

Transform your SAP Accounts Payable processes with AWS AI/ML and Generative AI Services

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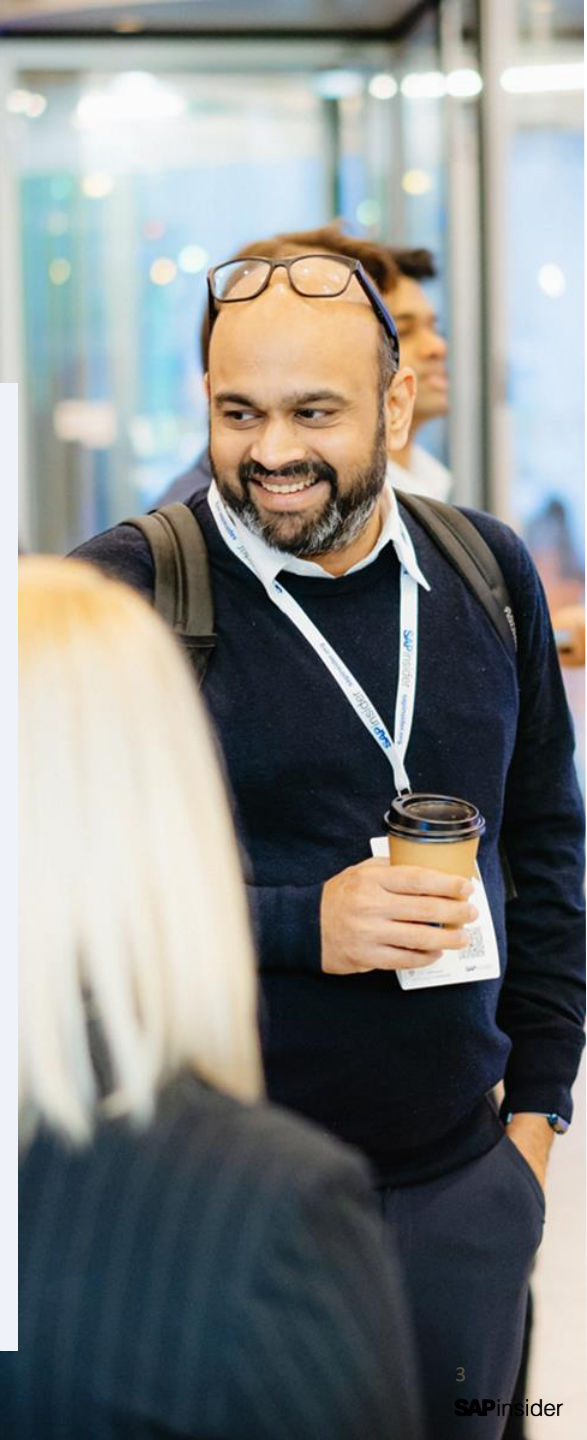


In This Session

- Discover how organizations transform their business processes by enhancing SAP S/4HANA functionality with the power of AWS generative AI services.
- Explore automating the invoice processing workflow using a Fiori app and derive payment insights from this data utilizing AWS Bedrock Knowledge Base capabilities.
- Access powerful AWS generative AI capabilities are orchestrated using the AWS SDK for SAP ABAP.

What We'll Cover

- Accelerating SAP business process innovation
- What is generative AI?
- AWS generative AI capabilities
- Transforming SAP Accounts Payable process
- Hands-on lab
- Next steps



The innovation imperative

It's hard for any company to sustain for a long period of time

16%

Remaining companies
from 1970 Fortune 500

46%

Remaining companies
from 2000 Fortune 500

Source: Analysis of Fortune 500 constituents in [1970](#), [2000](#), and [2022](#)

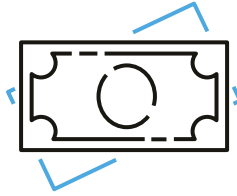
The innovation imperative

“The only sustainable advantage you can have over others is agility. That’s it. Nothing else is sustainable, everything else you create, somebody else will replicate.”

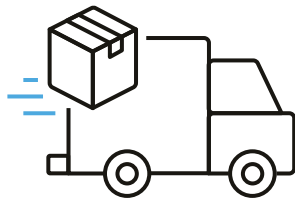
Jeff Bezos

Founder and Executive Chair of Amazon

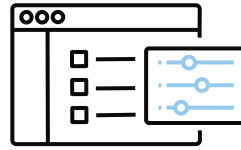
Leading companies seek to innovate and transform



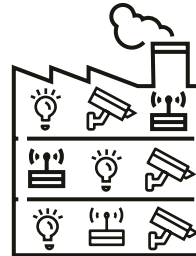
Create **new revenue sources**, differentiated business models



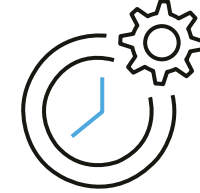
Optimize supply chain and logistics, reduce inventory



Improve intelligence with **real-time monitoring** and data-driven decision making



Increase production, reduce defects, downtime, waste

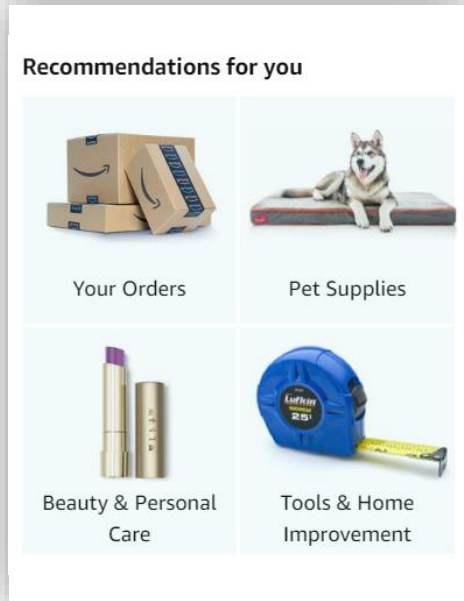


Increase productivity with process automation



Delight customers with personalized recommendations and support

ML innovation is in Amazon's DNA



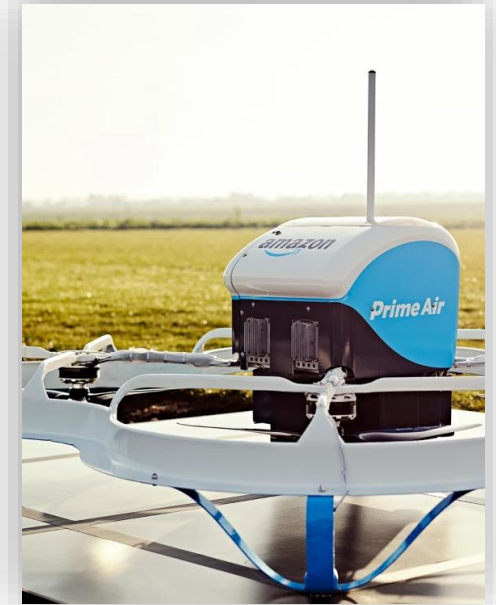
4,000 products per minute sold on Amazon.com



1.6M packages every day



Billions of Alexa interactions each week

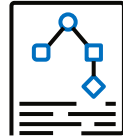


First Prime Air delivery in **2016**

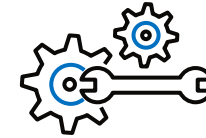
What is Generative AI?



AI that can **produce original content** close enough to human-generated content for real-world tasks



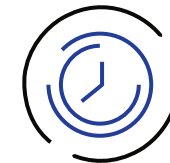
Powered by **foundation models** pre-trained on large sets of data with several hundred billion parameters



Tasks can be **customized for specific domains** with minimal fine-tuning

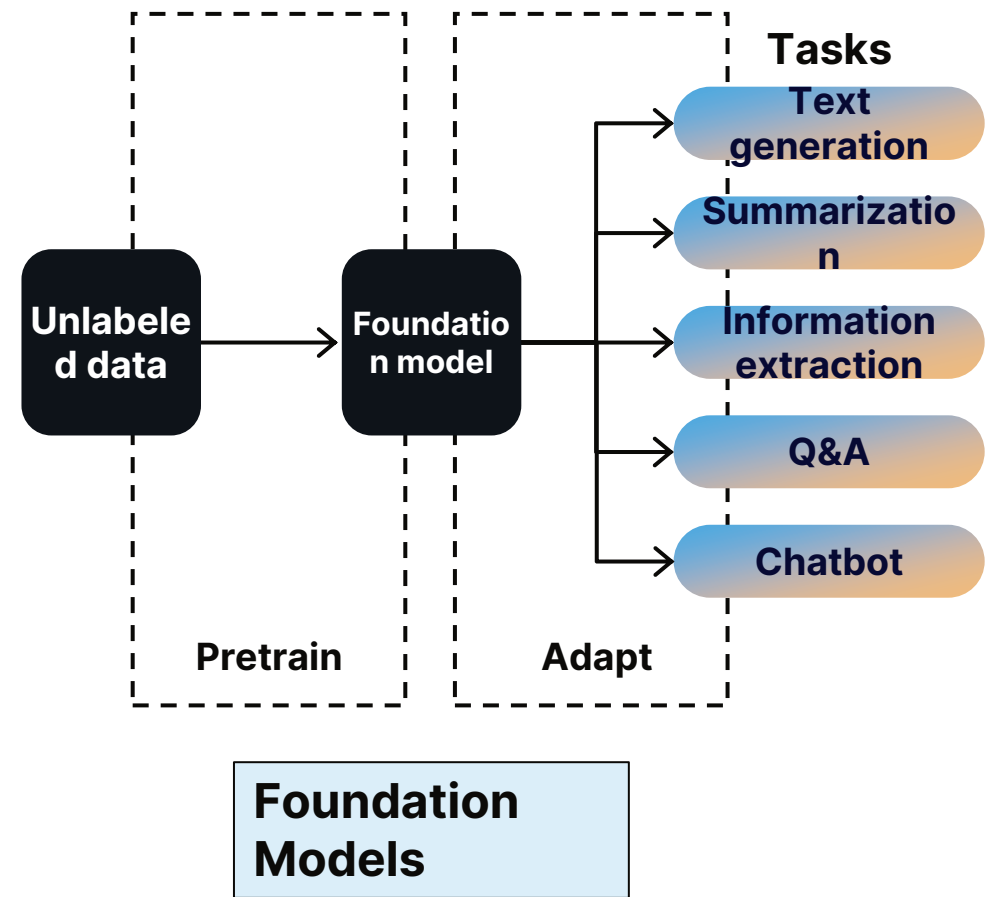
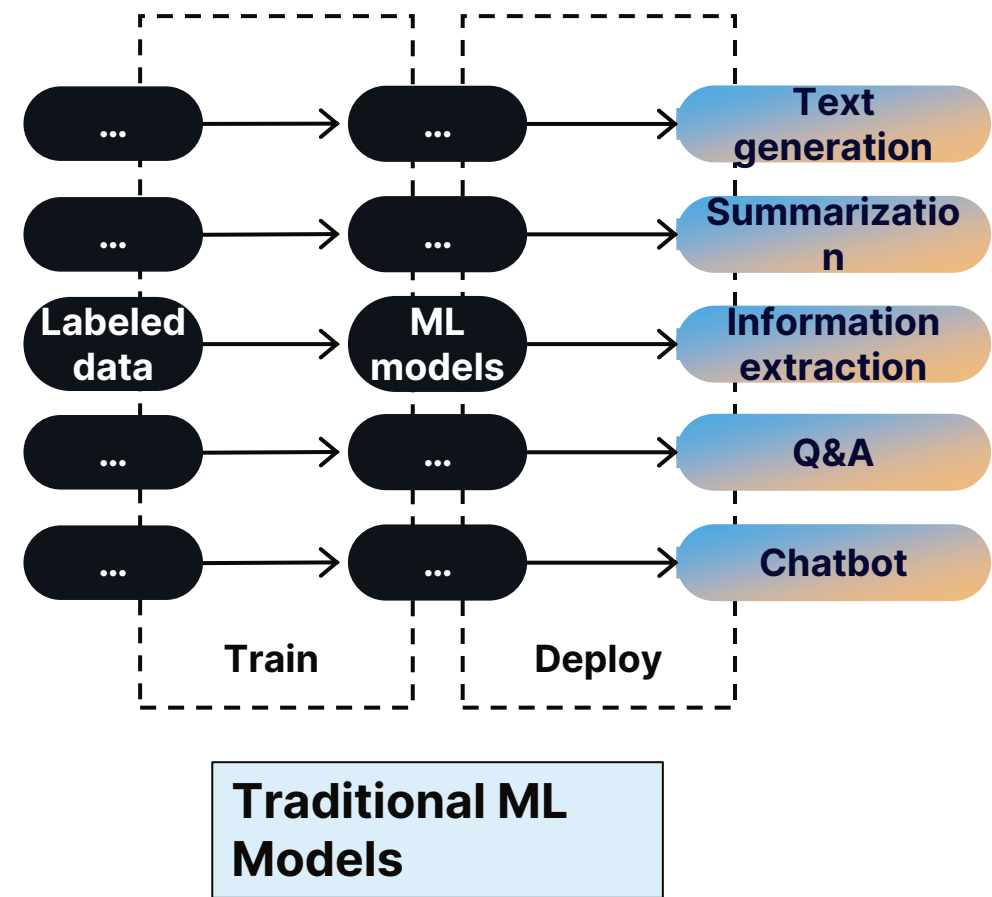


Applicable to many use cases like **text summarization, question answering, digital art creation, code generation**, etc.

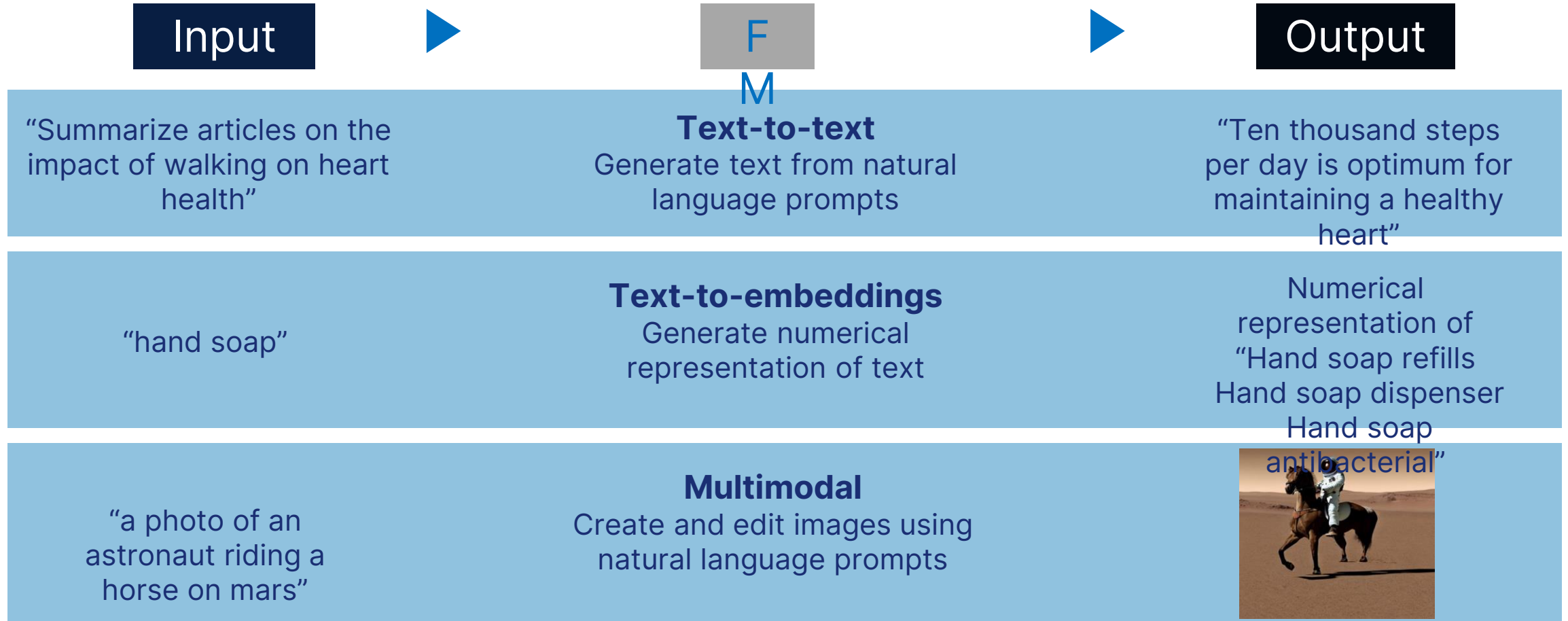


Reduces time and cost to develop ML models and **innovate faster**

Generative AI is powered by foundation models (FMs)



Types of foundation models



Challenges in building generative AI applications



Accessing multiple FMs
and newer versions



Customizing FMs



Maintaining data privacy
and security



Getting FMs
to execute tasks



Connecting to
data sources



Managing infrastructure

GENERALLY AVAILABLE

Amazon Bedrock

The easiest way to build
and scale generative AI
applications with
foundation models



Access a range of leading FMs through a single API



Privately customize FMs using your organization's data



Build agents that execute complex business tasks by dynamically invoking APIs



Extend the power of FMs with your data using Retrieval Augmented Generation (RAG)



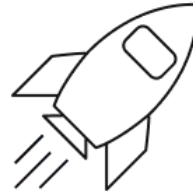
Enable data security and compliance

Why customize Foundation Models (FMs)



Adapt to
domain-specific
language

E.g. **Finance** – Teach financial & accounting terms to provide good analysis for earnings reports



Enhance
performance
for specific tasks

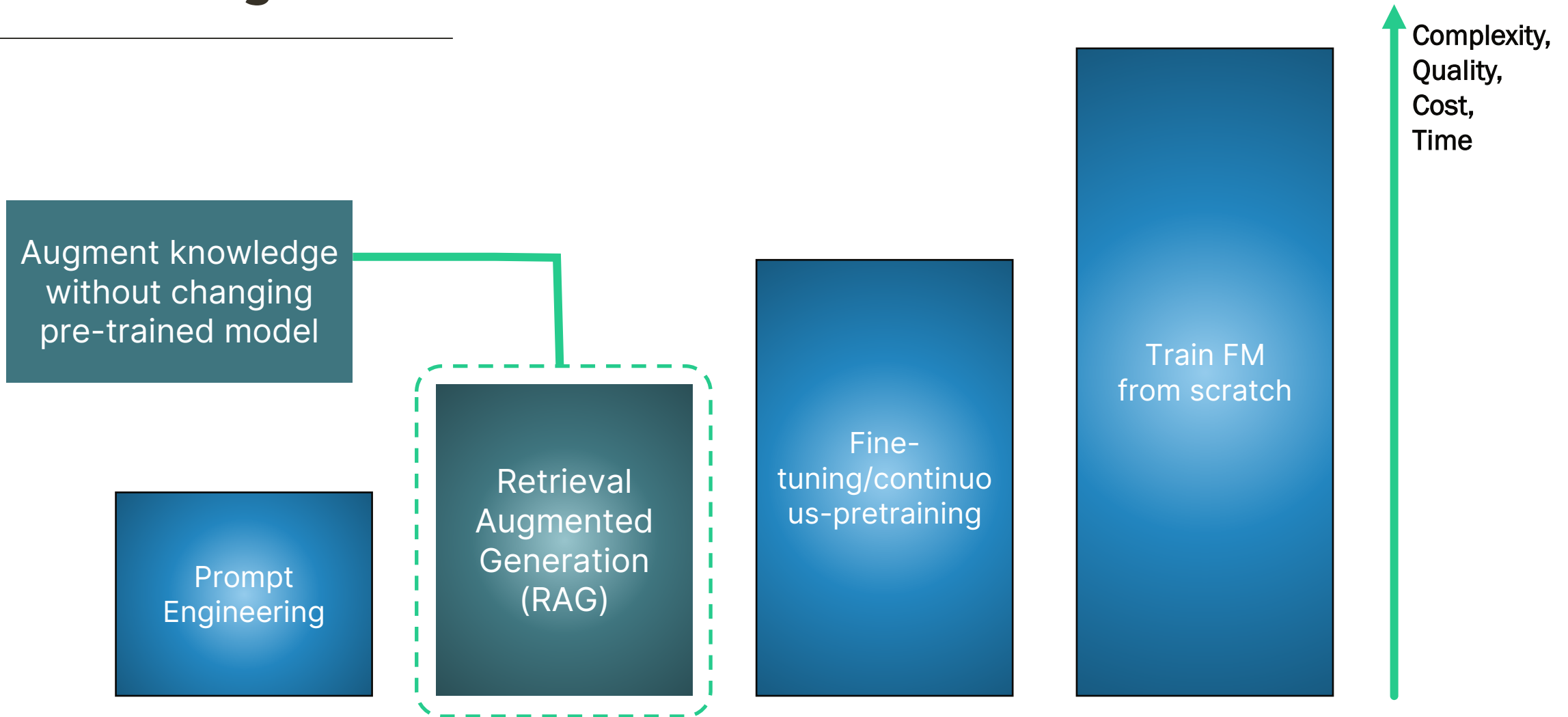
E.g. **Customer Service** – Improve ability to understand and respond to customer's inquiries and complaints



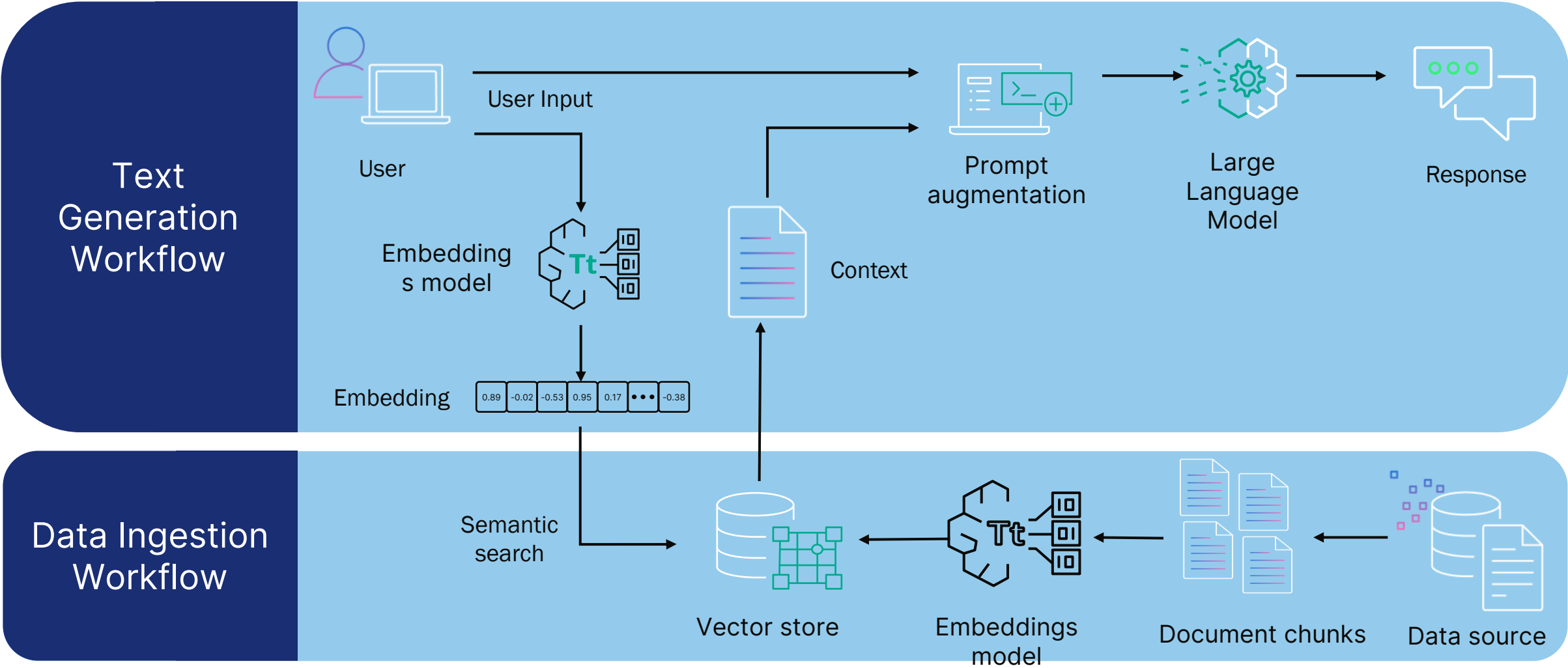
Improve
context-awareness
in responses

E.g. **Legal Services** – Better understand case facts and law to provide useful insights for attorneys

Common approaches for customizing FMs



RAG in Action



Knowledge Bases for Amazon Bedrock

Gives FMs and agents contextual information from your private data sources for Retrieval Augmented Generation (RAG) to deliver more relevant, accurate, and customized responses.



Fully managed support for end-to-end RAG workflow



Securely connect FMs and agents to data sources

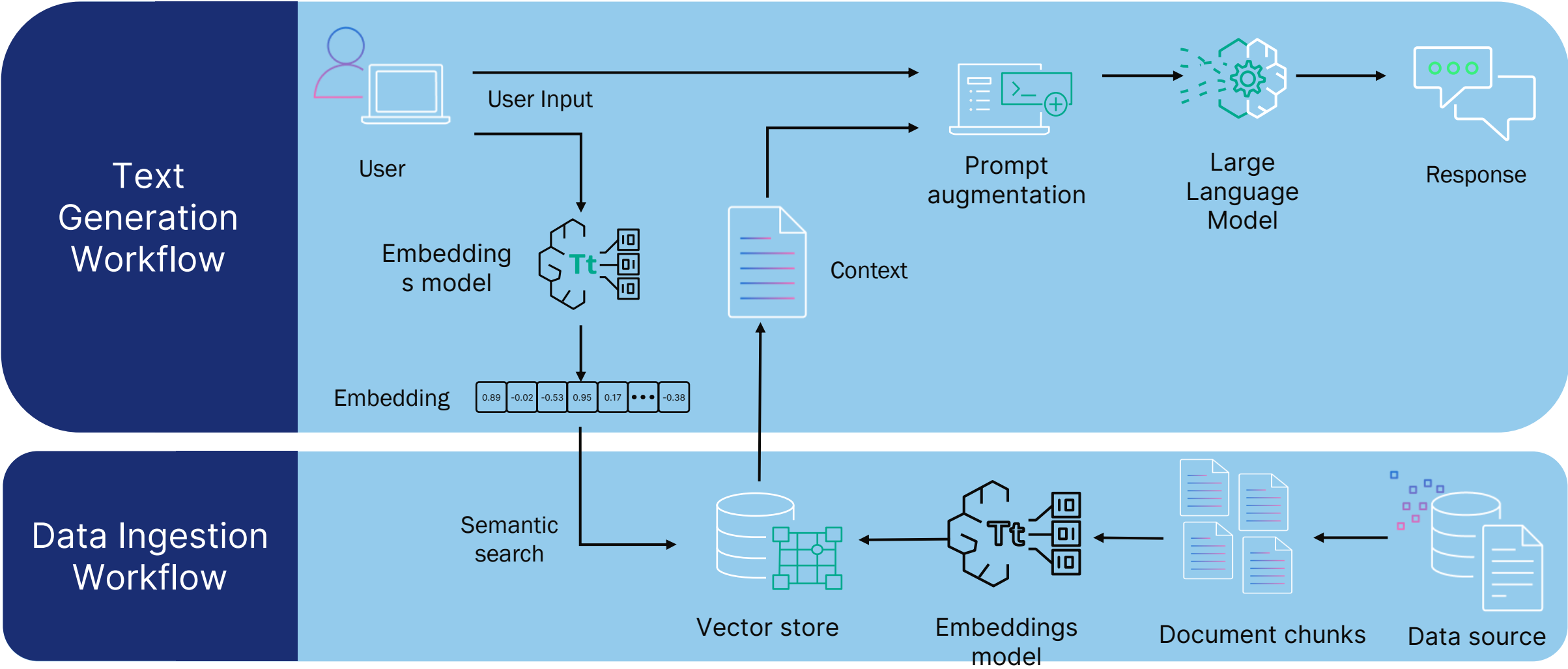


Easily retrieve relevant data and augment prompts

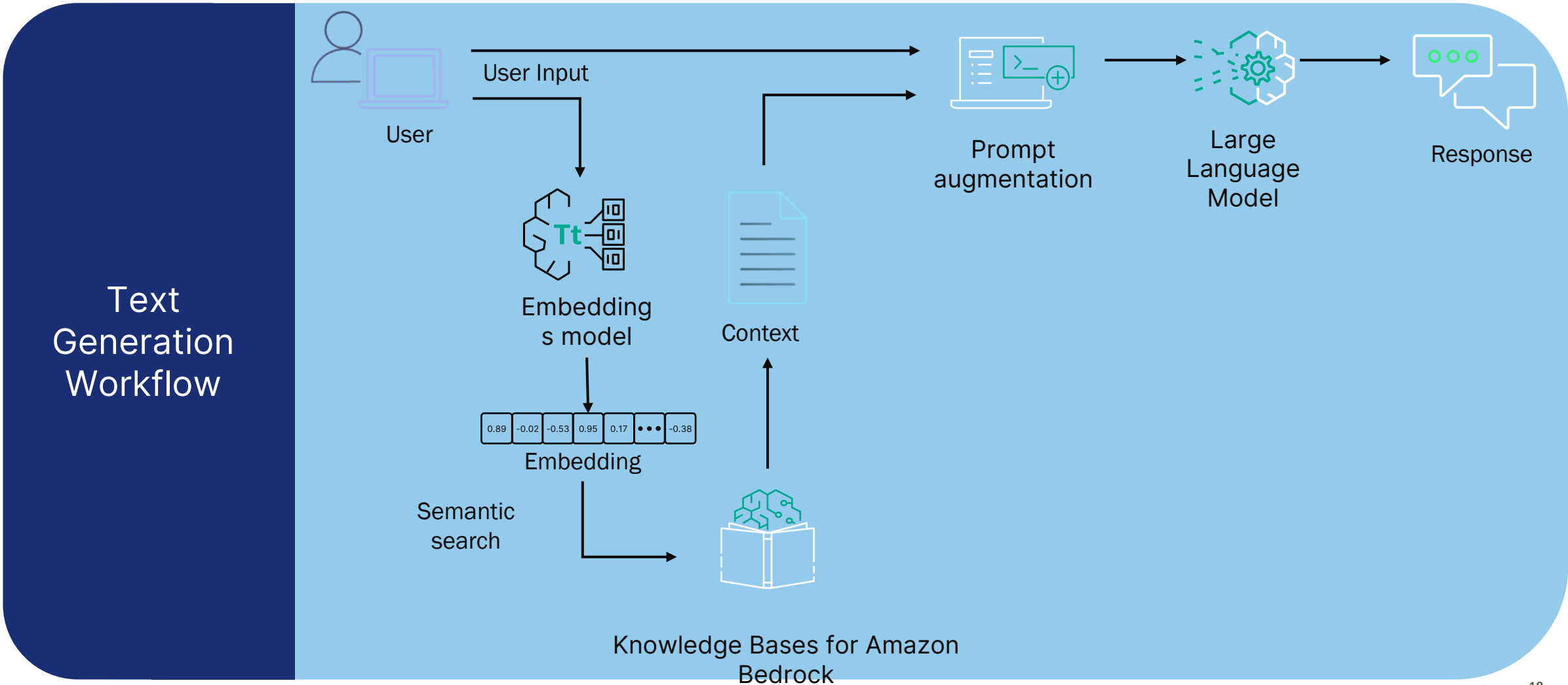


Provide source attribution

RAG without Knowledge Bases of Amazon Bedrock

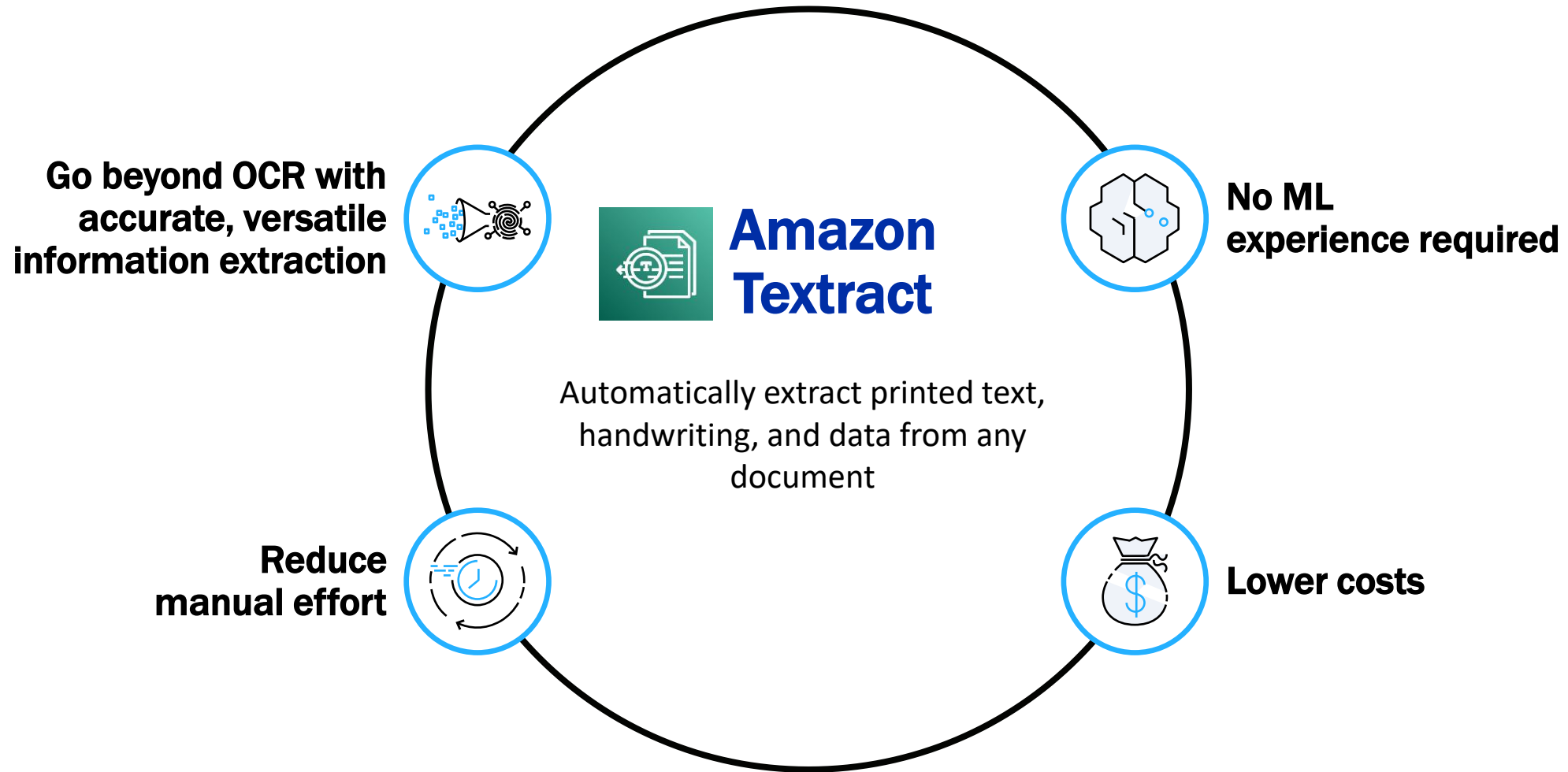


RAG with Knowledge Bases of Amazon Bedrock





Amazon Textract



Invoice and Receipts

Specialized support to process invoices and receipts at scale

DOCUMENT



OUTPUT

Summary Fields:
Vendor Name: WHOLE FOODS MARKET
Subtotal (SUBTOTAL): \$3.50
Net Sales (OTHER): \$3.50
Tax/Fee (TAX): \$0.39
Sold Items (OTHER): 1
Paid (OTHER):
Debit (OTHER): \$3.89
Tax/Fee Total (TAX): \$0.39
Total (TOTAL): \$3.89

Line Items:
ITEM: Pizza Slice
PRICE: \$3.50



Outputs headline amounts, line item details, and inferred fields (like Vendor Name)



Supports any style of invoice or receipt



No templates or configuration required

AWS SDK for SAP ABAP



Innovate with the world's broadest and deepest set of cloud services

200+

**AWS services in
analytics, IoT, AI/ML,
and more drives new
innovation and
business value**



Amazon Bedrock



Amazon Polly



Amazon Transcribe



Amazon AppFlow



AWS IoT Analytics



Amazon Forecast



AWS DeepLens



Amazon Translate



Amazon Sumerian



AWS IoT Greengrass



Amazon Rekognition



Amazon Lex



AWS Lambda



Amazon API
Gateway



AWS IoT TwinMaker



Amazon Lookout
for Equipment



Amazon Lookout
for Vision



AWS Wavelength



Amazon Kinesis



AWS IoT Core



Amazon Personalize



Amazon Textract



Amazon Location Service

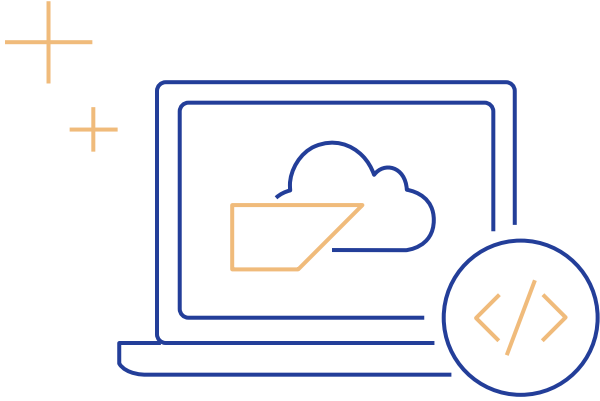


Amazon EMR



AWS Ground Station

Reimagine your business processes with AWS SDK for SAP ABAP

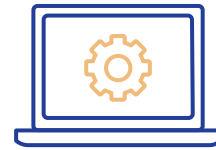


Makes it easy for ABAP developers to extend and transform SAP-based business processes by harnessing the power of AWS services natively using the SAP ABAP language.



Accelerate business process innovation

by giving ABAP developers access to all 200+ AWS services



Reduce architectural complexity

by eliminating the need to manually create complex integrations between SAP and AWS services, in both **self-managed** and **RISE with SAP** deployments



Maintain a strong security posture

by encrypting all payloads with HTTPS and enforcing SAP-level permissions



Upskill ABAP development teams

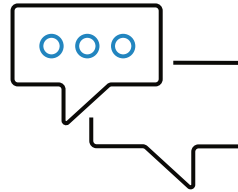
by making it easy to for them to build cloud-based solutions

What type of SAP Accounts payable transformations you can achieve using AI/ML and generative AI services



Intelligent Document Processing – Automate your payables

Integrate **Amazon Textract**, **Amazon Translate**, and **Amazon SNS** into SAP processes using familiar ABAP code



Generative AI powered Financial audit assistants

Create **knowledge bases** with your own financial data and provide audit insights



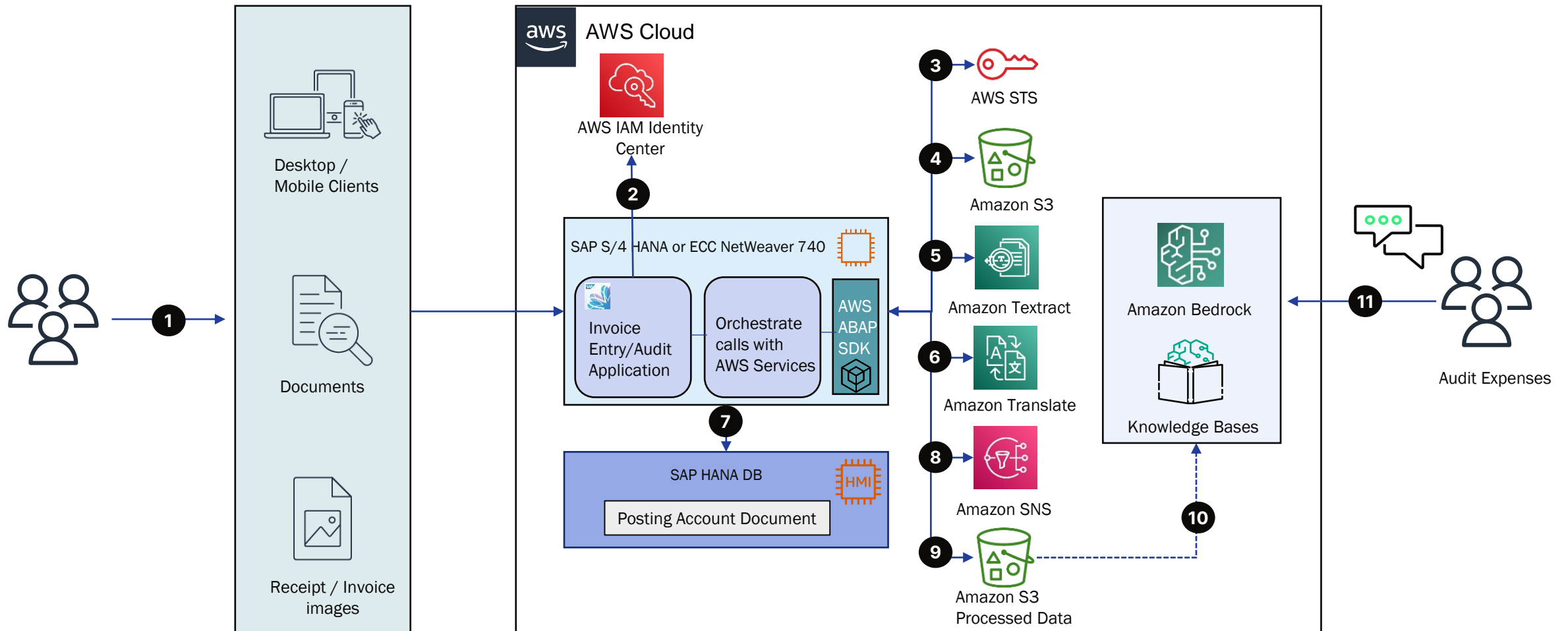
Create Account Payable processing agents

Create Agents to **perform complex tasks** by invoking API's in your SAP system

Lab overview



High-level architecture of SAP Account Payable transformation



Lab Setup

WIFI

SSID: SAPInsider

Password: insidernet

For accessing the workshop and instructions please navigate to URL

<https://catalog.workshops.aws/>

- 1) Select **Email One-Time Password (OTP)** to receive the password
- 2) Enter the event access code **6400-0422da-bb** and click on **Next**
- 3) Check the box “**I agree with the Terms and Conditions**” and click on **Join event**

Generative AI training and workshop

[Explore now](#)



Training for
executives



Deep dive
workshop

Learn how generative AI can address your business challenges, drive growth, and revolutionize industries



Where to Find More Information

aws.amazon.com/blogs/awsforsap/category/artificial-intelligence/

- Discover new transformation opportunities to enhance SAP business processes with AWS AI/ML.

aws.amazon.com/bedrock/

- Amazon Bedrock is the easiest way to build and scale generative AI applications with foundation model.

aws.amazon.com/bedrock/knowledge-bases/

aws.amazon.com/bedrock/agents/

- Extend Knowledge Bases for Amazon Bedrock with the power of Agents for Amazon Bedrock to orchestrate and execute AI-driven automation steps within a business process

aws.amazon.com/q/

- Preview Amazon Q to unlock more value from your enterprise knowledge.

partyrock.aws/

- Explore generative AI capabilities with AWS PartyRock, a low code/ no code AI app builder

Key Points to Take Home

- **Extending SAP business processes** with AWS services, including AI/ML, is a proven way to transform your business.
- The **AWS SDK for SAP ABAP** enables you to innovate faster, accessing 200+ AWS services from your familiar ABAP environment.
- Automating document processing with **Amazon Textract, Amazon Bedrock**, other AWS services is a promising starting point for business process optimization.
- Identify your next innovation and **contact us** to build with AWS Professional Services and AWS Partners.

Additional sessions

Visit AWS booth : #640



Additional Sessions

Date	Time	Session Type	Content Title	Room
March 19th	10:30AM-12:10PM	Sponsored	Best practices to save millions of dollars from business disruption on AWS	Da Vinci 4
March 19th	2:10-2:50PM	Customer	The Under Armour transformation: Secure and scale your business with AWS for SAP	Da Vinci 4
March 20th	10:30-11:10AM	Sponsored	Accelerate the move to SAP S/4HANA while protecting existing investments	Da Vinci 3
March 20th	10:30AM-12:30PM	Workshop	Modernize your SAP Accounts Payable reporting with an AWS Data Lake and AI/ML services	Cezanne 1
March 20th	11:30-11:50AM	Impact20	SAP Journey to Open Hybrid Cloud with Red Hat and AWS	Theater 1
March 20th	1:10-1:50PM	Customer	Love’s Travel Stops’ road to SAP modernization with AWS	Da Vinci 4
March 20th	2:10-2:50PM	Customer	Molson Coors’ Journey to S/4HANA and AWS with Basis Technologies	Ballroom 3

Thank you! Any Questions?

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