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CES + Five9 for Amex Overview







April 1st , 2025





Pre-Workshop Sessions (virtual)

These sessions will be recorded and shared with the team to work around everyone's calendars.

An Introduction to core Five9 CCaaS Components (March 21st) [60 mins]

- Contact Routing
- WEM
- Outbound Dialer
- Agent Workspace
- Call recording

CES: Speech (STT, TTS, Voices) and GenAl foundations initiatives (March 27th) [60 mins]

Review key customer and agent facing Al features

CES + Five9 for Amex - Overview (April 1st) [60 mins]

Agenda Tuesday April 1st (EDT) - Remote

	Time	Session Title	Duration	Overview
1	10:55 - 11:00		5 min	Arrivals
	11:00 - 11:05	Kick-off & Google Welcome	5 min	Lily Britt Gloria Vargas
2	11:05 - 11:20	Vision for American Express' next generation cloud + Al first solution	15 min	Tomás Coyne
3	11:20 - 11:35	Overview of the key technical components of the solution	15 min	David Paine
4	11:35 - 11:50	Accelerating Transformation with Syndeo	15 min	Oliver Lennon
	11:50 - 12:00	Next Sessions & Workshop Details	10 min	Lily Britt Derek Bakker



Building a next generation cloud solution

What We Heard: Priorities for Transformation

Tomás

Enterprise grade and globally scalable in line with American Express' global footprint

Adheres to and is in line with your approved corporate data & cloud strategy

Modular solution - no single vendor lock-in preventing you from innovating



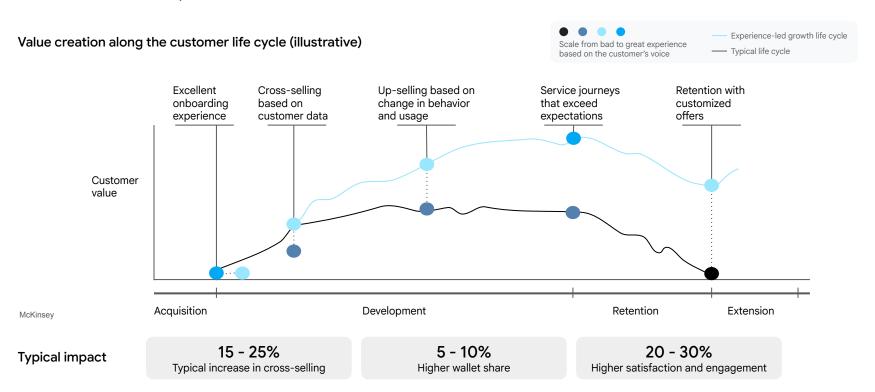
Co-teamed innovation -American Express & Google will co-create products

Google's \$75bn investment in Al infrastructure outpacing any other vendor

Highly strategic relationship between American Express & Google



EXPERIENCE-LED GROWTH STRATEGIES BOOST ENGAGEMENT, SATISFACTION, AND RETENTION





THE CURRENT STATE PROHIBITS AMERICAN EXPRESS FROM CONSISTENTLY PROVIDING HIGH-QUALITY CUSTOMER EXPERIENCES

SITUATION

Complex infrastructure that prevents American Express from modernizing its customer and agent experiences without significant toil, time, and, cost

Based on end-of-life Genesys Engage and Nuance voice recognition technology. These legacy, on-premise, technologies include (but not limited to):

- Genesys GAAP
- Nuance Recognizer
- Nuance Vocalizer
- Nuance Gatekeeper
- Genesys Workspace Desktop Edition (WDE)
- Genesys WFM (highly customized)
- GVP, Outbound Dialler and Routing/IRD

IMPACT



Outdated Technology Stack



Legacy Business Logic



Lack of Customer + Agent Insights



Customer Data Fragmentation



Omnichannel Execution





THE VISION: AN AI-POWERED, CLOUD-NATIVE FUTURE THAT ALLOWS

AMERICAN EXPRESS TO INNOVATE AT ITS OWN PACE









Best of breed solutions

Built with best-of-breed components and providers, designed to meet American Express' specific needs and the ability to enhance capabilities with Generative AI as and when required.

Surrounded by Google Al

Ensuring continuous investment and advancement. We provide cutting-edge Al capabilities from day one and a future-proof foundation for ongoing innovation and evolution – directly from the vendor who owns the Al capability.

A De-Risked Approach

A commitment to transform away from current architecture with a de-risked approach, that minimizes disruption and allows American Express to innovate at at their pace

Global Scalability

A globally scalable platform that aligns with American Express' data strategy, providing the security, compliance, and flexibility needed to support operations across the globe



Your Vision: Provide the world's best customer experience every day.

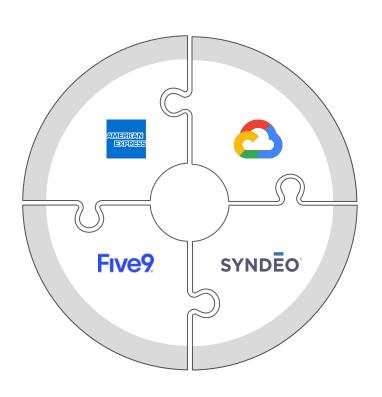
Backing Our Customers | Backing Our Colleagues | Backing Our Communities





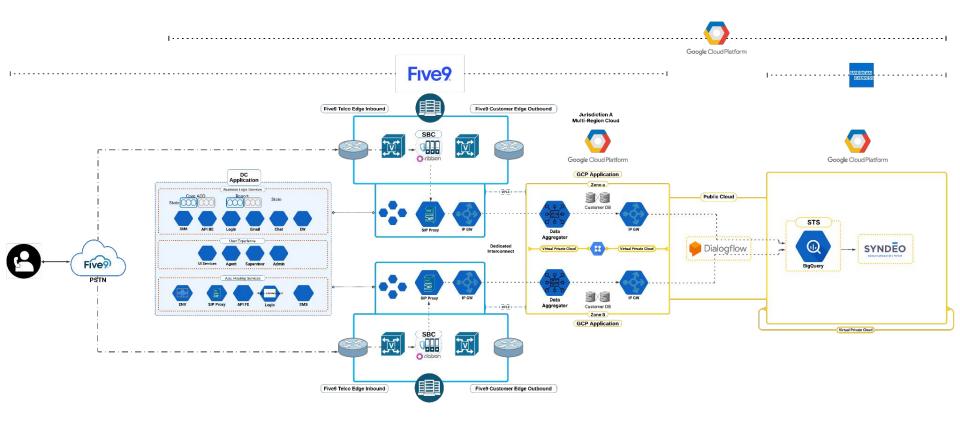


MODERNIZING AMERICAN EXPRESS' ENGAGEMENT PLATFORM BY TRANSITIONING TO A NEXT-GENERATION CLOUD SOLUTION



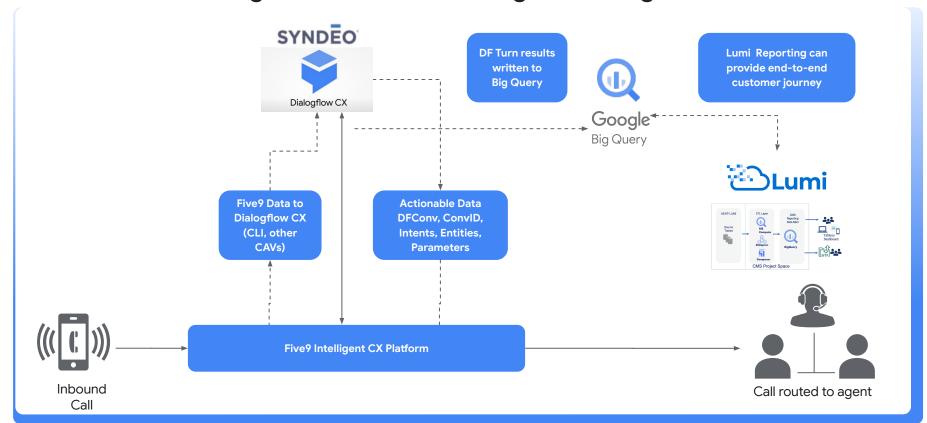
- Accelerated and low risk move to the Cloud months rather than years to move
 American Express' existing "as is" IVR and core contact center into Google's Customer
 Engagement Suite (CES) with Syndeo and Five9.
- Conversational AI at Scale replacing Genesys & Nuance IVR with Google's diverse and broad portfolio of AI models, tools, and services to deliver AI agents and applications.
- Agentic Al Experiences build agentic experiences rapidly using while leveraging existing data and integrations, built during the Darwin project
- Cloud Resilience & Scalability Five9's global CCaaS infrastructure natively operates
 within Google's world class compute availability layer and is engineered for global
 scale, ensuring operational continuity and cost efficiency.
- Enterprise 360 Customer View the only provider that allows American Express to know more about their card members before they engage, while they engage, and after they engage to drive hyper-personalization
- Real-time Data & Analytics that is tightly integrated with American Express' Lumi
 data strategy and enables rich data insights, improving decision-making and
 optimizing customer and agent experience.
- Alignment with Corporate Strategy a Google cloud solution aligned to the approved American Express cloud and data governance blueprints.

FIVE9 DIRECT GOOGLE ARCHITECTURE



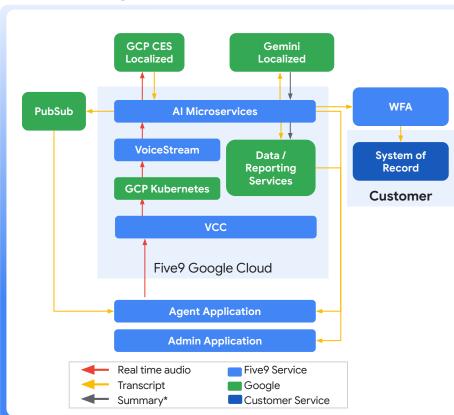
Five9 Direct Google Conversational Agents Integration





Five9 Agent Assist Architecture





Five9 Services

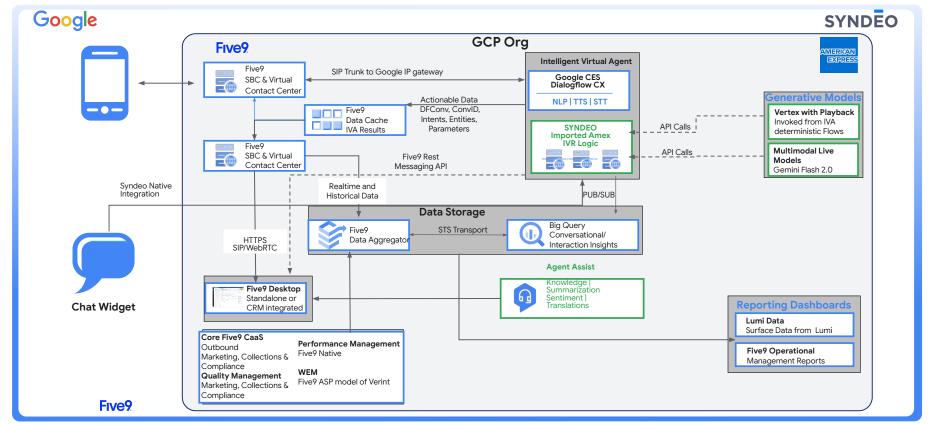
- Admin Application: configure Agent Assist and view dashboard/transcripts (i.e. Admin UI)
- Agent Application: manage how the agent interacts with the product (i.e. Agent Desk Plus, Agent Desktop Toolkit, Agent Assist)
- VCC: Five9 core CCaaS solution
- VoiceStream: Enable ability to stream real time audio
- Al Microservices: run algorithms, manage back-end processes, ingest and trigger actions for other applications
- WFA (workflow automation): send transcription or summary to an outside solution e.g. CRM, GCP (optional)

Google

- Google CES (Customer Engagement Suite): Convert speech to text to generate transcript and perform intent detection for NLP use case (Agent Assist Advanced)
- Google Gemini Services: Generate LLM summary of call transcript
- Google Kubernetes: Orchestration system for automating software deployment, scaling, and management
- Data / Reporting Services: Data warehouse and Agent Assist reporting capabilities built on Google BigQuery, Google Datastore and Looker. Transcripts retained for 60 days.
- PubSub: Push information (guidance, summaries, call controls) to the agent UI in real-time (data stored for 60 secs for reliability purposes, deleted afterwards)

Software Component Architecture







Amex VR Transformation and **Acceleration**

Modernize With Iva Cloud Accelerator

From Legacy To Responsible Agentic Al



Modernize

Extract Amex GAAP definitions from Genesys Engage – import into Syndeo on GCP

Remove Dependency On Genesys



Enhance

Immediate access to the best-in-class CES Speech (STT, TTS, Voices) AND chat and omnichannel

Remove Dependency On Nuance

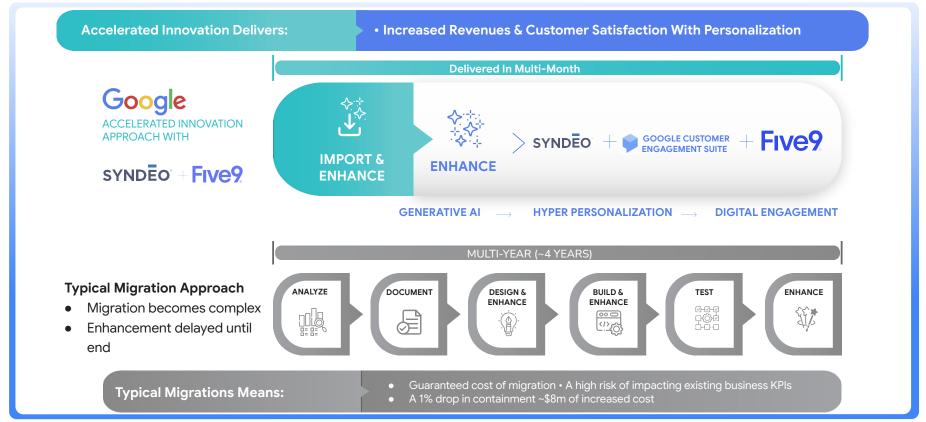


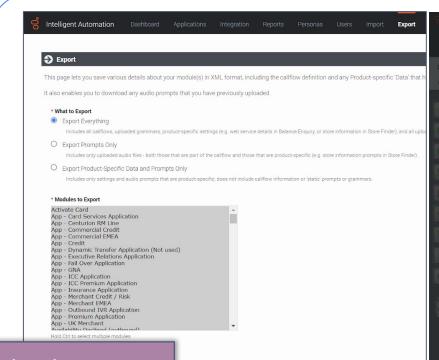
Extend

Blend deterministic with generative agents to deliver innovation at a pace controlled by Amex

Provide A Pathway For Responsible Agentic Al

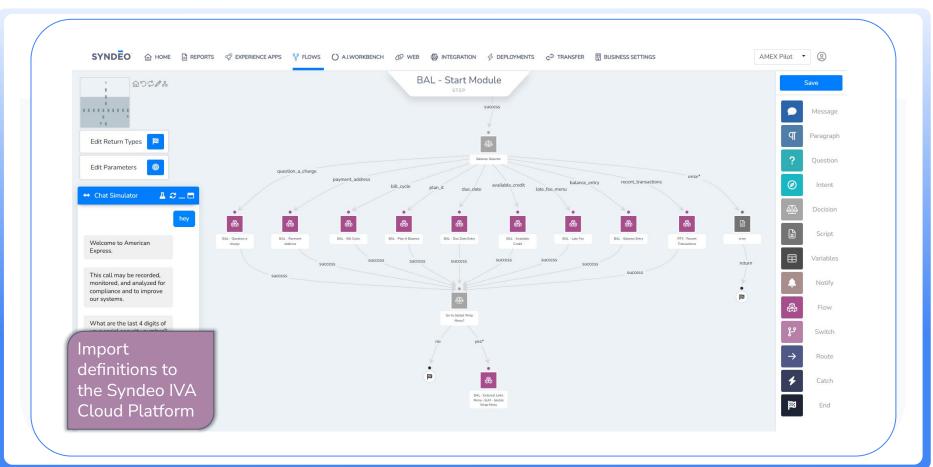
Innovation Approach VS Typical Migration

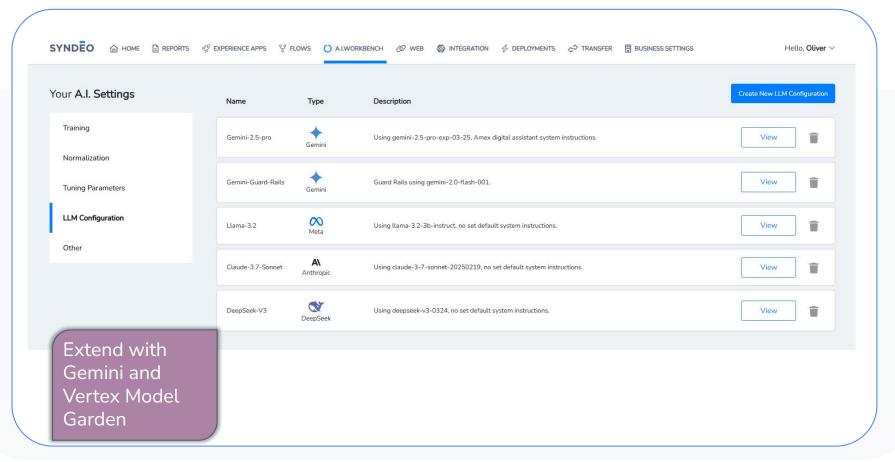


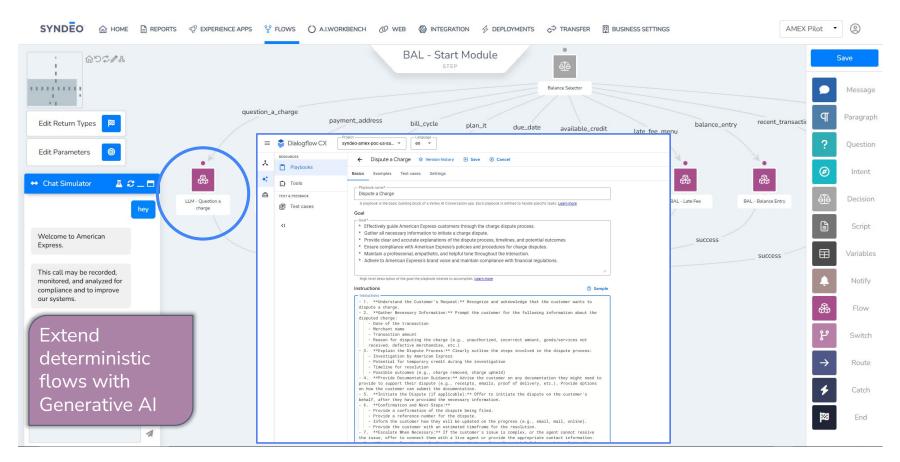


Invoke edit title Add Description Preferences Unit Tests Switch script type Complex script > def url; if(env == 'e1' || env == 'E1') url = 'https://vruspayment-dev.aexp.com/voice/payment/vl/paymentHistory'; else if(env == 'e2' || env == 'E2') if(cardNumber.equals('371726645523003')){ url = 'http://ivrapp1330-vip.phx.aexp.com/voice/Web/us-com-20230808VX/data else if(cardNumber.equals('372284272464009') || cardNumber.equals('372738229833004') || context.qet context.logError("inside flat file"); Update Cancel

Extract definitions from Genesys Engage – GAAP







CLOSE & COMMITMENT



Tomás





Google Cloud | FIVE 9

Continued Partnership

Represents a compelling opportunity to bring together the best of over 60 years of credit card and payments leadership along with best of breed technology and an unparalleled history in innovation to redefine the credit card industry.

Expand leadership in the Premium Consumer Space

American Express can continue to innovate safely and securely. handle scale and resiliency efficiently, quickly evolve to proactive understanding of customer needs and be well positioned to be the most innovative service provider in the FSI industry.

Establish a culture of Al innovation

Google can enable American Express with development & technology agility expertise, delivering value through product incubation, training, feedback, marketing etc.

Completed: Pre-Workshop Sessions

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CES + Five9 feature and technical Overview (April 1st) [60 mins]



Upcoming Workshops







Agenda Wednesday April 16th, 2025 (PST)

Time	Session Title	Duration	Overview
8:45 - 09:00			Arrivals & Beverages
09:00 - 09:15	Kick-off and Introductions	15 min	Google Ivan Fernandez - Payments FSM Google Lily Britt - Account Executive & Gloria Vargas, Al Specialist
09:15 - 09:30	Voice of Customer	15 min	American Express Adrianna Bailey, SVP Technology American Express Ian Tomlinson, VP Prod Dev
9:30 - 10:00	A vision for Al-powered CX at American Express	30 min	Google Tomás Coyne*
10:00 - 10:30	Why Google Al?	45 min	Google Deepmind
10:30 - 11:00	CES Roadmap @ Google Cloud	45 min	Google AA PM
		11:30 - 12:45: Break	·
12:45 - 1:30	Showcase: Next generation Customer Journey	45 min	Google CES + Five9 + Syndeo
1:30 - 2:00	Showcase: Enabling Hyper-Personalization	30 min	Google Applied Al Engineering Team
2:00 - 2:45	Spotlight: De-risking your migration from Genesys Engage with Syndeo	45 min	Syndeo Oliver Lennon, CEO
		2:45 - 3:00: Break	D
3:00- 4:00	Target State Design Review	45 min	Google Applied Al Engineering Team, Hamidou Dia and team
4:00- 4:30	Recap & Day 2 Plan	30 min	Google Five9 Syndeo
		Dinner 5:00 - 7:00	·

Agenda Thursday April 17th, 2025 (PST)

Time	Session Title	Duration	Overview
8:45 - 09:00			Arrivals & Beverages
09:00 - 09:15	Kick-off & Five9 Welcome	15 min	Five9 Derek Baker - Account Executive Google Lily Britt - Account Executive
09:15 - 09:30	Recap of Day 1 & Voice of the Customer for CCaaS	15 min	American Express Adrianna Bailey, SVP Technology American Express Ian Tomlinson, VP Prod Dev
9:30 - 10:30	Five9 - Platform Overview	60 min	Five9 Executive PM
10:30 - 11:15	Five9 - Partnership with Google	45 min	Five9 Executive PM
11:15 - 12:00	Migration Showcase #1: Enabling Contextual, Consistent, and, Hyper Personalized experiences	45 min	Five9 Executive PM
		12:00 - 12:45: Bre	ak 2
12:45 - 1:30	Migration Showcase #2: Equipping agents with tooling to drive efficiency, quality, and, customer satisfaction	45 min	Five9 Executive PM
1:30 - 2:15	Migration Showcase #3: Full management and Reporting suite with WEM, observability, and, analytics	45 min	Five9 Executive PM
2:15 - 3:00	Migration Showcase #4: True geographic resiliency with automated, real-time failover across cloud regions	45 min	Five9 Executive PM
		3:00 - 4:00: Bre	pak
3:00- 3:45	Migration Showcase #5: Robust, enterprise grade security, scalability, and, reliability	45 min	Five9 Executive PM
4:00- 4:30	Path to Production for American Express	30 min	Google CCAI CE Team

Thank you!







