# re:Invent DECEMBER 2 - 6, 2024 | LAS VEGAS, NV

**BIZ223-NEW** 

#### Reimagine end customer selfservice with Amazon Connect

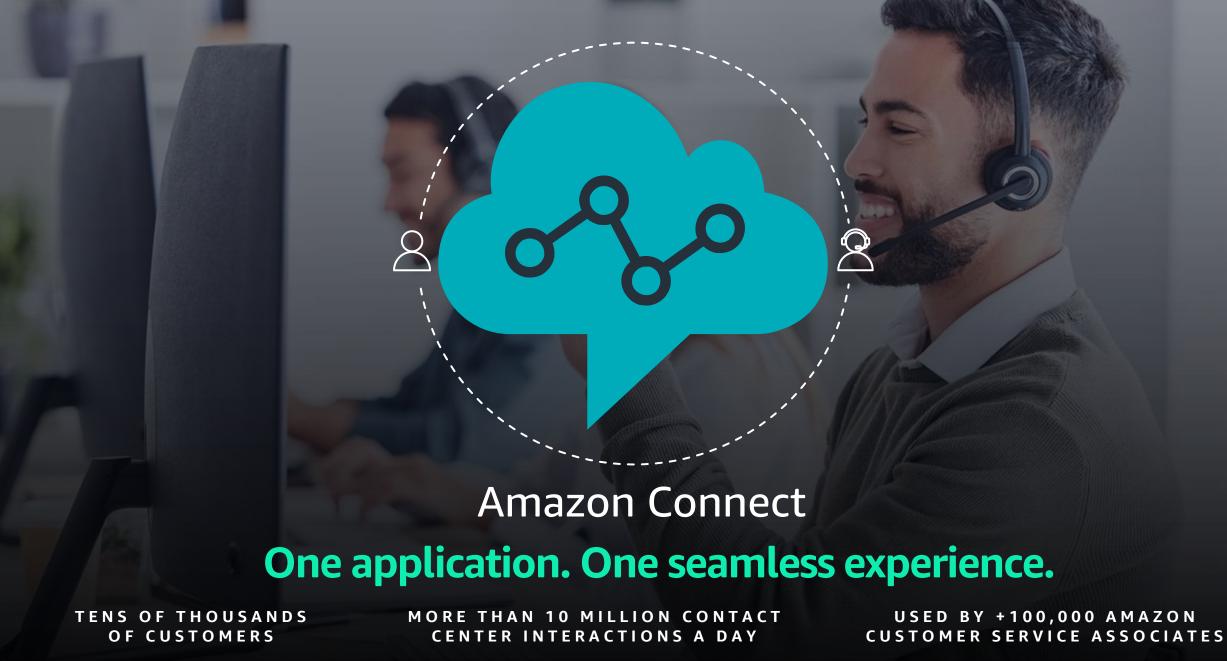
#### **Keith Ramsdell**

(he/him)
Principal Product Manager
Amazon Web Services

#### **Jack Hutton**

(he/him)
Principal Product Manager
Amazon Web Services





#### **Introducing Mary**

Enjoys vacation planning (almost as much as the vacation itself)

First time using AnyCompany Travel for her vacation plans

Needs to change her and her family's flight plans and hotel accommodations



#### A typical customer journey...

"I hope I can fix this without having to contact support."

"I wish they would just know my issue..."

"Can you please just fix my issue quickly?"

"Thank goodness it's over. I hope I don't have to do that again."



Mary

Issue or opportunity arises



Realizes the issue



Searches for solutions

**Initial contact** and self-service



Contact started



Issue communicated



Self-service options

**Transferred to agent** support



Agent diagnoses issue



Agent works through solution

Resolution



Agent confirms resolution

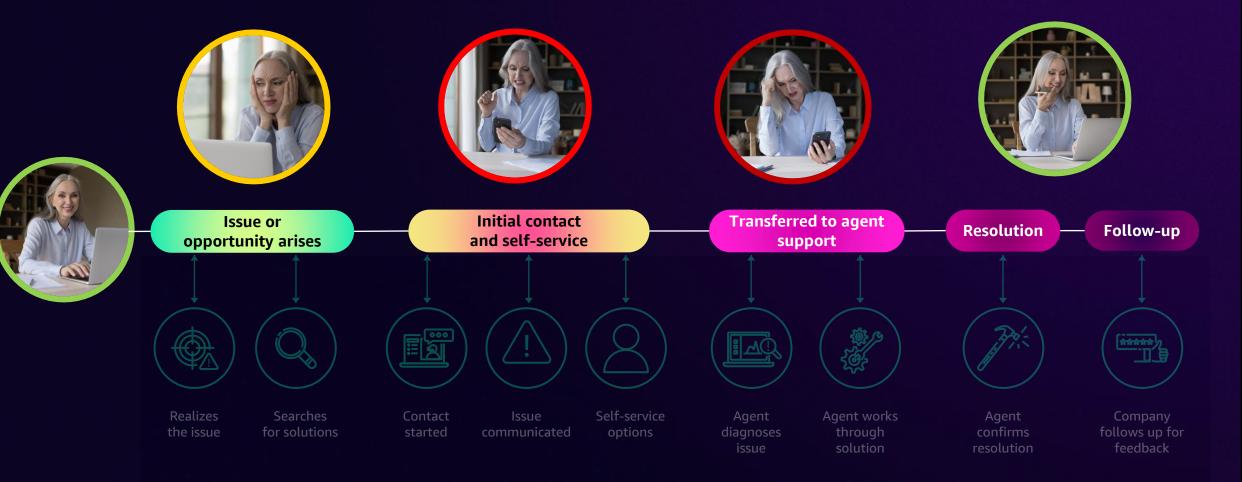


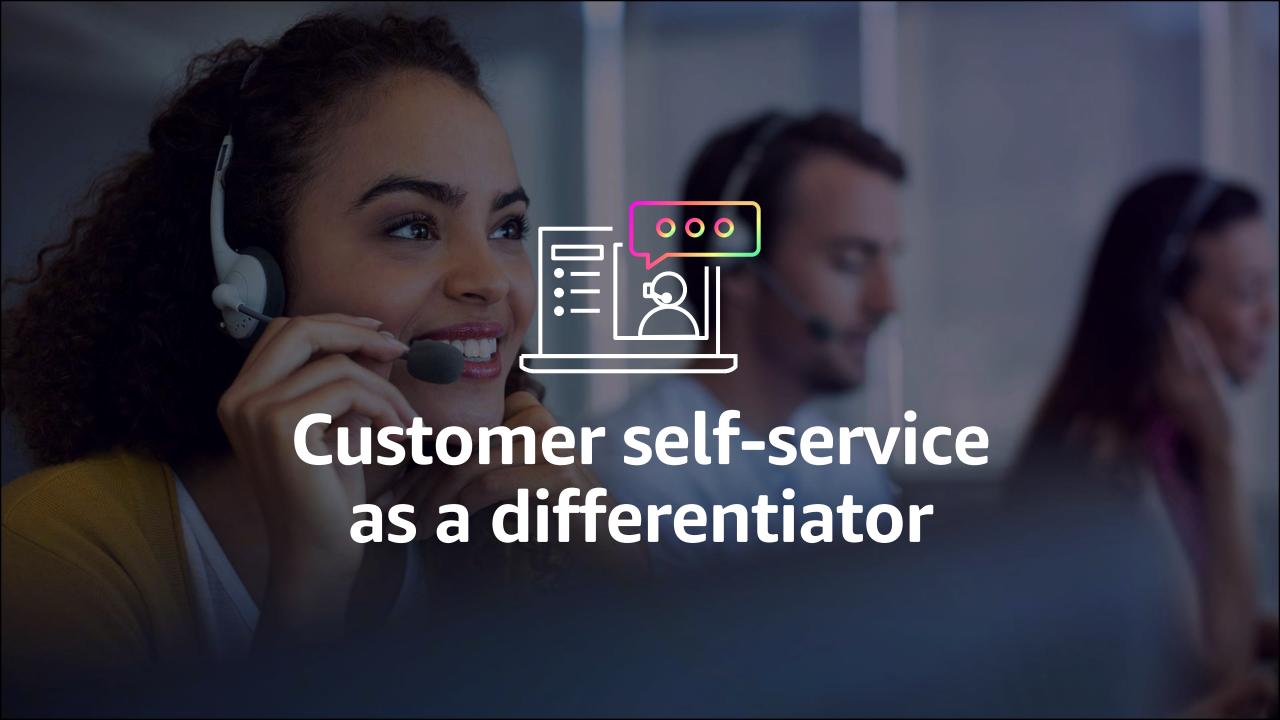


Company follows up for feedback



#### ...can be a mix of emotions

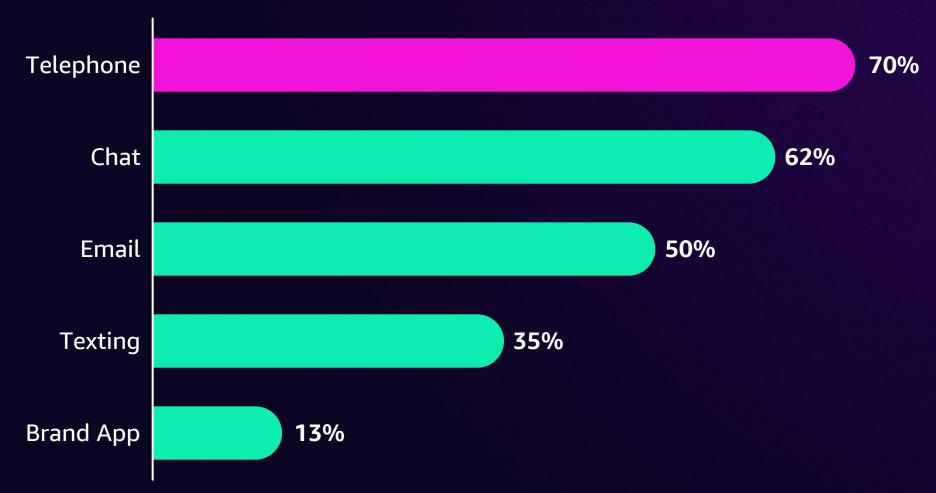






#### **Customers prefer phone support**

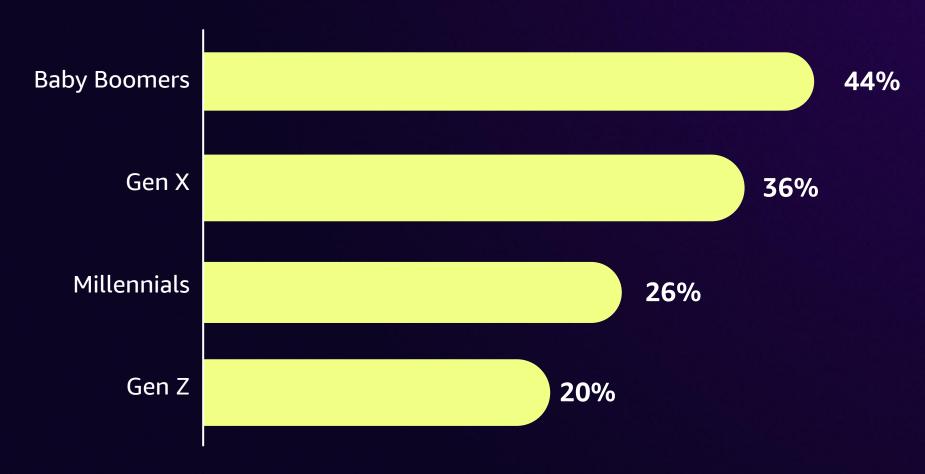
Preferred methods of communication for customers in 2024



Source: "Achieving Customer Amazement" study, Hyken, 2024 aws

#### Generations have different preferences

Percentage of people who prefer phone support as the number 1 method of communication







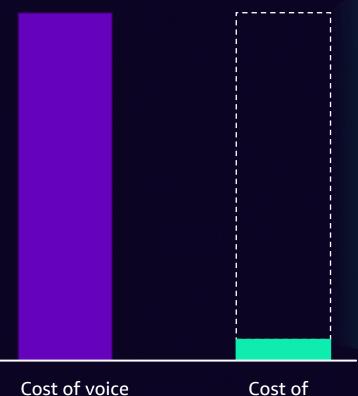
of customers in 2024 have stopped doing business with a company because self-service options were not provided

Source: "Achieving Customer Amazement" study, Hyken, 2024



#### Effective self-service can save millions

Interactive voice response (IVR) is 88-93% less expensive



Cost of voice Cost of contact with agent IVR contact

\$2-3M in cost savings for each percentage point of IVR containment

Source: McKinsey & Company

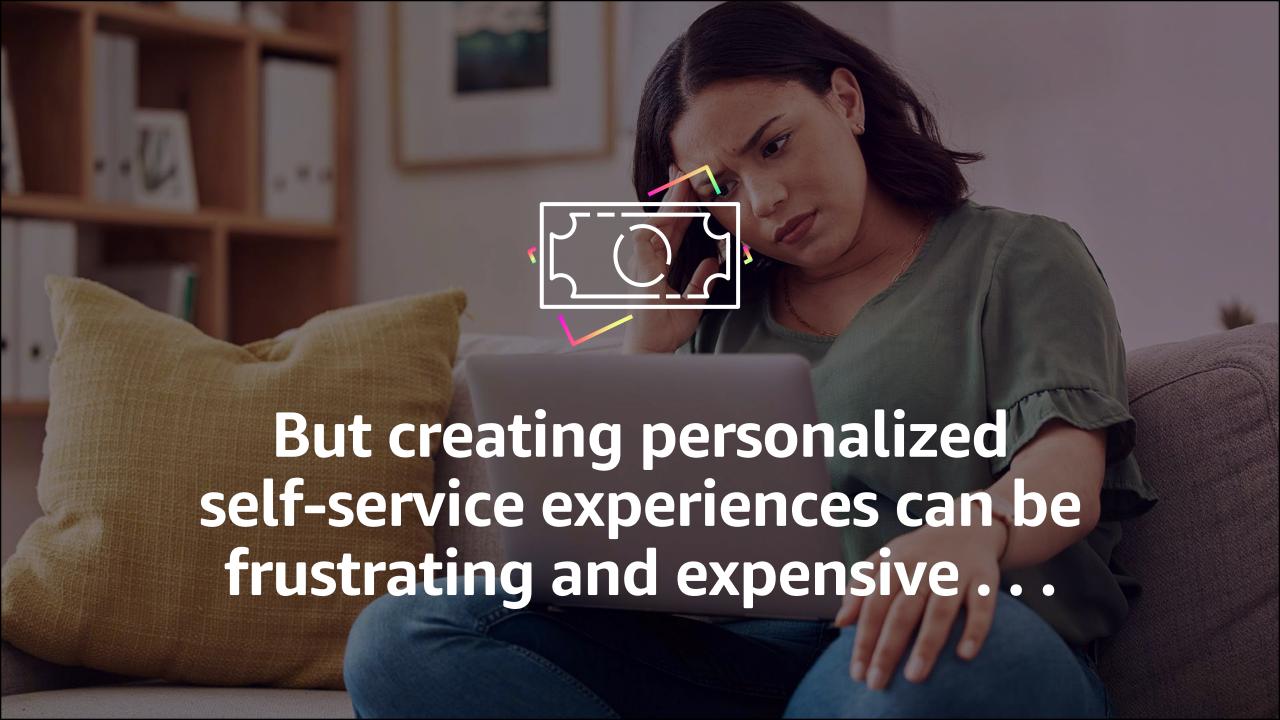


\$100M

in cost savings from North America bank by automating 50% of their calls

Source: ContactBabel





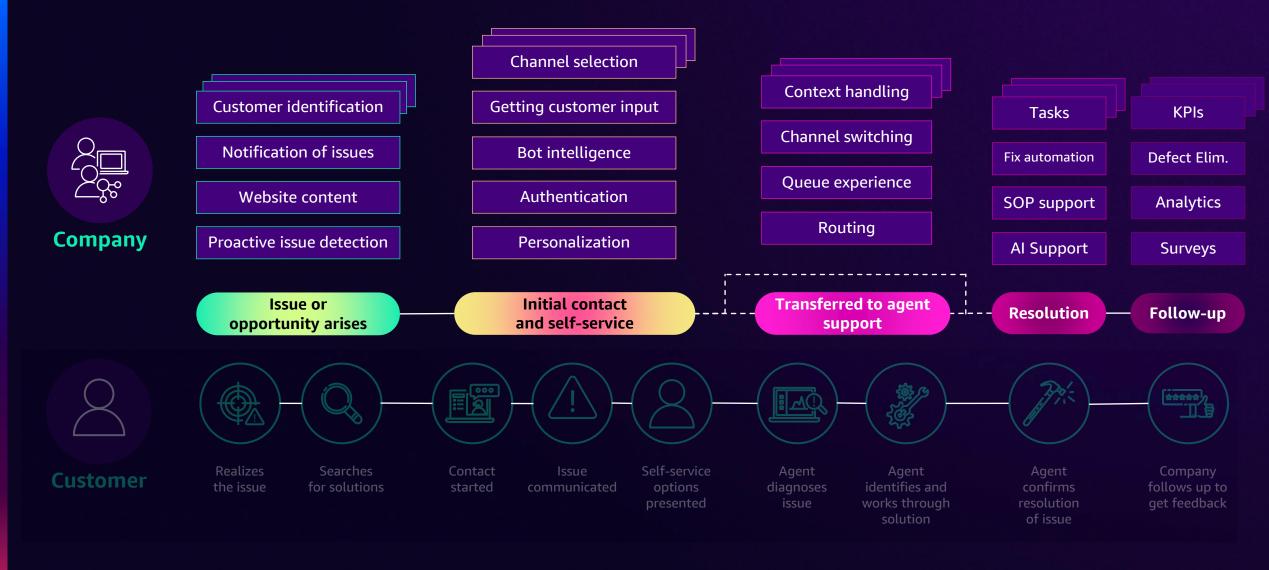
We are managing way too many applications. The amount of integrations and complexity is causing us to delay development and miss launch dates.

Senior technology leader

Financial services industry



#### Delivering self-service can be complex and complicated







#### **Amazon Connect differentiators**

ACCELERATE CX INNOVATION WITH AMAZON'S NATIVE CLOUD CONTACT CENTER

Deliver dynamic and personal automated customer experiences across all channels





Make real-world impact with Al at the heart of every interaction

Accelerate your innovation using simple, self-service UI



Scale to tens of thousands of agents



Drive continuous optimization with native analytics and insights

#### Pay only for what you use

Globally redundant telephony +30 providers, +110 inbound, and +230 outbound countries

Instant access to +200 fully featured AWS services

























































## Amazon Connect has tens of thousands of customers supporting more than 10 million contact center interactions a day

























































## Companies of all industries and sizes use Amazon Connect to deliver self-service and automation



















#### Companies of all industries and sizes use Amazon Connect to deliver self-service and automation





80% Telecomm customer

Financial Services

customer

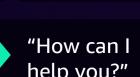
20% **Financial Services** customer





600

options



Telecomm customer









Speed of

"...changes that typically took 6-7 weeks on the legacy platform were done in a day"

Travel & Hospitality customer



#### Easily create self-service customer journeys





Outbound and proactive engagement



Omnichannel selfservice and automation



Step-by-step guides for issue resolution



Back-office process automation and tasks



**Built-in AI at the heart** of every interaction



#### Built-in capabilities to deliver self-service and automation

Outbound and proactive engagement

Omnichannel selfservice and automation

Step-by-step guides for issue resolution

Back-office process automation and tasks

Design the experience



Add personalization and automation







Leverage AI for better outcomes









Meet customers where they are









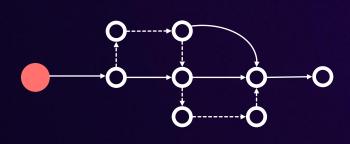


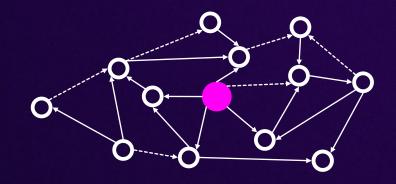




#### Figuring out what to automate (and how) can be tricky...







#### **Highly structured**

- Bill payment
- Password resets
- Prescription refills
- Booking changes

#### Mixed

- Returns / refunds
- Account changes
- | Warranty claims
- Document submissions

#### **Highly fluid**

- Outage support
- | Troubleshooting
- Complaint resolution
- Recommendations



#### **Introducing Terry**

- Has been a customer of AnyCompany Financial for 10 years
- Has a bill coming up that he wants to pay
- Just before his call, Terry received a targeted message about a change in credit score





## Make your assistants more human

- Latest text-to-speech model offering human-like, conversational voices
- Personalized greeting using Customer Profiles and other data

Hello Terry. Thank you for being a valued AnyCompany Financial member for the last 10 years.

I am Martha your virtual assistant!

I'm here to help you with things like card services, managing your funds, or answering your banking questions.







#### **Anticipate customer needs**

Tailored interaction based on customer's history and recent activities

Hello Terry. Thank you for being a valued AnyCompany Financial member for the last 10 years.



I am Martha your virtual assistant!

I'm here to help you with things like card services, managing your funds, or answering your banking questions.

It looks like you have a bill coming up, are you calling about paying this bill?







Hello Terry. Thank you for being a valued AnyCompany Financial member for the last 10 years.

I am Martha your virtual assistant!

I'm here to help you with things like card services, managing your funds, or answering your banking questions.

It looks like you have a bill coming up, are you calling about paying this bill?



Hi Martha. Yes, and I got this text about changes to my credit score and I wanted to know why that happened





## Disambiguation of multiple intents

- Ability to handle complex, multi-part customer queries
- | Contextual understanding of customer priorities



Hi Martha. Yes, and I got this text about changes to my credit score and I wanted to know why that happened

> Sure Terry! I'm happy to help you. First, let's get that bill paid so you don't have anything to worry about.









Hi Martha. Yes, and I got this text about changes to my credit score and I wanted to know why that happened

> Sure Terry! I'm happy to help you. First, let's get that bill paid so you don't have anything to worry about.



For your security, please say or press your PIN or your Account number.







## Meet the customer where they are

- Ease of use with natural language
- Allow touch-tone input to communicate sensitive information or increase accuracy in noisy environments



Hi Martha. Yes, and I got this text about changes to my credit score and I wanted to know why that happened

> Sure Terry! I'm happy to help you. First, let's get that bill paid so you don't have anything to worry about.



For your security, please say or press your PIN or your Account number.



1111 2222 3333 4444



Thanks for authenticating Terry!



Your current balance is \$292. Would you like to pay this with the account ending in 1234? This is the same account you used last time.





### Provide expected values in real time

- Use runtime hints to tell the model the values you're expecting the customer to say
- Retrieve complex values like names, addresses, and more, the first time

Your current balance is \$292. Would you like to pay this with the account ending in 1234? This is the same account you used last time.





No, can you actually use the account ending in 5678 today?





Your current balance is \$292. Would you like to pay this with the account ending in 1234? This is the same account you used last time.





No, can you actually use the account ending in 5678 today?

Sure, I can use that existing account. Would you like me to process the payment now using account 5678?







Sure, I can use that existing account. Would you like me to process the payment now using account 5678?





Actually, what is my APR? What happens if I only pay \$50?





### Meet the customer's needs, whenever they ask

- Use intent classification during conversation to meet your customer's needs
- Use previous context to make your experience smarter

Sure, I can use that existing account. Would you like me to process the payment now using account 5678?





Actually, what is my APR? What happens if I only pay \$50?

Your current APR is 15%. If you only pay \$50 dollars, you will meet the minimum required payment. This means you won't incur late fees, but the remaining balance of \$242 would be subject to interest charges.







Sure, I can use that existing account. Would you like me to process the payment now using account 5678?





Actually, what is my APR? What happens if I only pay \$50?

Your current APR is 15%. If you only pay \$50 dollars, you will meet the minimum required payment. This means you won't incur late fees, but the remaining balance of \$242 would be subject to interest charges.



Would you like to pay \$50, the full amount of \$292, or another amount?





Would you like to pay \$50, the full amount of \$292, or another amount?





I'll pay the full amount today.





Would you like to pay \$50, the full amount of \$292, or another amount?





I'll pay the full amount today.

So to confirm, you'd like me to pay the full amount of \$292 using account 5678, correct?







Yep—that's right!







#### Yep—that's right!

Great let me get that transfer started. This may take up to ten seconds. Please stay on the line for your confirmation.

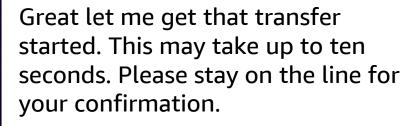








#### Yep—that's right!





I'm still working on that transfer. Please wait just a few more moments for your confirmation.







#### Yep—that's right!

# Keep customers engaged during fulfillment

- Keep customers engaged and updated during long-running processes
- Mask your existing backend long-running APIs with conversation

Great let me get that transfer started. This may take up to ten seconds. Please stay on the line for your confirmation.



I'm still working on that transfer. Please wait just a few more moments for your confirmation.

Your payment for \$292 has been completed. We have sent you a confirmation email to the address we have on file.





Earlier you mentioned wanting to learn more about changes to your credit score. Is now a good time to follow up on that?





### Amazon Q in Connect utilizes contextual information



Earlier you mentioned wanting to learn more about changes to your credit score. Is now a good time to follow up on that?



l wa wha

I wanted to know why my score changed and what that means for me



- Use of generative AI to create tailored, conversational responses
- Incorporates customer data from multiple sources in real-time
- Seamless transition from problemsolving to value-added services

Your credit score has improved by 50 points due to your history of on-time payments and lower credit utilization.



We know this is something you've been working on for a while, and I wanted to congratulate you on sticking to the financial plan you created earlier this year.



As a result, you're now eligible for our Platinum card. Would you like to sign up for this card?





# Amazon Q in Connect personalizes the conversation

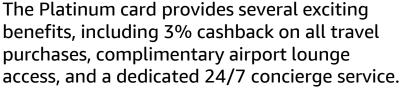


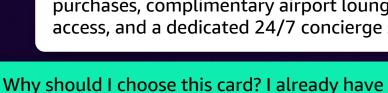
- | Seamless blending of product information with personalized insights
- Showcasing how AI can improve customer experience while driving business growth
- Customer information augments knowledge content

As a result, you're now eligible for our Platinum card. Would you like to sign up for this card?

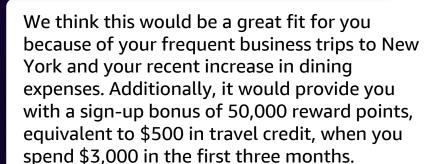


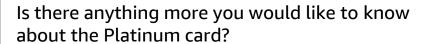
I would like to know more about the benefits.





your Silver card.















### **Multichannel conversations**

- Seamless transition between voice and digital channels
- Conclusion to the interaction, demonstrating how the system can handle call closure

Is there anything more you would like to know about the Platinum card?





Thanks for that. I'd like to sign up.



Let me send you a text to help get you started. If you want, I can stay on the line with you and help you walk through the experience.







No, I got it. Thanks!



It's been a pleasure helping you. Have a great day!



# Dynamic, human-like interactions deliver better outcomes and higher satisfaction



# Dynamic, human-like interactions deliver better outcomes and higher satisfaction





Issue or opportunity arises

Initial contact and self-service

Resolution

Follow-up

Human-like assistant interaction

Anticipation of customer's needs

Disambiguation of multiple intents

Provide expected values in real time

Meet the need, whenever it's asked

Keep the customer engaged

Utilize context and personalize the contact

Multichannel conversations









Enhance experiences with Amazon Q in Connect









Enhance experiences with Amazon Q in Connect







- Design and edit conversational self-service with simple tools
- Use step-by-step guides to resolve issues consistently
- Automate back-office tasks and processes



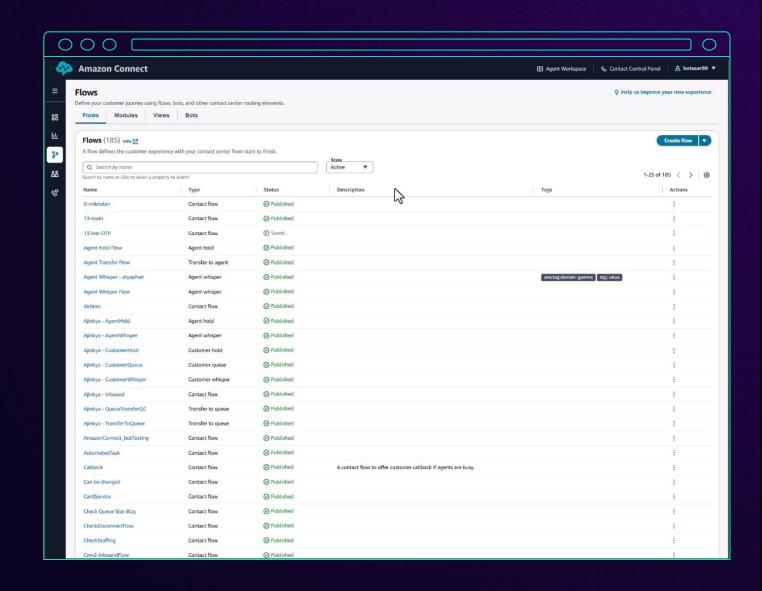
Create these experiences with the dragand-drop flow designer

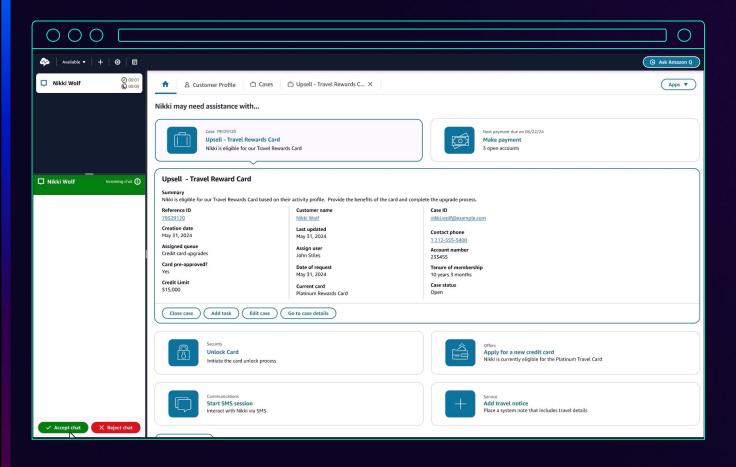




#### Design conversational selfservice with simple tools

- Easily create human-like self-service directly in Amazon Connect
- Automate conversations in 25+ languages
- Quickly edit and test to improve outcomes



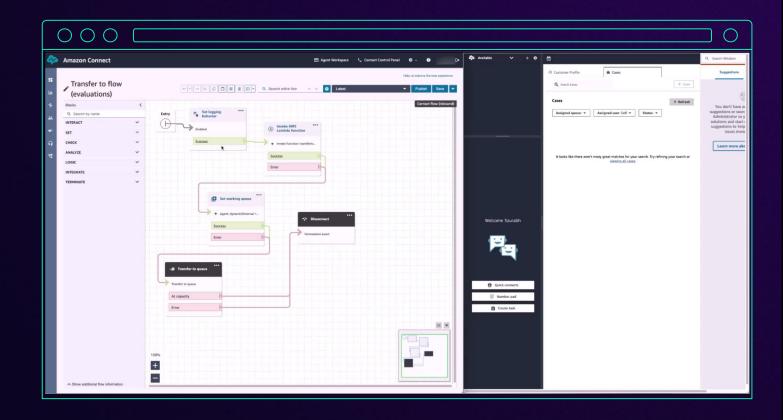


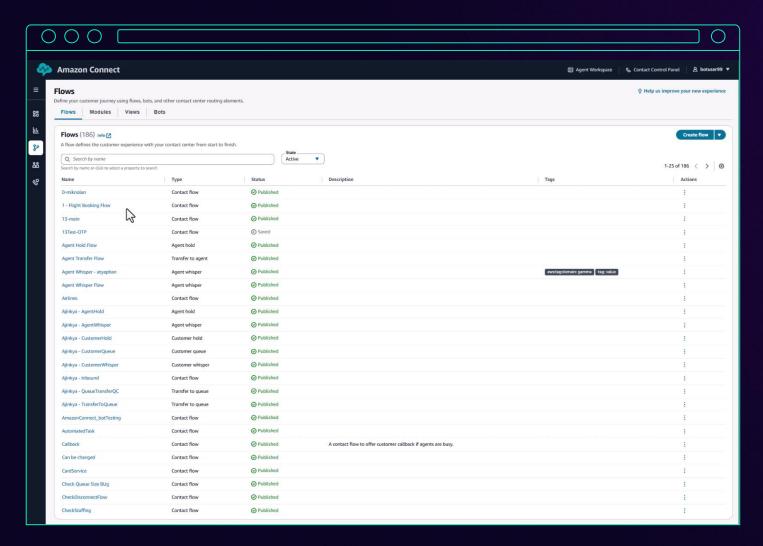
### Use step-by-step guides to resolve issues consistently

- Use visual workflows to standardize agent and customer issue handling
- Help agents reach issue resolution proficiency quicker

### Automate back-office tasks and processes

- | Easily route, track, and automate work
- Automatically generate tasks for agents and supervisors
- Track tasks to completion with realtime updates





Update

### Create experiences with the flow designer

- Build omnichannel self-service with a drag-and-drop interface
- Personalize experiences using native capabilities
- Easily integrate with 3P applications
- Make updates in minutes







Enhance experiences with Amazon Q in Connect









Enhance experiences with Amazon Q in Connect

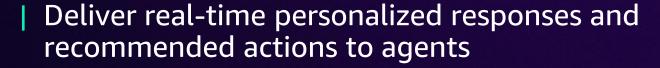






# Amazon Q in Connect is your generative Al assistant for customer service



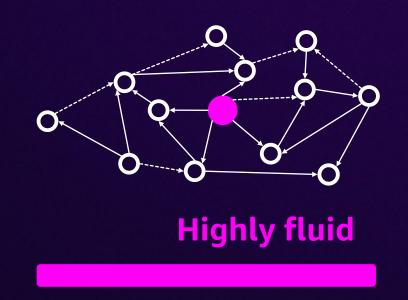




Customize AI prompts and configure guardrails to modify Q in Connect's behavior, tone, and content access for secure, responsible deployment

#### When is generative AI most helpful for self-service?

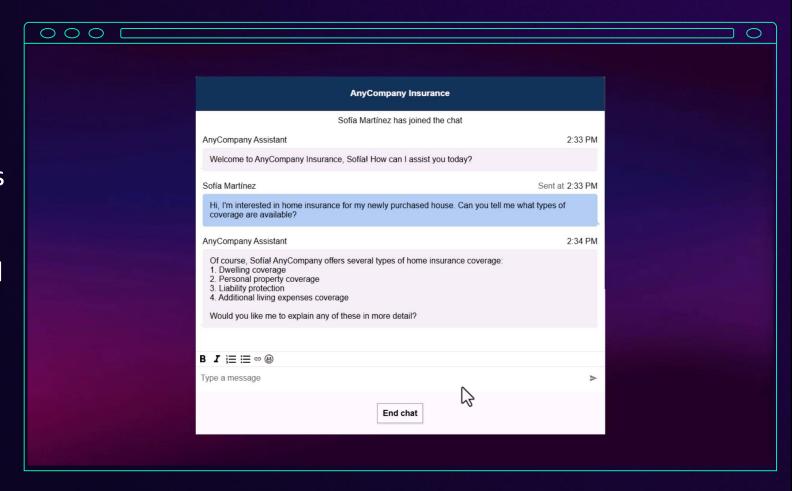
- Disambiguate complex customer issues
- Leverage contextual information to provide more accurate answers and actions
- Tailor personalized responses and recommendations based on the customer's needs and history



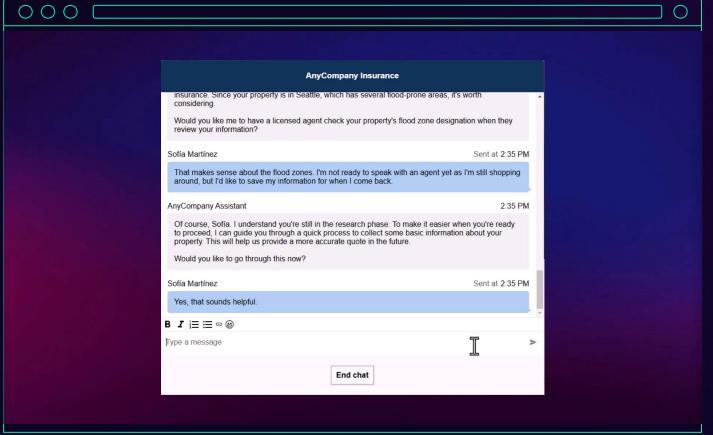


#### Self-service Q&A

- Provide customers dynamic answers generated from knowledge bases
- Provide personalized answers based on contextual data and customer history
- Support multi-turn back and forth conversations





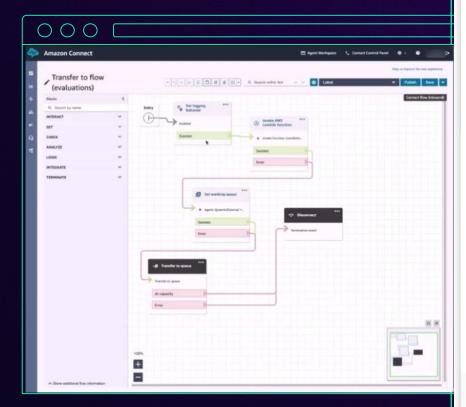


### Recommend step-by-step guides to customers

- Provide actions to customer to take via step-by-step guide
- Build UI workflows in Amazon Connect for all personas using the same flow designer
- Safeguard generative AI with predefined workflows

#### **Drive automation with a** human in the loop

- Use the same flows to power automation
- Have Amazon Q in Connect select and complete actions
- Let customers Verify and Confirm first



# **MyRides**

half the daily rate, plus \$0.01 for weekly rentals. If your return is delayed due to a flight or other extenuating circumstances, you should contact the specific return location to discuss your options. MyRides also offers membership programs that can help you avoid late return fees.

Anything else you need help



Type a message

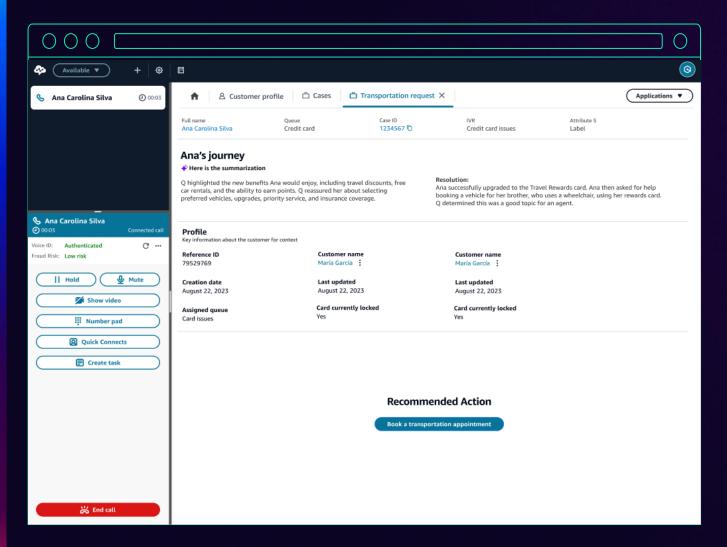
RiderBot

with?

End



1:42 PM



### Seamless transitions to agents

- Automatically escalate to customer service agents if necessary
- Provide agents with a summary of the self-service engagement
- Provide agents with a recommended next-best action at the start of the contact

#### **Customizing Amazon Q in Connect**



#### Al agent

- Configure end-to-end functionality
- Associate prompts, knowledge bases, and guardrails
- Segment by persona or line of business



#### Al prompt

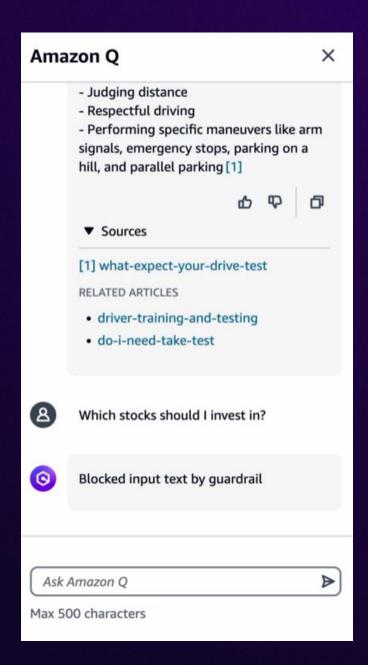
- Customize instructions to the LLM
- Control answer generation, action recommendation, action execution
- Personalize responses based on contextual and customer information

#### **Customizing Amazon Q in Connect**

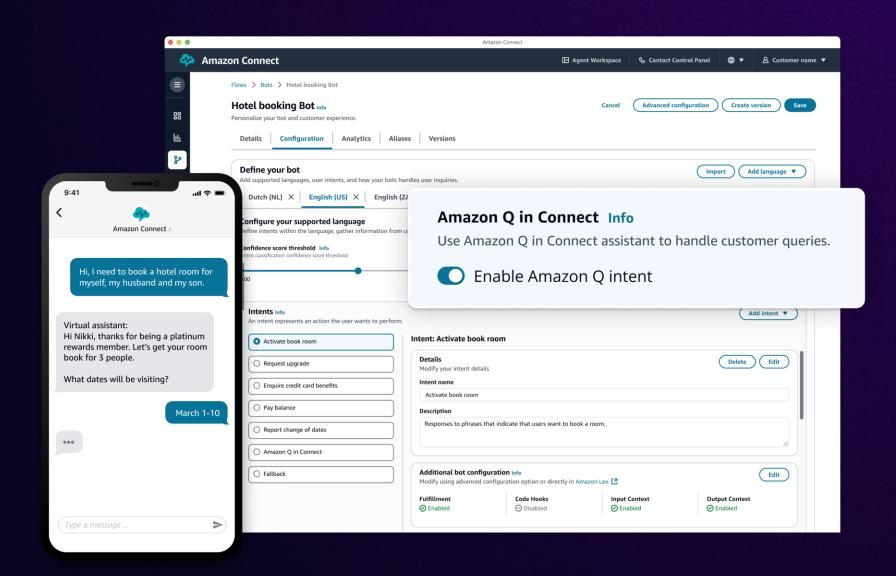


#### AI guardrails

- Block undesirable topics
- Filter harmful and inappropriate content and words
- Redact sensitive information (PII)
- Detect hallucinations in model responses using contextual grounding checks



# Enable Q in your self-service









Enhance experiences with Amazon Q in Connect









Enhance experiences with Amazon Q in Connect





- Contact Lens dashboard and analytics for:
  - Self-service and automation flows and tasks
- New Al-powered self-service interactions
- New | Deep dive conversation performance
- New | Record and review IVR interactions

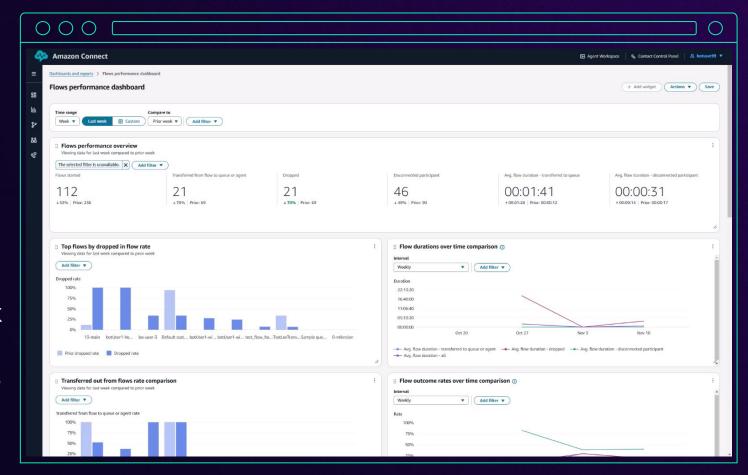


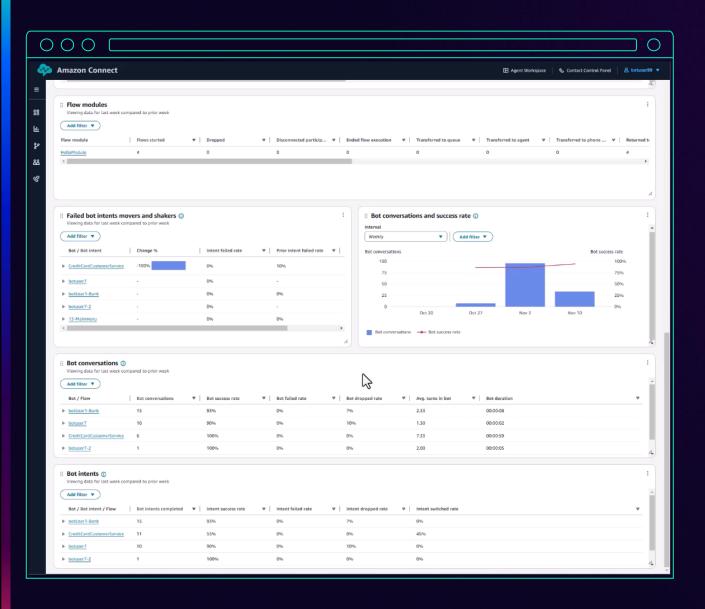
### Contact Lens dashboards and aggregated analytics

Analyze usage and outcomes of your flows-powered experiences

#### New

At-a-glance AI performance for quick identification of failures, usage patterns, and conversation outcomes





New

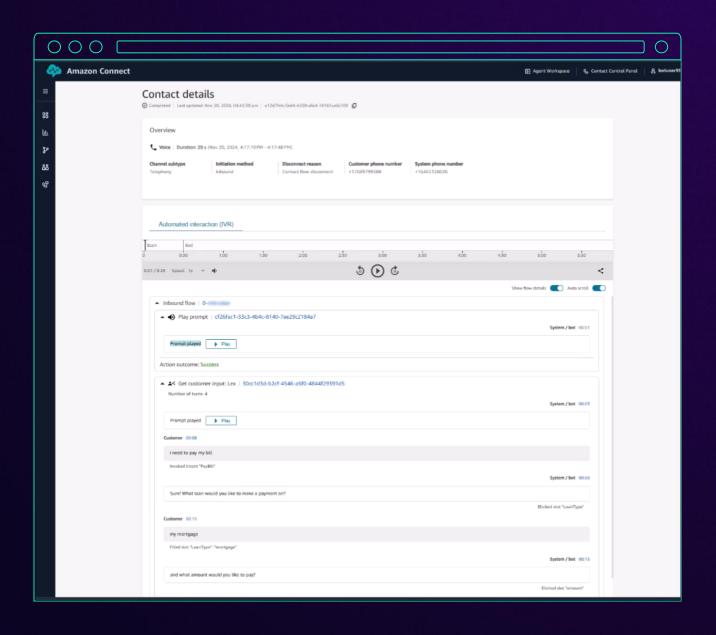
### Deep dive conversation performance

- Identify the most common issues customers contact about
- Review how successful self-service is at resolution
- Explore individual conversations and easily identify areas of improvement



### Record and review IVR interactions

- Record audio during voice interactions
- Listen to the interaction and review logs in the Contact details page
- Record interactions for compliance or optimization purposes











Enhance experiences with Amazon Q in Connect





#### **Amazon Connect**

#### One application. One seamless experience.

TENS OF THOUSANDS OF CUSTOMERS MORE THAN 10 MILLION CONTACT CENTER INTERACTIONS A DAY

USED BY +100,000 AMAZON
CUSTOMER SERVICE ASSOCIATES



#### Register to join us Tuesday evening!

re: Invent

CUSTOMER EXPERIENCE NETWORKING RECEPTION

Tuesday, December 3 | 6–9PM PST Mayfair Supper Club, Bellagio 3600 S Las Vegas Blvd., Las Vegas, NV 89109



# Thank you!

#### **Keith Ramsdell**

Principal Product Manager LinkedIn:





Please complete the session survey in the mobile app

#### **Jack Hutton**

Principal Product Manager LinkedIn:



