

Seamless Customer Service with Amazon Connect and Alexa, using Al / ML

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### Key Takeaways

- What is Amazon Connect.
- What are AI/ML services on AWS.
- How to utilise these services with Amazon Connect.
- How to integrate Amazon Neptune for data driven decisions on Amazon Connect.





## Amazon Connect



Simple to use, omnichannel cloud contact center

#### Amazon Customer Service supports...

Amazon strives to be earth's most customer centric company





Millions of customers

Dozens of languages

countries

Over 70,000 Customer Service Associates



### So we built it





### Amazon Connect



Easy to use, omnichannel cloud-based contact center service that scales to support businesses of any size

The fastest path to customer service innovation



Skills-based contact routing



Voice & chat recording



Real-time and historical analytics



High-quality voice capability

#### Service Architecture:

Multi-Tenant across multiple availability zones connected through low latency links

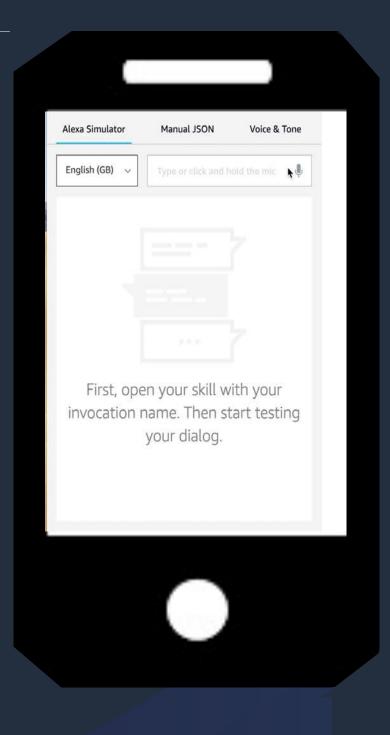
#### Telephony Architecture:

Host toll-free and direct dial numbers (DID) on our managed network of carriers

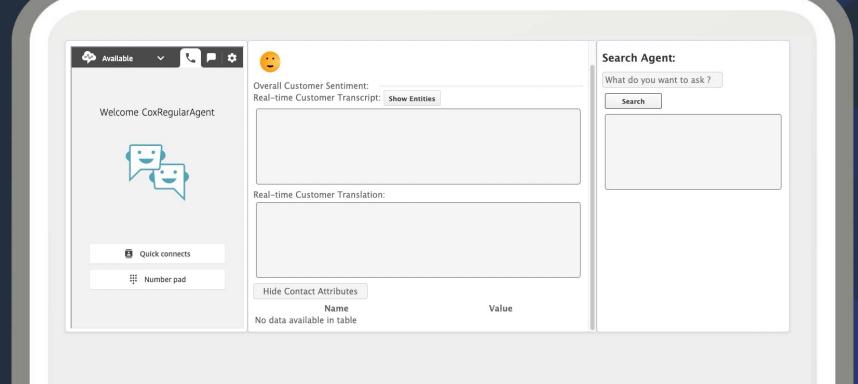


## Demol



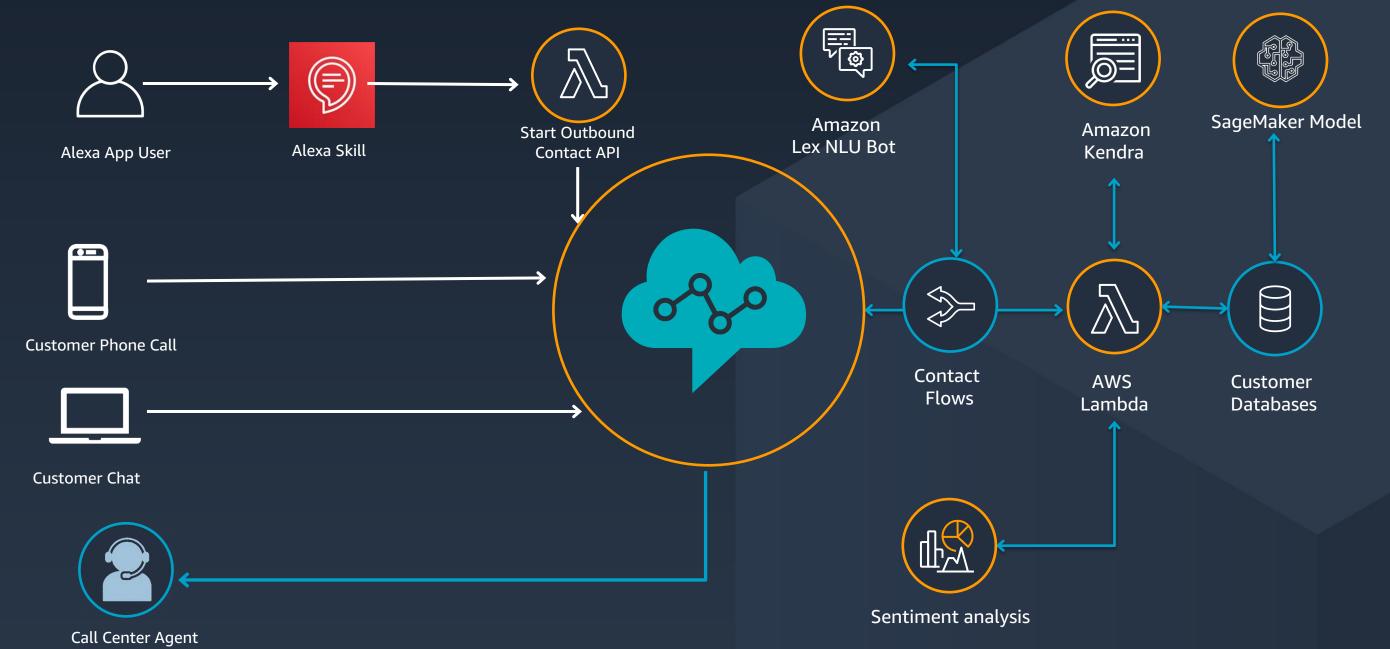








### Demo I Architecture





#### Business Drivers

### Knowledge of New Customer

Interactive IVR

- Dynamic Prompting and Natural Language Understanding
- 2. Ability to capture, store, and process information in real time
  - 3. Dynamic Routing Capabilities

## Knowledge of Existing Customer Base

Gain insights about our customers in order to create unique and correlative personas

- Customer Satisfaction/ Churn
- 2. Customer Purchases
  - Customer Size(Purchasing Power/ Needs)

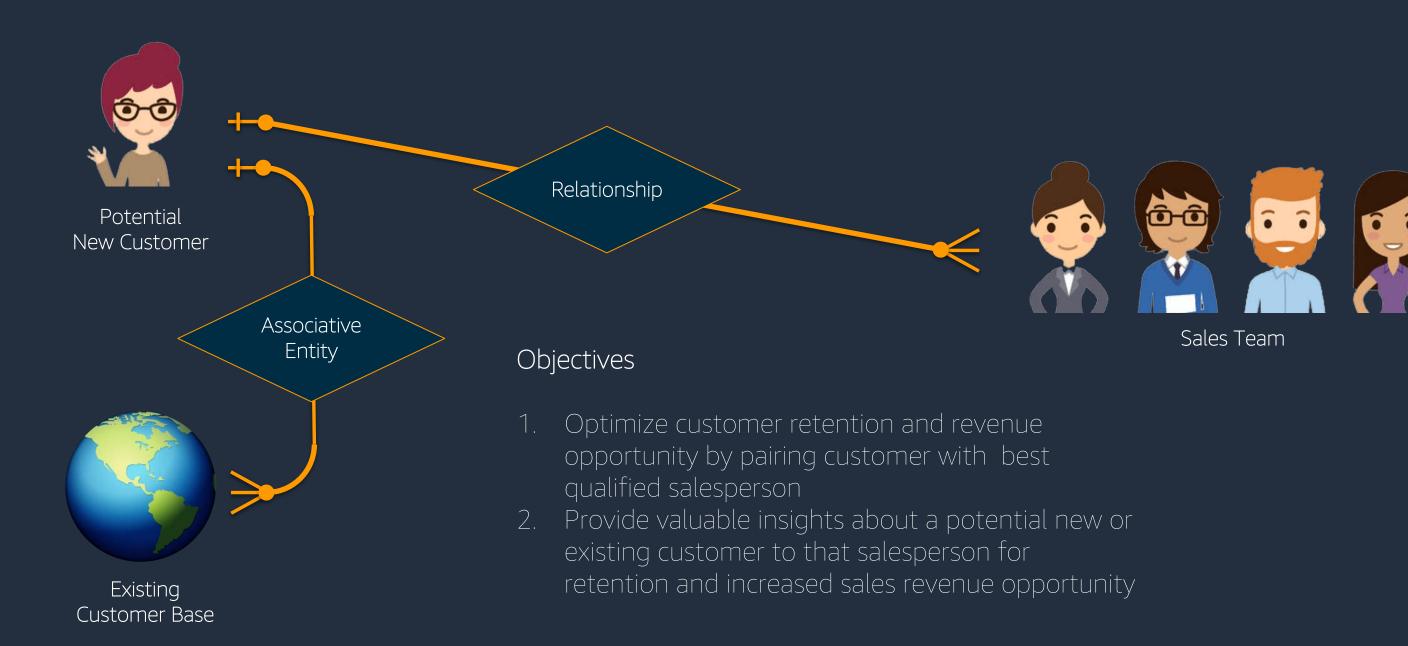
## Knowledge of Individual Sales Agent

Dynamic and data driven personas for each sales associate

- 1. Sales Revenue Attainment
- 2. CSAT Scores/ Sentiment
- 3. Product Area Expertise



### Visualization of Demo



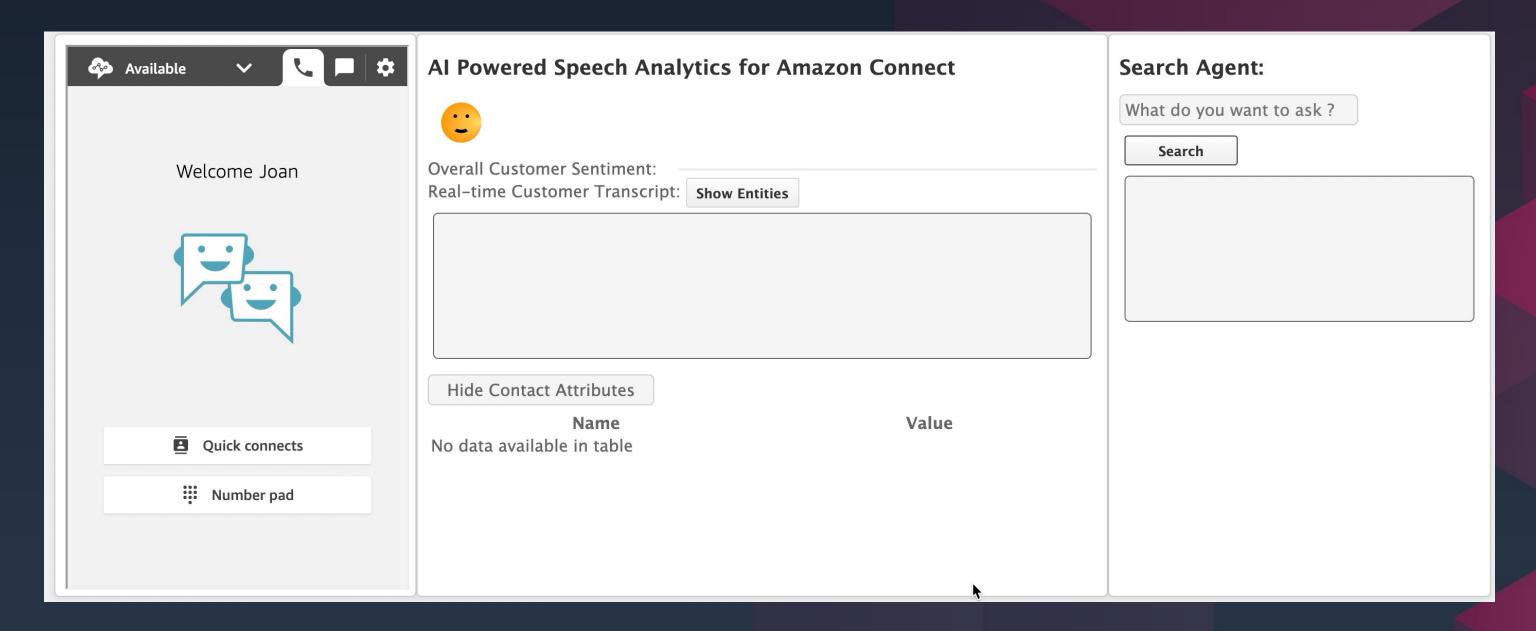


# Demo II



### Optimized Sales Demo

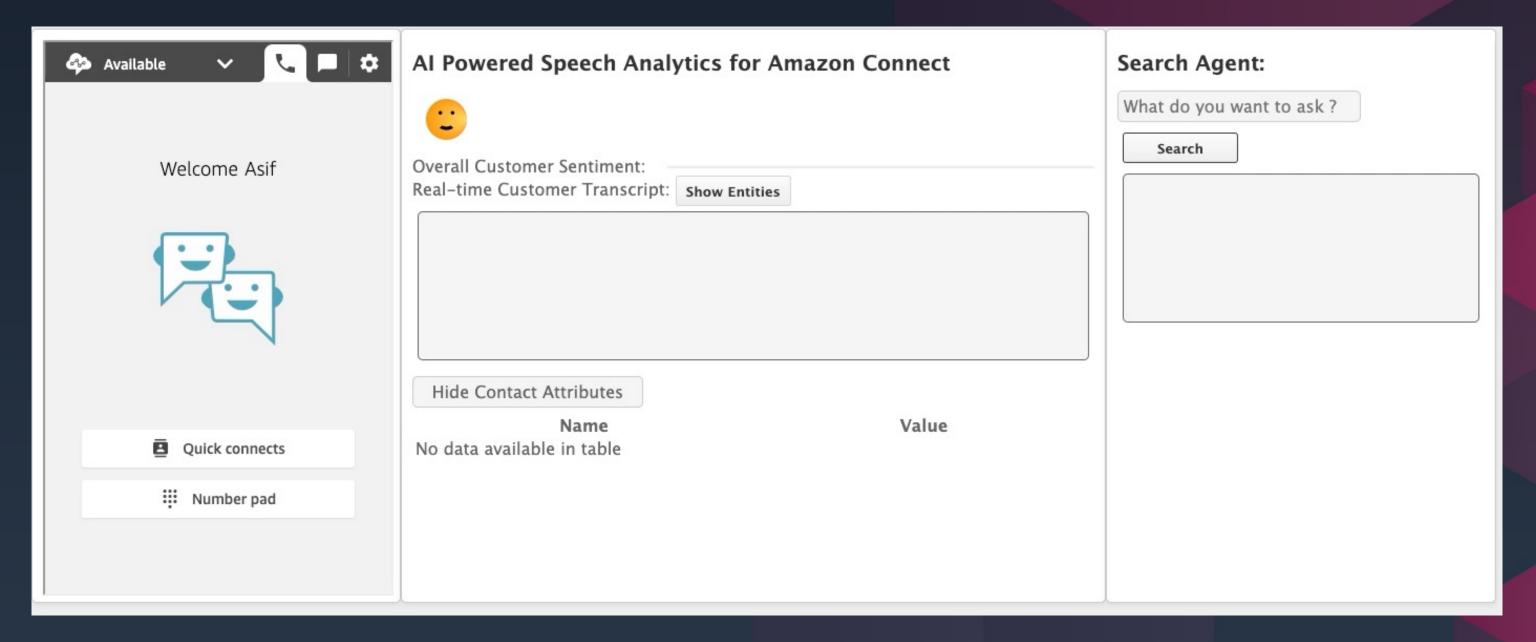






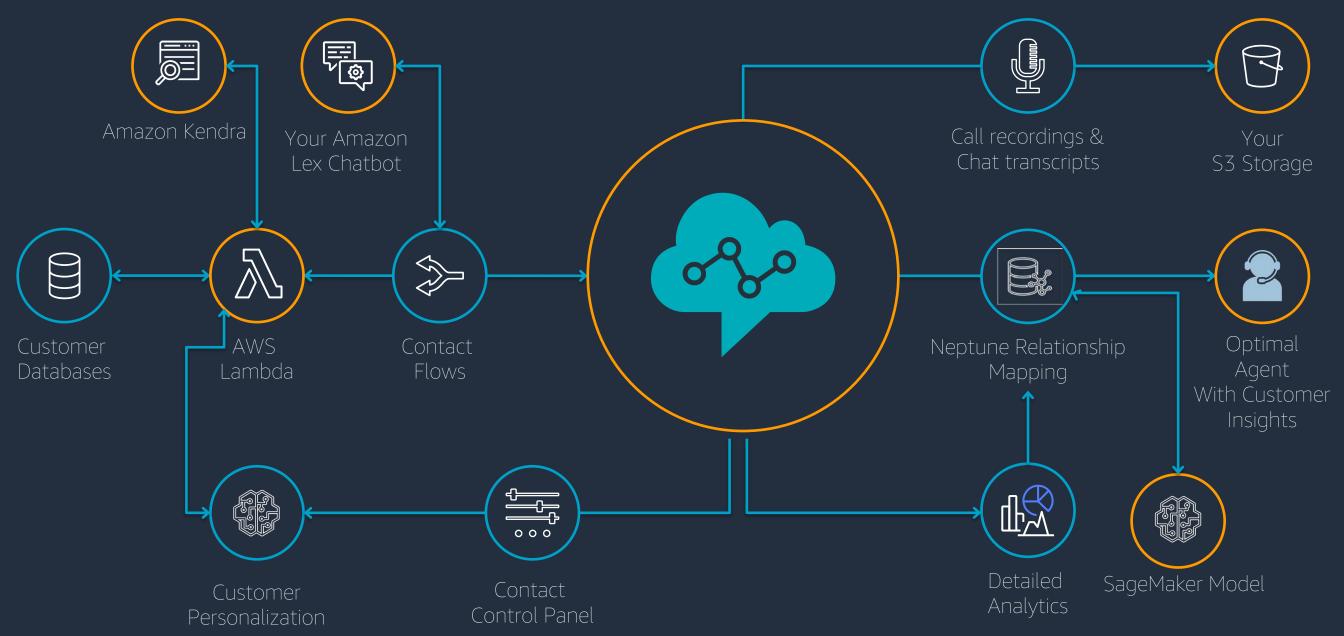
### Optimized Customer Retention Demo





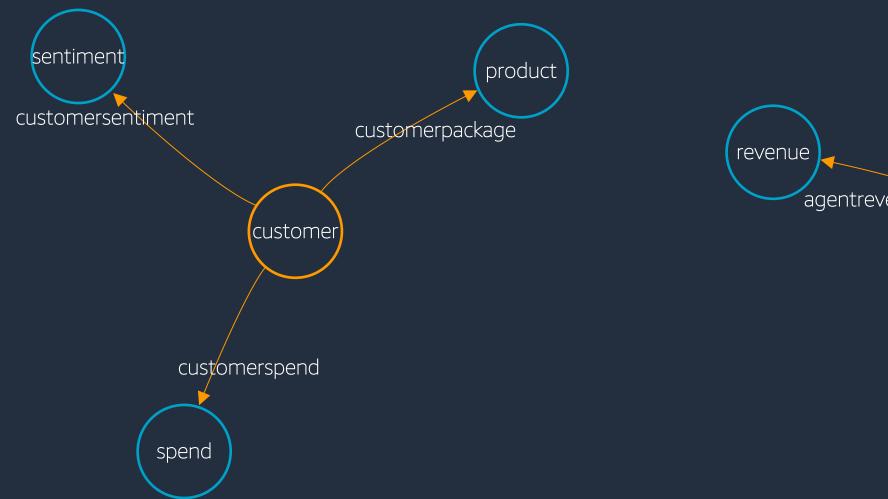


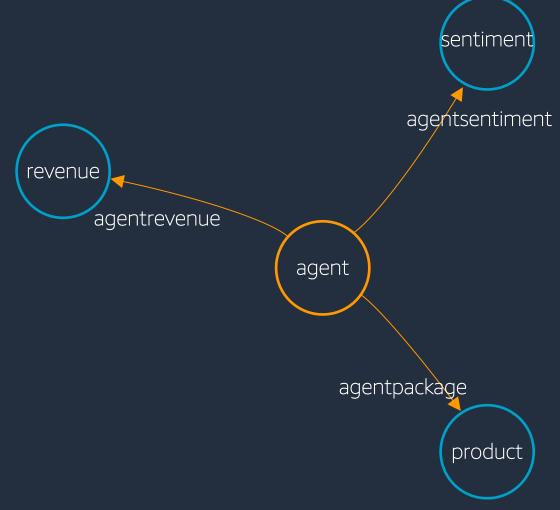
#### Demo Architecture





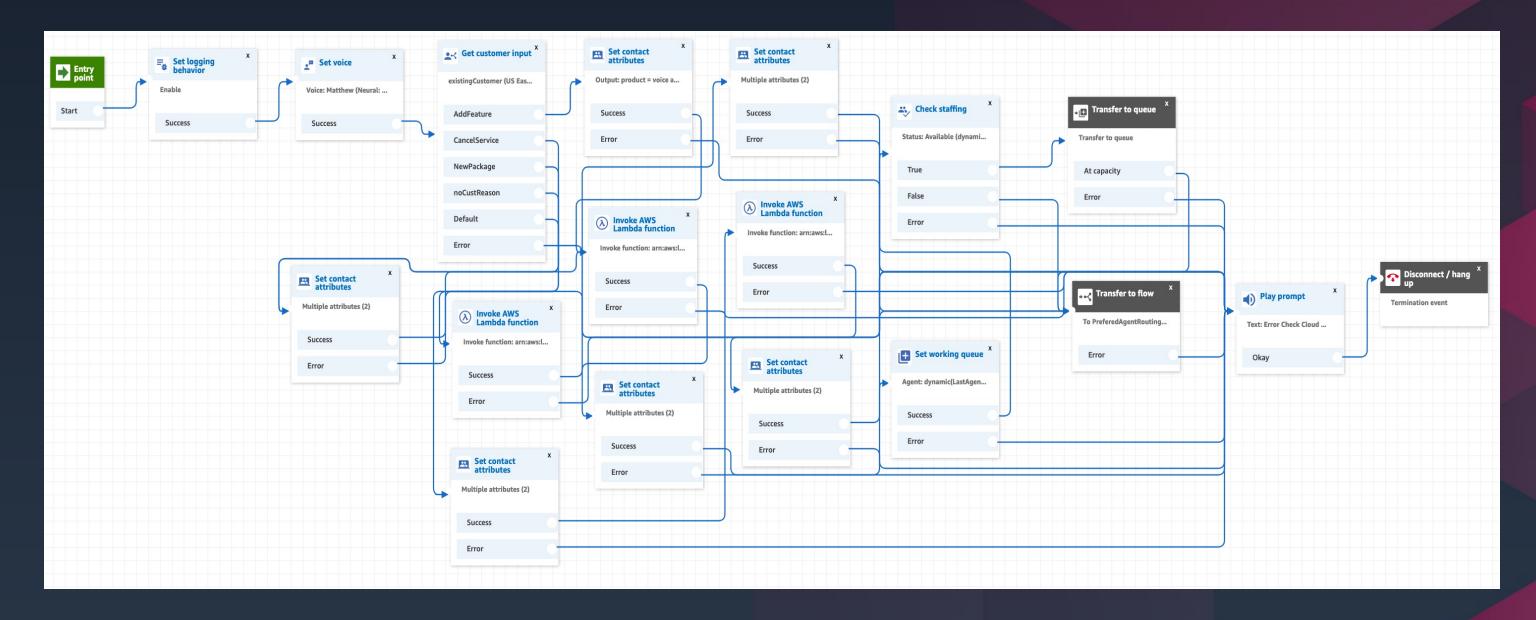
### Relationship Mapping





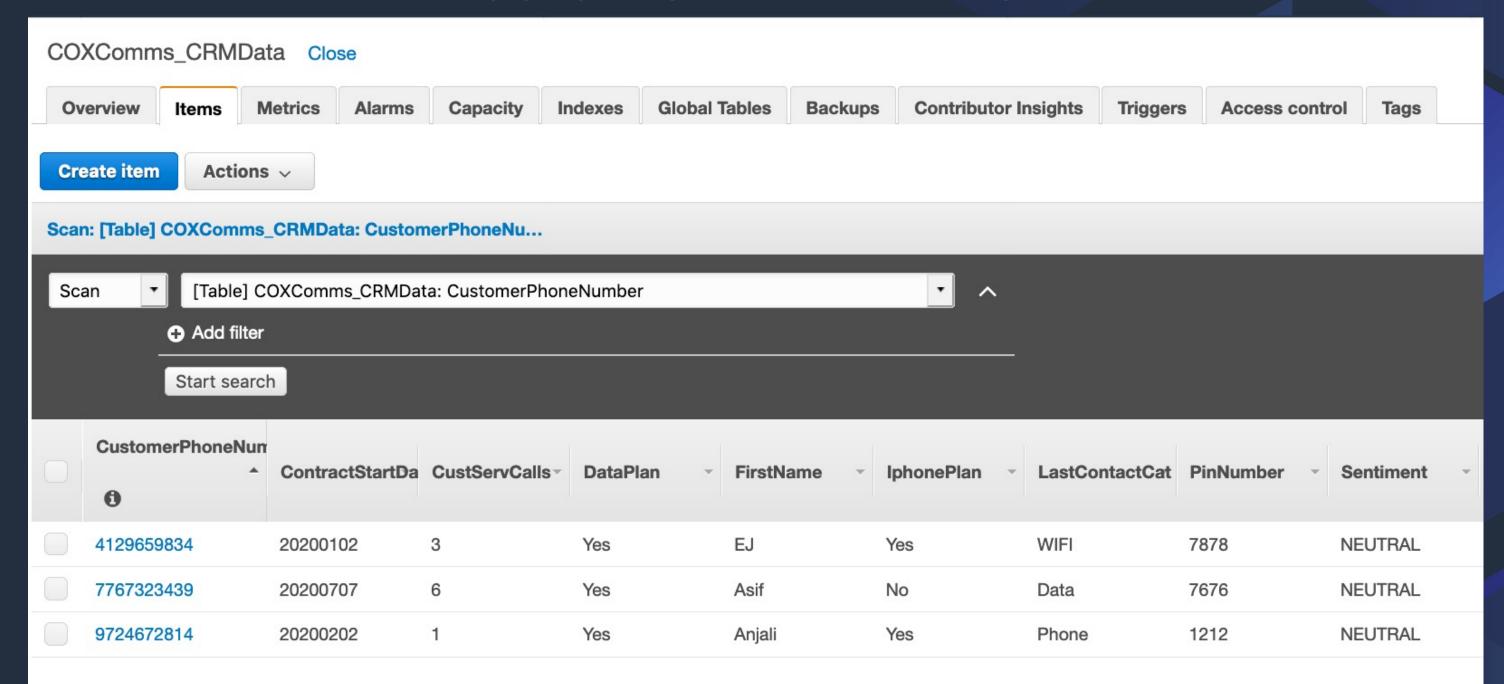


### Contact Flow Graphical User Interface



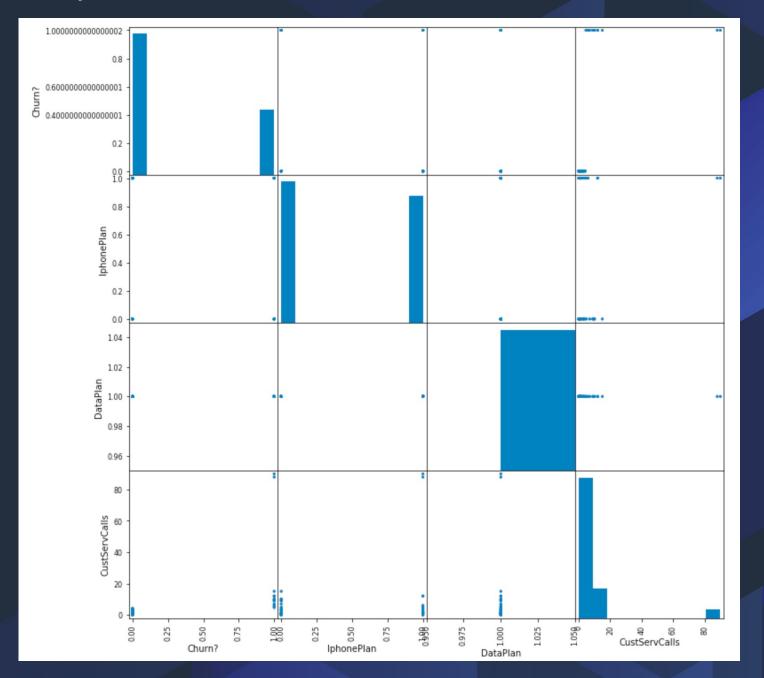


### Customer Data Table



### Machine Learning = Experience Evolution

	Churn?	IphonePlan	DataPlan	CustServCalls
0	0	1	1	2
1	0	0	1	1
2	0	1	1	0
3	0	1	1	3
4	0	0	1	4
204	0	1	1	2
205	0	0	1	3
206	0	1	1	4
207	1	1	1	6
208	1	0	1	9





# Thank you!



