and notifications

THE NEW CUSTOMER EXPERIENCE



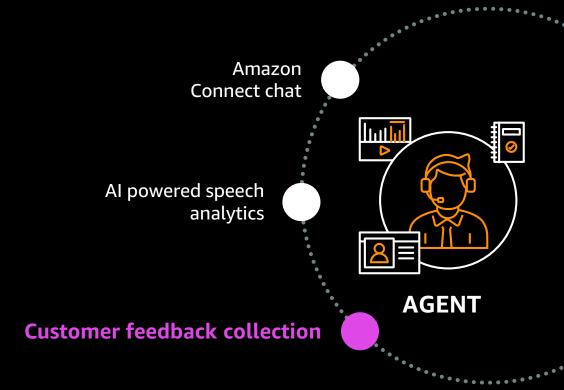
CUSTOMER

PROBLEM

Customer centricity usually means feedback becomes a top priority. Collecting feedback from customers can become increasingly difficult.

SOLUTION

Phone based feedback collection powered by ML. Gain insights to the sentiment and key phrases used by the caller, redact PII and automate call analysis.





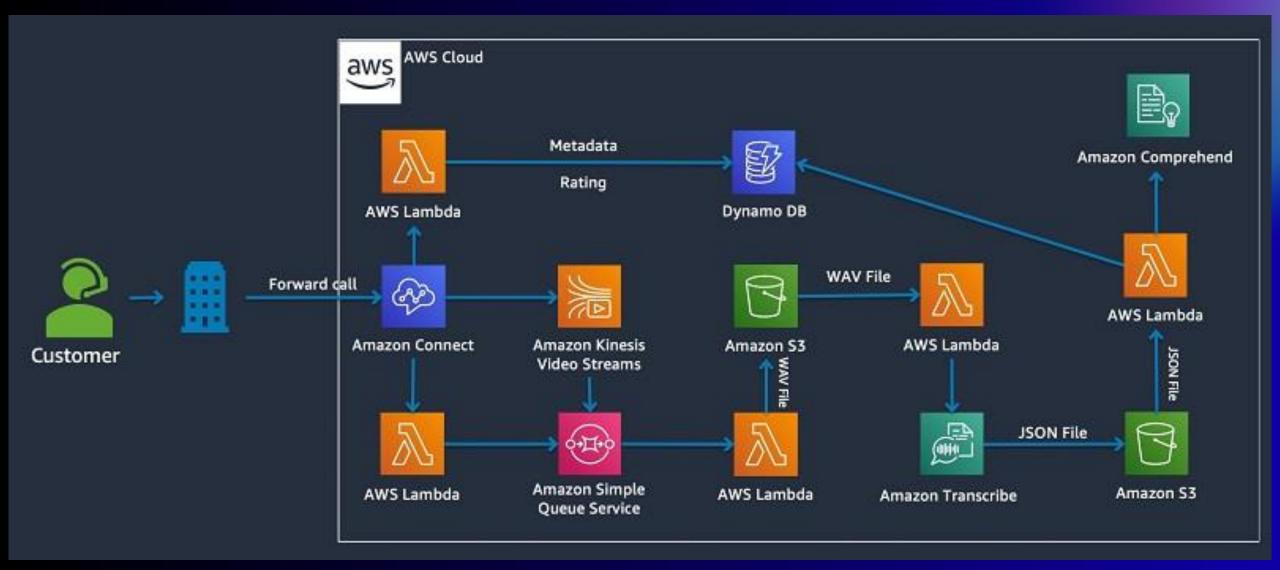
Demo 6a



Demo 6b



Architecture











Additional Links

- Amazon Connect <u>https://aws.amazon.com/connect/contact-lens/</u>
- AI powered speech analytics solution <u>https://aws.amazon.com/solutions/implementations/ai-powered-speech-analytics-for-amazon-connect/</u>
- Feedback collection on Amazon Connect <u>https://aws.amazon.com/blogs/machine-learning/setting-up-an-ivr-to-collect-customer-feedback-via-phone-using-amazon-connect-and-aws-ai-services/</u>
- Live customer service chat translation <u>https://aws.amazon.com/blogs/machine-learning/implement-live-customer-service-chat-with-two-way-translation-using-amazon-connect-and-amazon-translate/</u>



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- Choosing the right compute infrastructure for machine learning e-book
- Improving service and reducing costs in contact centers e-book
- Why ML is essential in your fight against online fraud e-book
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Thank you!

Sumit Patel



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