SAP Business Al



All represents a huge value creation potential across industries, many organizations are actively looking into expanding their adoption

Generative AI could add

\$2.6 to \$4.4 trillion

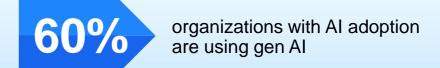
incremental value annually to the global Economy

Existing productivity value from previous generation of AI and analytics

Widespread adoption, despite early days

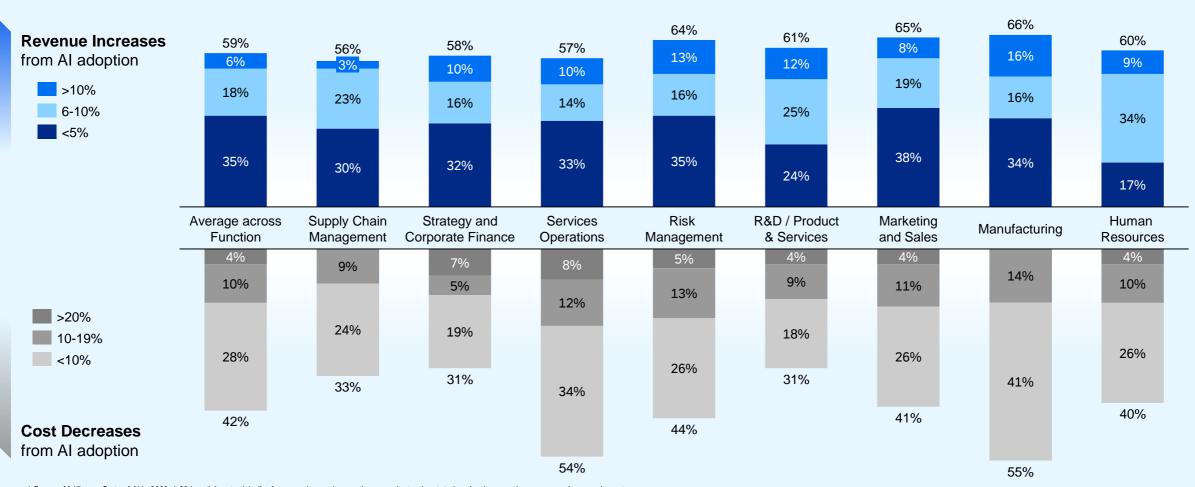






Organizations are seeing both top and bottom line growth improvement by leveraging Al across functional areas

Revenue and/or Cost improvements from Al adoption in the function using Al capabilities¹



¹ Source: McKinsey, State of Al in 2023, 1,684 participants globally. Answers shown above only respondents who stated seeing increase in revenue or decrease in costs

Customers wanting to adopt Business Al Desire Real Business Results

How can the most important business insights be delivered with perfect clarity





How can employee productivity be augmented delivering improved outcomes

How can the entirely new processes be generated to transform business performance

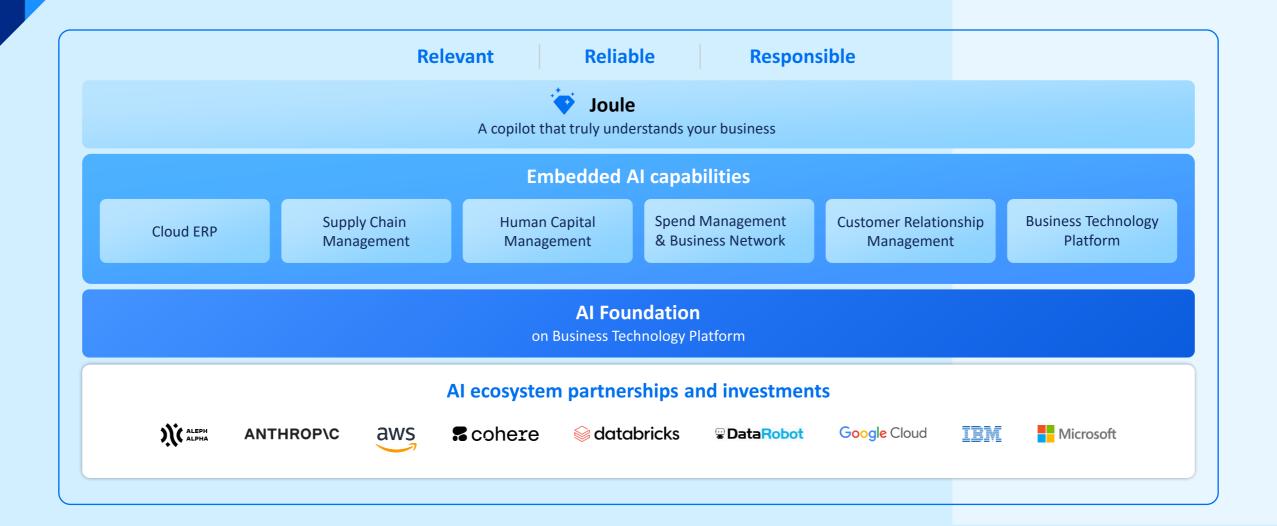


Key requirements for AI in business

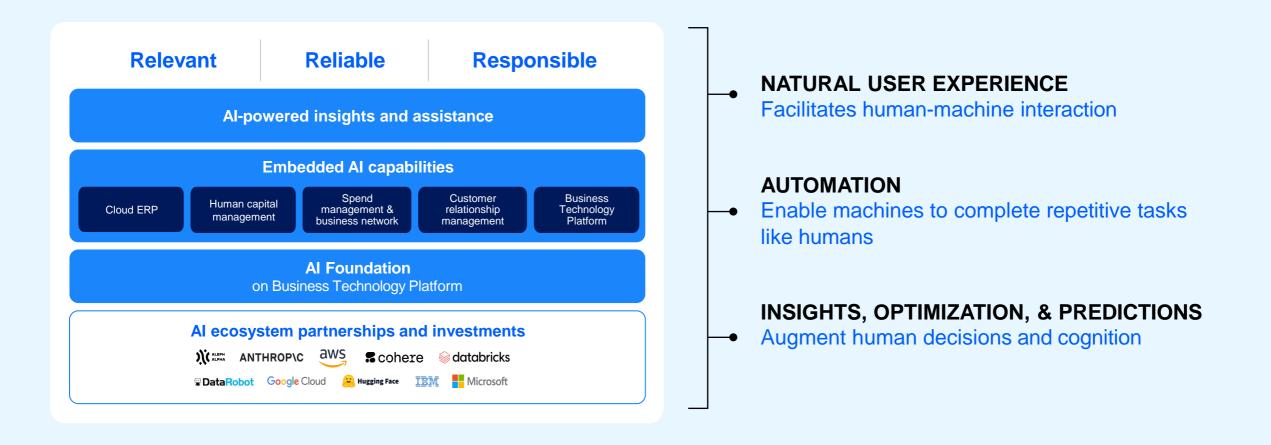
Relevant Reliable Responsible

SAP Business AI has it all

Our business AI is embedded across the portfolio



Only SAP Business AI can help customers unlock three sources of value in relevant, reliable and responsible manner for better performance



Today, SAP offers a large catalogue of Al-powered scenarios across all business functions

Finance	Supply Chain	Customer Experience	Procurement	Human Resources	IT and Cross-Function
 Tax Compliance Cash Application Intelligent accrual Travel expense auditing Travel expense verification Invoice processing Business Integrity screening Goods and invoice receipt matching Mobile expense entry 	 Stock in transit Visual Inspection Demand forecasting & sensing Project-cost prediction Predicted delivery processing Demand-driven replenishment Forward scheduling Field service scheduling Asset prediction & optimization Slow-moving materials prediction 	 Predicted delivery processing Discount recommendations Intelligent sales execution Relationship intelligence Sales route optimization Sales order automation Opportunity scoring Customer insights Guided selling Lead scoring Product recommendations 	 Guided buying Sourcing item and supply prediction Material group recommendations Invoice object recommendations Job matching for contingent workforce Resume ranking for contingent workforce O'Net labelling 	 Skill and career path recommendations Learning recommendations Job analyzer 	 Joule Process automation Business rule mining Intrusion detection

...Find out more on SAP Business Al

Recent Release Highlights

HR

- ✓ Joule in SAP SuccessFactors
- ✓ Job Description Generation
- ✓ Learning in Viva with Co-Pilot
- ✓ Assisted Interviews & Feedback

Cloud ERP

- ✓ Next Generation Shared Services
 Automation in SAP Enterprise
 Service Management
- √ Visual Inspection
- ✓ Joule in SAP S/4HANA Cloud, public edition (EAC)

IT & Cross-function

- ✓ Generative AI Hub in SAP AI Core
- ✓ Document Information Extraction, premium edition
- ✓ Just Ask in SAP Analytics Cloud
- ✓ SAP Build Code (Beta)

Procurement

✓ Content recommendations in category tools

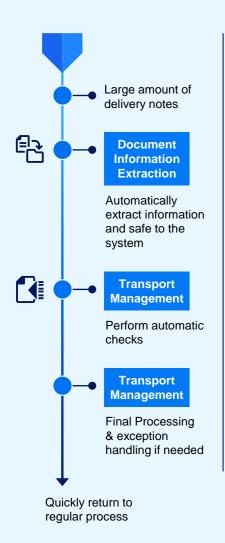
Sales, Service, Support

- ✓ SAP CX AI Toolkit
- ✓ Al-assisted content generation

Industries

- ✓ SAP Intelligent Product Recommendation
- ✓ SAP Predictive Replenishment

Save up to 55% of delivery note processing costs with SAP Transportation Management Intelligent goods receipt analysis



Challenge

- Processing high volumes of daily deliveries while ensuring accurate freight orders
- Manual process is time-consuming, error-prone, and leads to manual rework, with the potential to cause significant delays and inefficiencies

Solution

Digital Supply Chain – Transportation Management

- Extraction of all relevant information automatically from the document e.g., Delivery note and post data to the system
- Automating processing incl. Checks
- System can flag exceptions in freight orders, allowing clerks in the back-office to handle them and speed up the process for trucks without exceptions

Benefits

- Automated checks can be conducted with greater accuracy, minimizing errors and reducing the time required for manual checks
- Leading to overall a significant reduction in the hours spent on manual checks and waiting times for logistics carriers
- Ultimately improving operational efficiency and saving valuable time

Average Business Value for Customers
Calculation Method / Assumption In Notes

Saves €0.42

Per page of a delivery note*

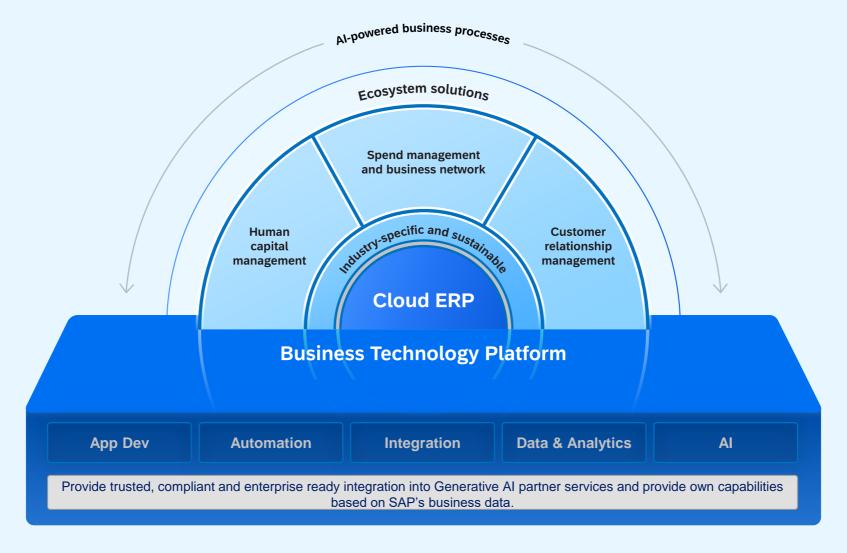
Up to 80% Instant Accuracy

Customer / LoB Spotlight

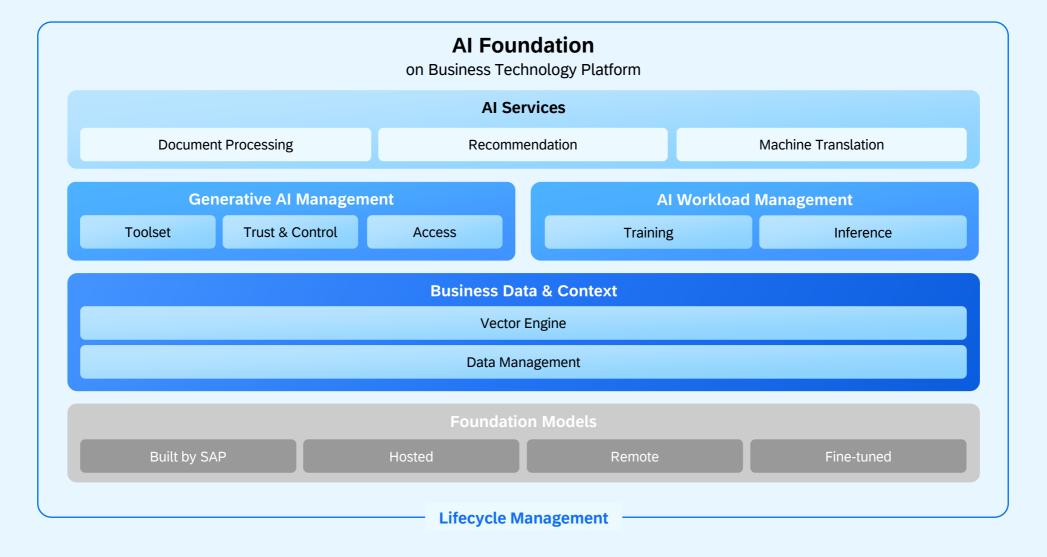
Up to ~730k€/yr Expected Savings
Per Factory

- * Assumptions:
- Average field recognition rate: 80%
- Human cost rate: 50.- Euro/hour
- Today's manual processing time per page: 1 minute
- Calculated by savings of labor cost minus cost for DOX service

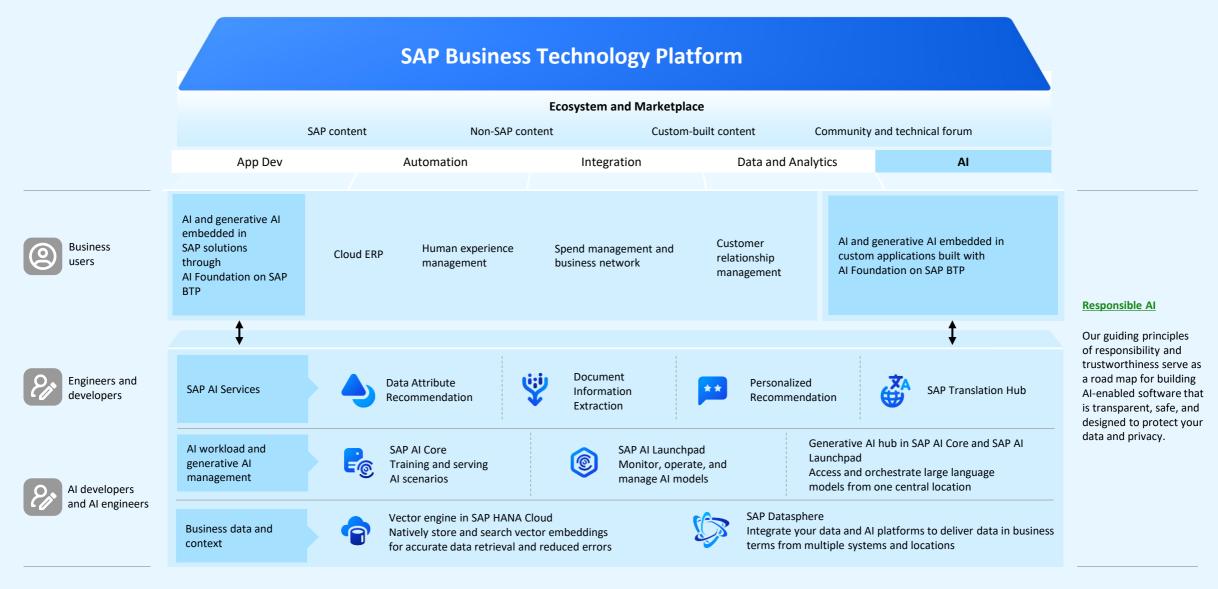
BTP as enabler to infuse Generative AI into our entire portfolio



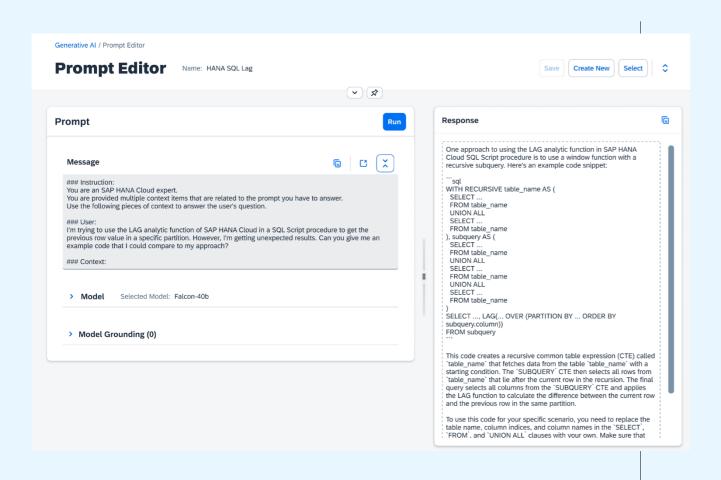
A complete set of services for AI developers on SAP BTP



Al with SAP Business Technology Platform



Explore models and engineer better prompts with generative AI hub playground in SAP AI Launchpad





Explore

the possibilities and responses of different models with a single click



Create

requets that best satisfy your needs in a dedicated prompt engineering tool



Manage

The lifecycle of your prompts to guarantee their best usage into your applications

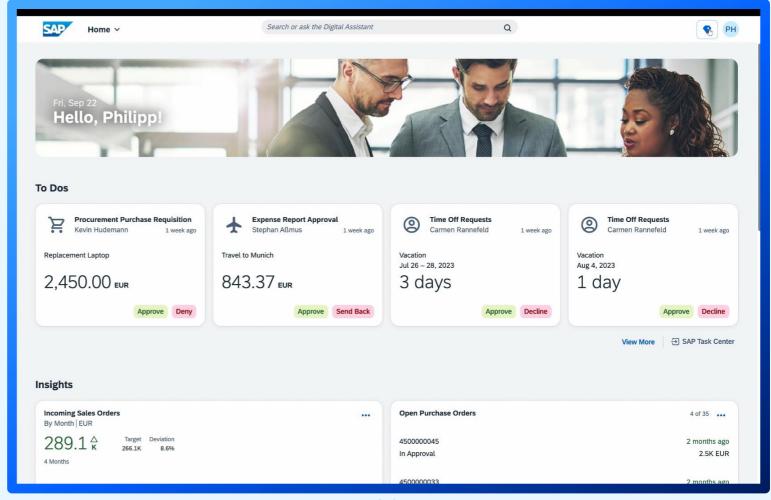
Joule - the AI copilot that truly understands your business

Work faster with an Al copilot that truly understands your business

Benefit from smarter insights and quick answers on demand

Achieve better outcomes when creating content, code, and more

Maintain full control over decisionmaking and your data privacy

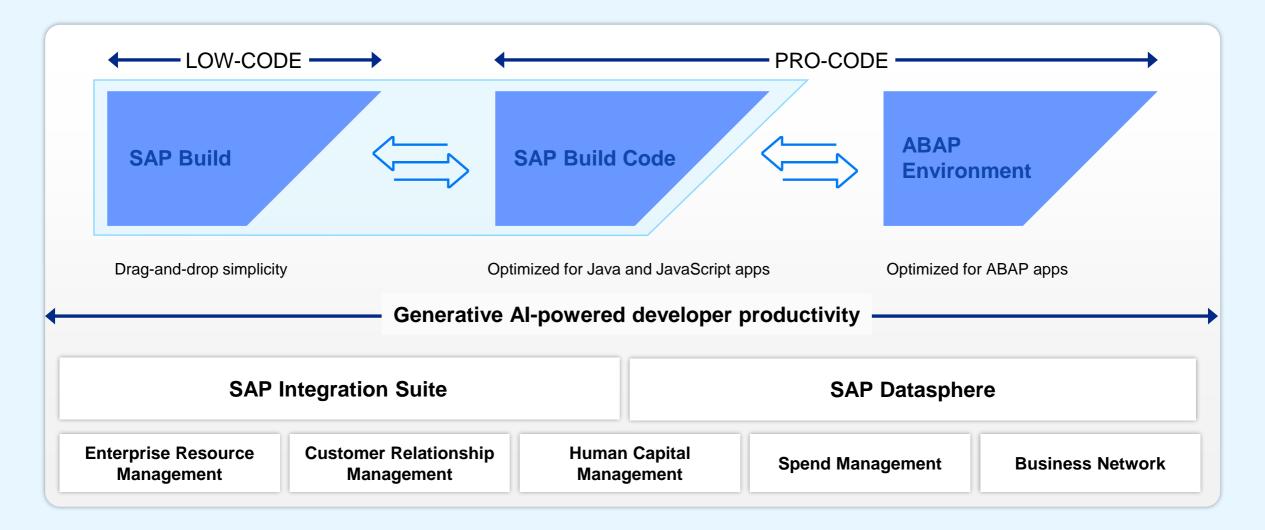


Joule

Note: Planned availability in SAP business applications at different times, starting with SuccessFactors and SAP Start in Q4 2023.

Application development and automation on SAP BTP

Integrated solutions enabled by generative Al



Unlock insights with Al-infused SAP Data & Analytics Portfolio

SAP Analytics Cloud Extended Planning and Analysis



SAP Datasphere
Business Data Fabric



SAP HANA Cloud
Intelligent Data Application



Conversational

Access swiftly to insights and accelerate your use of major workflows using natural language and leveraging large language models

Augmented

Get accurate and consistent insights for fact-based decision-making

Predictive

Predict potential outcomes, generate forecasts and automate predictive planning

Governed

Provide proper and governed data foundation for Al cases, incorporating semantically rich data from SAP and non-SAP sources

Open

Integrate SAP Datasphere with AI-enabled stack of tools and processes through an API-first approach

Simple

Achieve business outcomes faster and easier with innovations, such as automated modeling

Intelligent

Empower developers to build apps that utilize multimodel and machine learning capabilities and connect to vital business data

Integrated

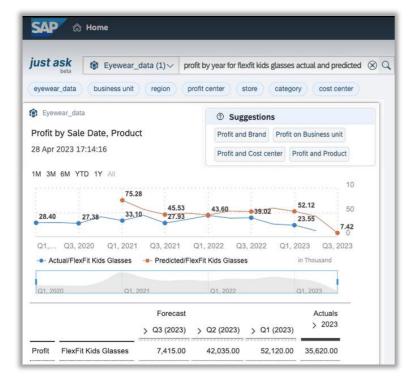
Process, store, and analyse any data type – relational, geospatial, graph, JSON, and vector – in one flexible and adaptable database

Secure

Provide private context to generative AI applications via similarity search against high-dimensional embedding vectors

Get answers to business questions in natural language in SAP Analytics Cloud AI-powered queries for analytics in natural language





CHALLENGE

- Information consumers have little to no experience with analytics tools
- Information consumers access to insights is limited to existing dashboards
- IT teams face challenges to keep up with growing business demand for insights

SOLUTION

Just Ask for SAP Analytics Cloud

- Empower Information consumers to get answers on their own
- Scale the use of analytics & fully leverage your data assets
- Analytics teams can focus on delivering strategic insights

OUTCOMES

Accelerate

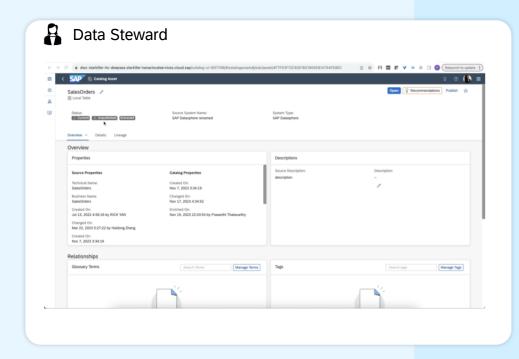
Access to relevant insights

Increase

Analytics adoption for the 80% occasional users

Users to answer their business questions

Enhance data discoverability with GenAI in SAP Datasphere GenAI automatically populates the data catalog metadata



CHALLENGE

The Data Catalog in SAP Datasphere enables users to enhance their data assets with various enrichments like business descriptions, hierarchical tags and glossary definitions. This helps better discovery and understanding of their data. However, with millions of data assets in their landscape, adding enrichments for each asset is manual and cumbersome.

SOLUTION

The fields in the data catalog get filled out with suggestions automatically requiring only the click of a button.

OUTCOMES

Enhance

Data discoverability

Save

Hours of manual efforts

Easy

Handling for the user

SAP HANA Cloud Vector Engine

Storing Embedding Vectors and Similarity Search



CHALLENGE

- Generative AI Retrieval Augmented Generation (RAG) scenarios by providing business context using embedding vectors
- Semantic search, clustering, outlier detection, ...

SOLUTION

- Store high-dimensional vectors along enterprise data
- Run fast vector searches using SQL
- Combine results from vector-based similarity search with other SQL operations like joins, filters, aggregations
- Enable Generative AI applications with out-of-the-box vector engine capabilities in SAP HANA Cloud

OUTCOMES

Generate

Coherent and fact based responses with business context

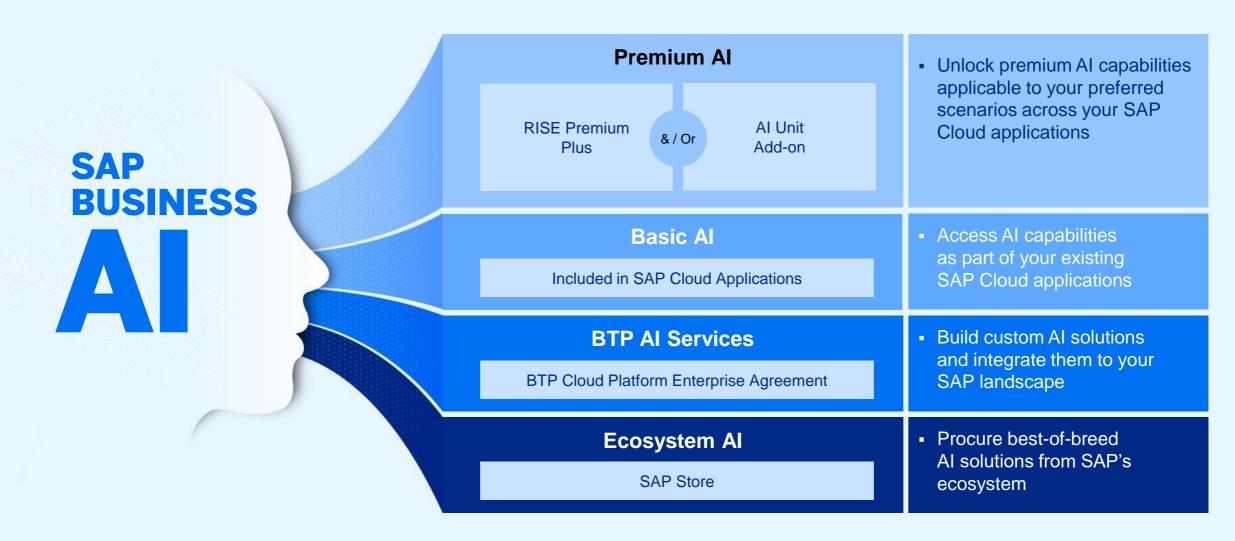
Reduce

Significantly the model 'hallucination' behavior

Secure

Sensitive and confidential information

Customers already benefit from artificial intelligence capabilities as part of SAP's Cloud applications and will soon be able to unlock new premium features



It's time to realize your potential with Business AI from SAP



99% of incoming payments automatically assigned

