



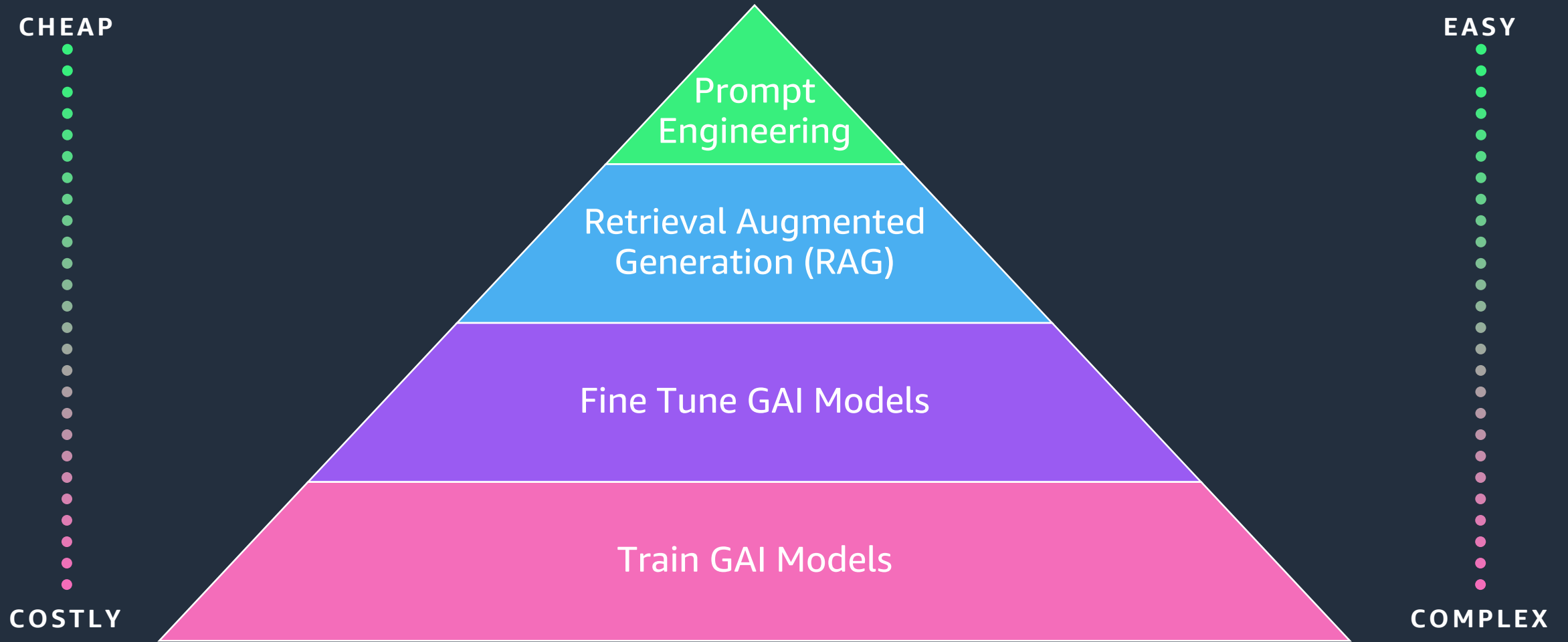
ADC-08

Building a modern data strategy for generative AI

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AWS

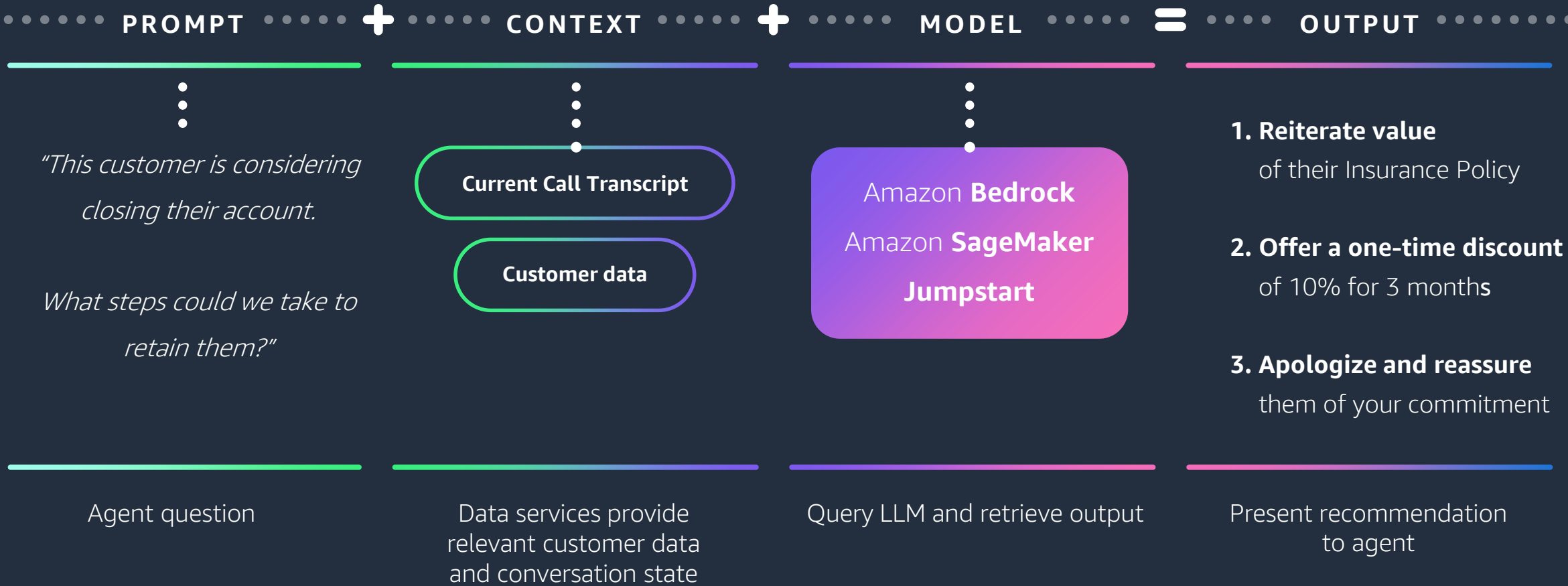
Emerging generative AI data patterns, cost, and complexity



Generative AI Applications



Generative AI Applications



What does it take to build value at scale with GAI

An iceberg floating in the ocean. The tip of the iceberg is above the water surface, while the much larger, jagged base is submerged underwater. The sky is blue with scattered white clouds. The water is a deep blue, and the submerged part of the iceberg is a lighter, translucent blue.

● Generative AI: Business value

● Technology: Modern Data Foundations

● Mindset: Customer Obsessed, Experimental

● People: New Skills & Roles

● Process: Governance, Ethics, Alignment

Driving Value Creation Requires a Modern Data Strategy



Mindset



People & Process



Technology

Modern

Product
centric

Customer
focused

Cross
functional

Autonomous

Federated and
agile

Purpose built,
flexible,
scalable

Traditional

Platform
centric

Solution
first

Technology
only

Monolithic
departments

Centralized
control

Monolithic
platforms

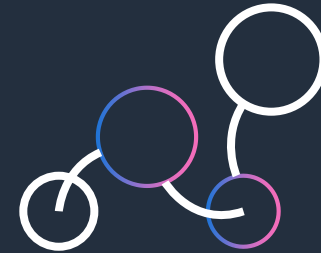
3 Steps to a better data foundation



Modern Data
Community



Governance &
Accessibility



Importance of
Contextual Data

The Modern Data Community

Data-driven organizations enable agility by pushing responsibility to the edges, to the producers and consumers of data

Producers

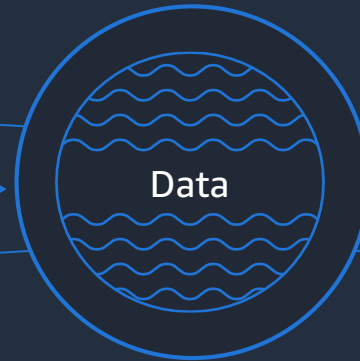
"Teams that want to share data"



- Domain expertise
- Data ownership and governance
- Data quality
- Metadata Management

Technology

"Team that runs the platform"



- Build security controls
- Build and run the platform
- Simplify on-boarding
- Enterprise datasets
- Training and community

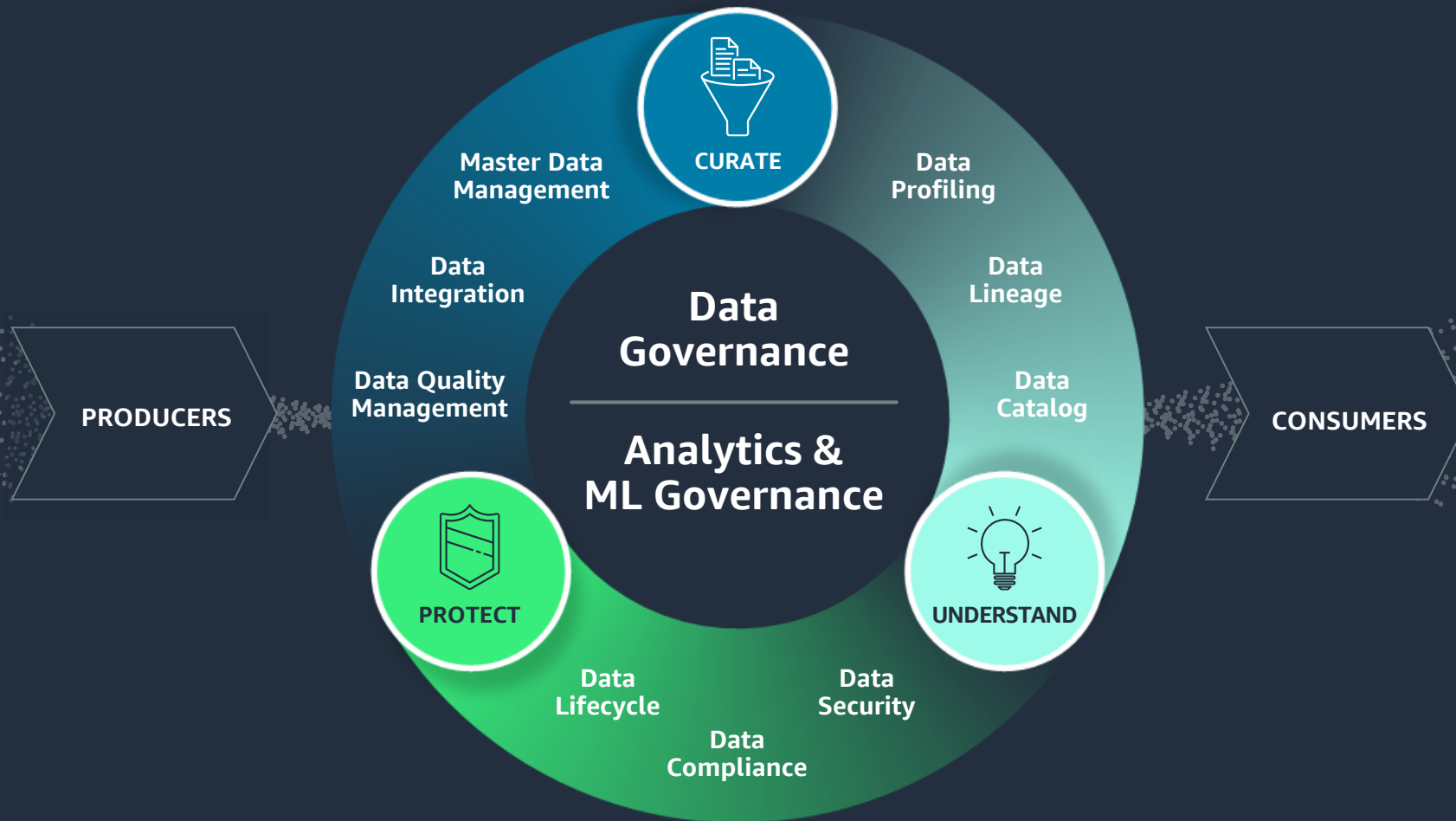
Consumers

"Teams that want to use data"



- Execute business priorities
- Business analytics development
- Data Discovery
- Data pipeline development
- Creation of new insights

Modern Data Governance & Accessibility



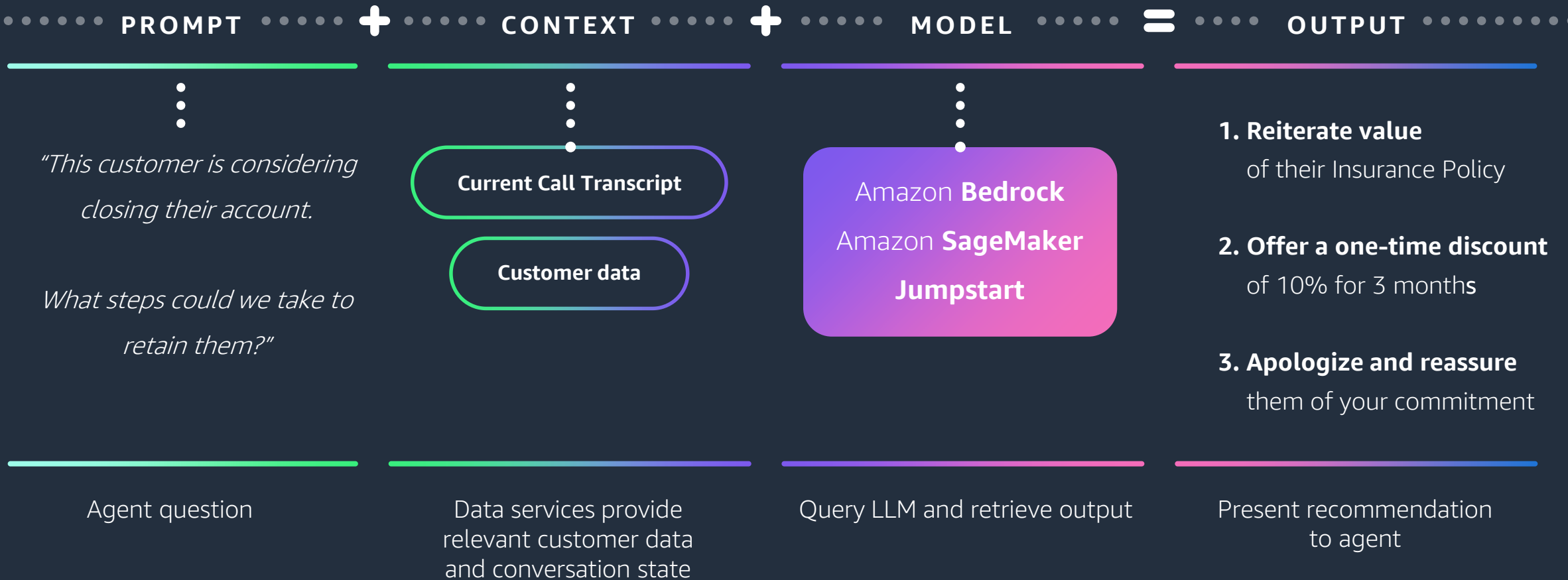
- Architect data governance to support the wider data and AI strategy

- Implement incrementally based on business initiatives and use cases that drive the data strategy

- Evolve data governance capabilities over time



Generative AI Applications



Generative AI Applications

PROMPT



"This customer is considering closing their account."

What steps could we take to retain them?"

Agent question

CONTEXT

Third time in contact this week, the last two times were regarding a missed direct debit
Sentiment from last two chats where negative and "close my account" was mentioned

5Y Projected Customer lifetime value of 7K and credit score 754 (Excellent)

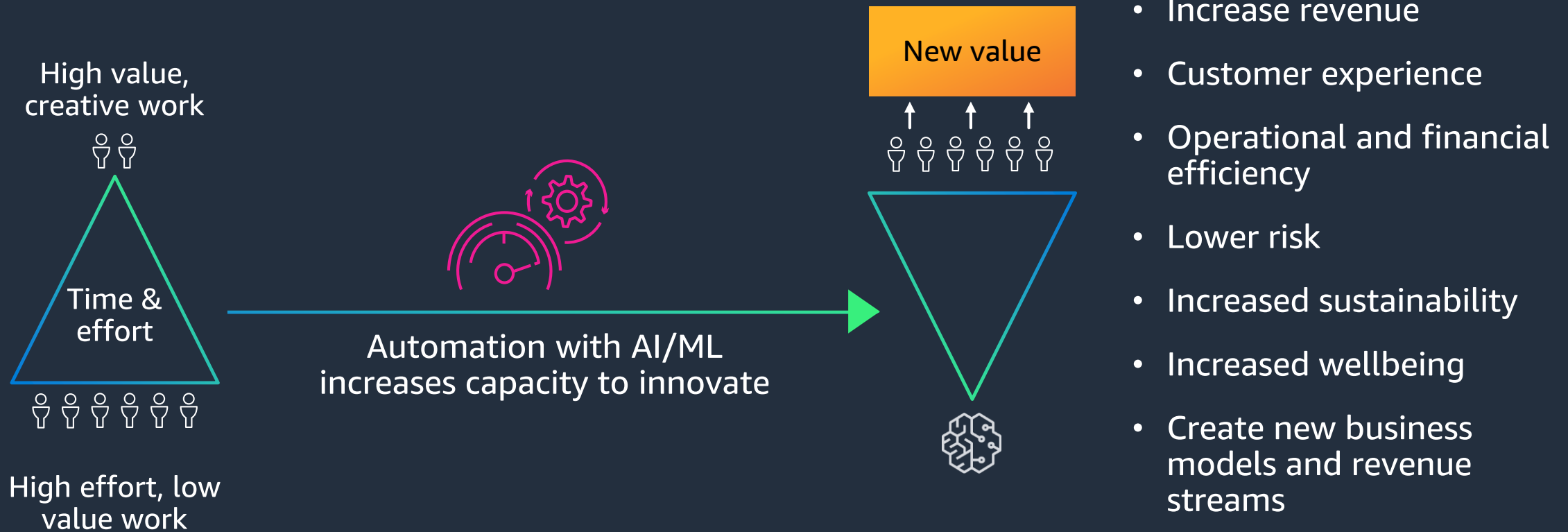
High Net Worth Individual with HVM of over 400K

Customer since 2009, has mortgage, car & house insurance and three children's accounts

Data services provide relevant customer data and conversation state



Inverting the triangle – unleash creativity





Business and financial software company that sells financial, accounting, and tax software for small businesses, accountants, and individuals.



- Transitioned to AWS in 2013
- Evolved to a SaaS company
- Vision to create an AI driven expert platform
- Currently runs 250 data and ML embedded products, 2,059 AI tasks, 600 ML patents filed



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Creating data driven products at scale

Example products:

- Personalised expert matching saved 25,000 hours on self help
- Auto recognition saved 1.3m hours on receipt processing
- 10k approved loans for SMBs with affordability predictors (65% considered un-lendable)
- Predict cashflow for small business to make better financial decisions



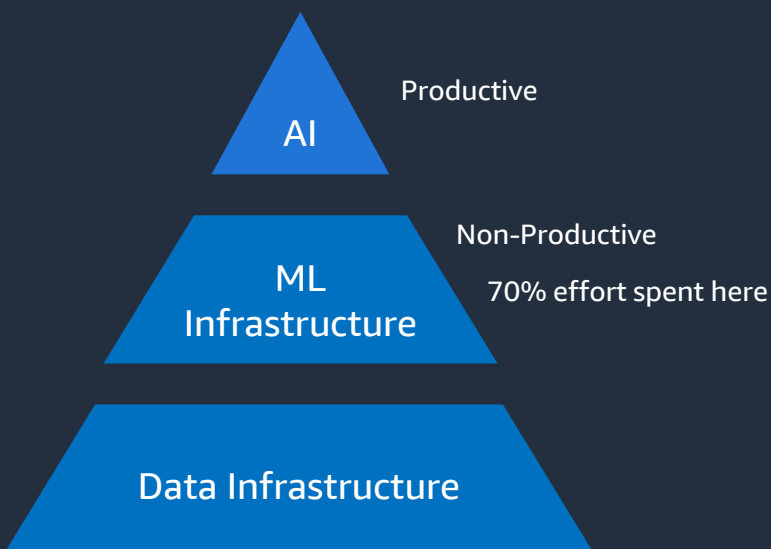
Removing undifferentiated heavy lifting to accelerate AI deployment at scale



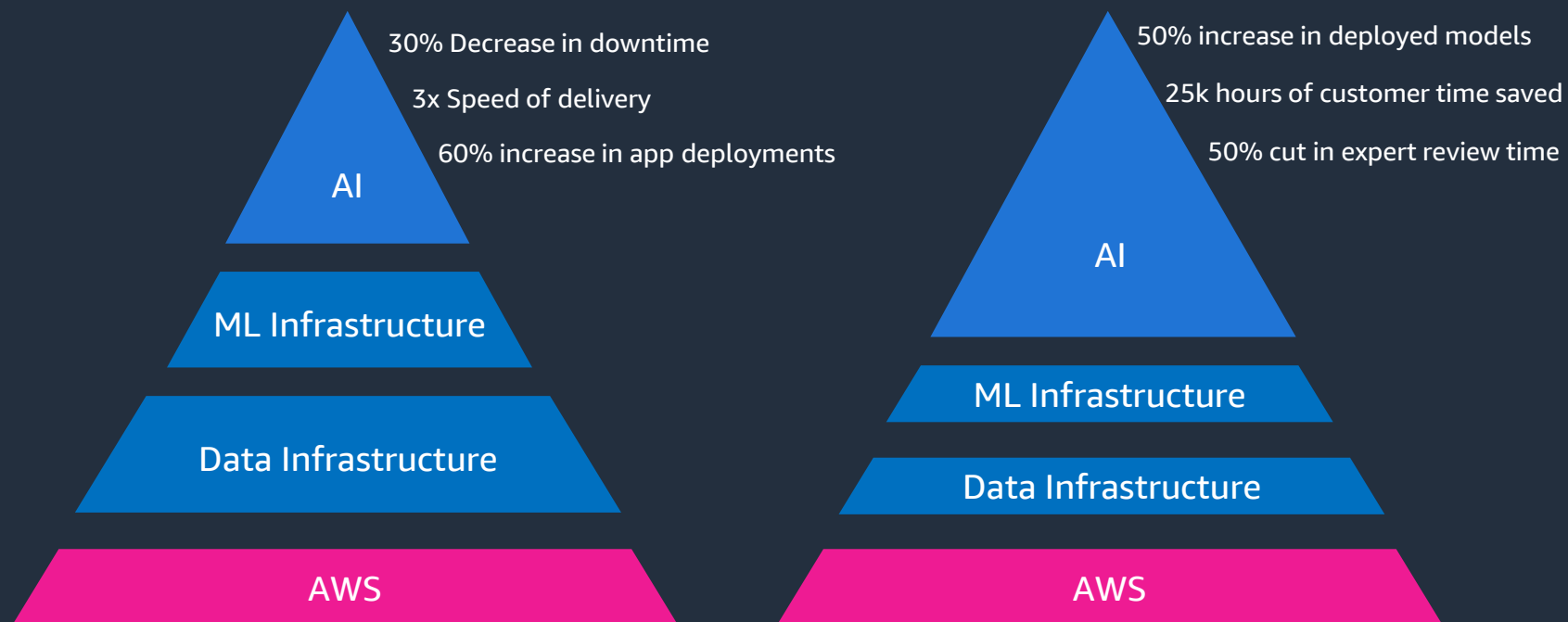
When Intuit migrated to AWS in 2013 they focused on:

- Modernizing their infrastructure and removed undifferentiated heavy lifting with automation
- Creating data as a product so AI engineers, and data scientists can obtain data quickly and efficiently whilst remaining autonomous
- Building a common ML platform for all feature building, model training, and deployment

On Premise in 2013



Modernized with AWS



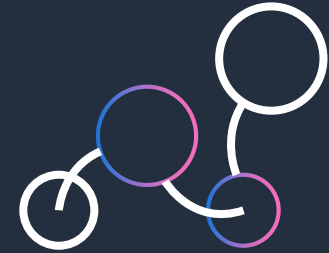
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How AWS can help ?

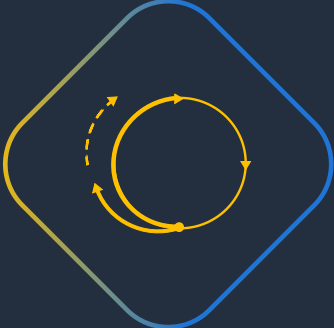
We are here to help

Get executive guidance



aws Data Strategy

Jump start your data flywheel



aws Data Driven Everything

Modernize your data foundations



aws Re:Imagine data

Build gen AI use cases



aws Generative AI innovation centre

Self serve curated learning



aws Pathfinder





Thank you!