

teradata.

Accelerating AI and ML at Enterprise Scale

Give stakeholders across the enterprise access to more insights. With Teradata VantageCloud and Amazon SageMaker, you can move your advanced analytics projects into production faster, unlocking the full power of your data.



- Public Sector
- AWS PrivateLink Ready
- Amazon SageMaker Ready

- AWS Marketplace Seller
- Data & Analytics Software Competency

What's the cost of the AI/ML scalability dilemma?

The top reasons enterprise analytics projects fail include:

- Inefficient data preparation
- Lack of flexibility to use preferred tools/models
- Difficulty scoring data live at scale

Recent estimates suggested between \$9.5 and \$15.4 trillion in value could be unlocked with advanced analytics.¹ Artificial intelligence (AI) and machine learning (ML) were highlighted as crucial drivers of that value.

But despite increased investments in analytics solutions, AI, and ML, companies today are still struggling to capture real value from their analytics projects. Gartner predicts only 20% of analytic insights will deliver business outcomes.²

\$15.4 trillion

Value that can be unlocked with advanced analytics

74%

Organizations that haven't moved their Big Data/AI initiatives into widespread production³

20%

Of analytic insights will deliver business outcomes

¹ McKinsey Global Institute, Notes from the AI Frontier: Applications and value of deep learning

² Gartner, Our Top Data and Analytics Predicts for 2019, Andrew White, January 3, 2019

³ 2022 NewVantage Partners Data and AI Leadership Executive Survey

Move AI/ML projects into wide-scale production in weeks with Teradata and Amazon Web Services (AWS)

Together, Teradata VantageCloud and Amazon SageMaker empower enterprises to overcome scalability challenges and quickly drive measurable business value from their analytics investments.

Teradata VantageCloud is the complete cloud analytics and data platform to democratize data access, operationalize analytics, and reduce waste through improved cost visibility and management. The cloud-native architecture scales elastically and cost effectively to meet organizational needs and executes complex analytics with data science tools and languages such as SageMaker.

Teradata ClearScape Analytics are the powerful and connected analytic capabilities embedded in VantageCloud that accelerate data preparation and can be used to deploy and monitor models at scale.

Amazon SageMaker is a fully managed service that enables developers to create, train, and deploy AI and ML models in the cloud, on embedded systems, and on edge devices. SageMaker is one of the fastest growing services in AWS history. It's used by hundreds of thousands of data scientists and tens of thousands of customers globally.

Drive faster time-to-value and greater ROI with analytics solutions that put you first

The seamless integration between SageMaker and VantageCloud makes it easier to divide the analytics process into three phases. The result is greater efficiency and flexibility to architect the best solution using the appropriate technology, languages, and frameworks.

ANALYTICS 1-2-3

Step 1: Prepare data

With VantageCloud, organizations can quickly connect disparate data sets across third-party systems, data lakes, and object stores. Using ClearScape Analytics, data can be transformed into rich, reusable analytic data sets that can be landed automatically and at scale in Amazon S3.

Step 2: Train models

SageMaker can use the analytic data sets from S3 to build and train high-quality ML models fast by providing a broad set of ML components and capabilities. It's designed to reduce effort, lower costs, and get ML models into production as quickly as possible.

Step 3: Deploy models

Once the models are trained, they can be operationalized in VantageCloud. API integration with SageMaker offers direct, transparent, real-time access to SageMaker models. Deploying these models to conduct live data scoring in VantageCloud delivers the crucial insights needed to drive business outcomes.

Unlocking possibilities across industries

Enterprises across all industries are investing in AI/ML for a variety of use cases, including:

- Fraud prevention
- Churn reduction
- Supply chain optimization
- Telemetry analytics
- Catastrophic infrastructure failure prevention

With VantageCloud and SageMaker, organizations can accelerate AI/ML projects to deliver data-driven insights that power real-world business outcomes.

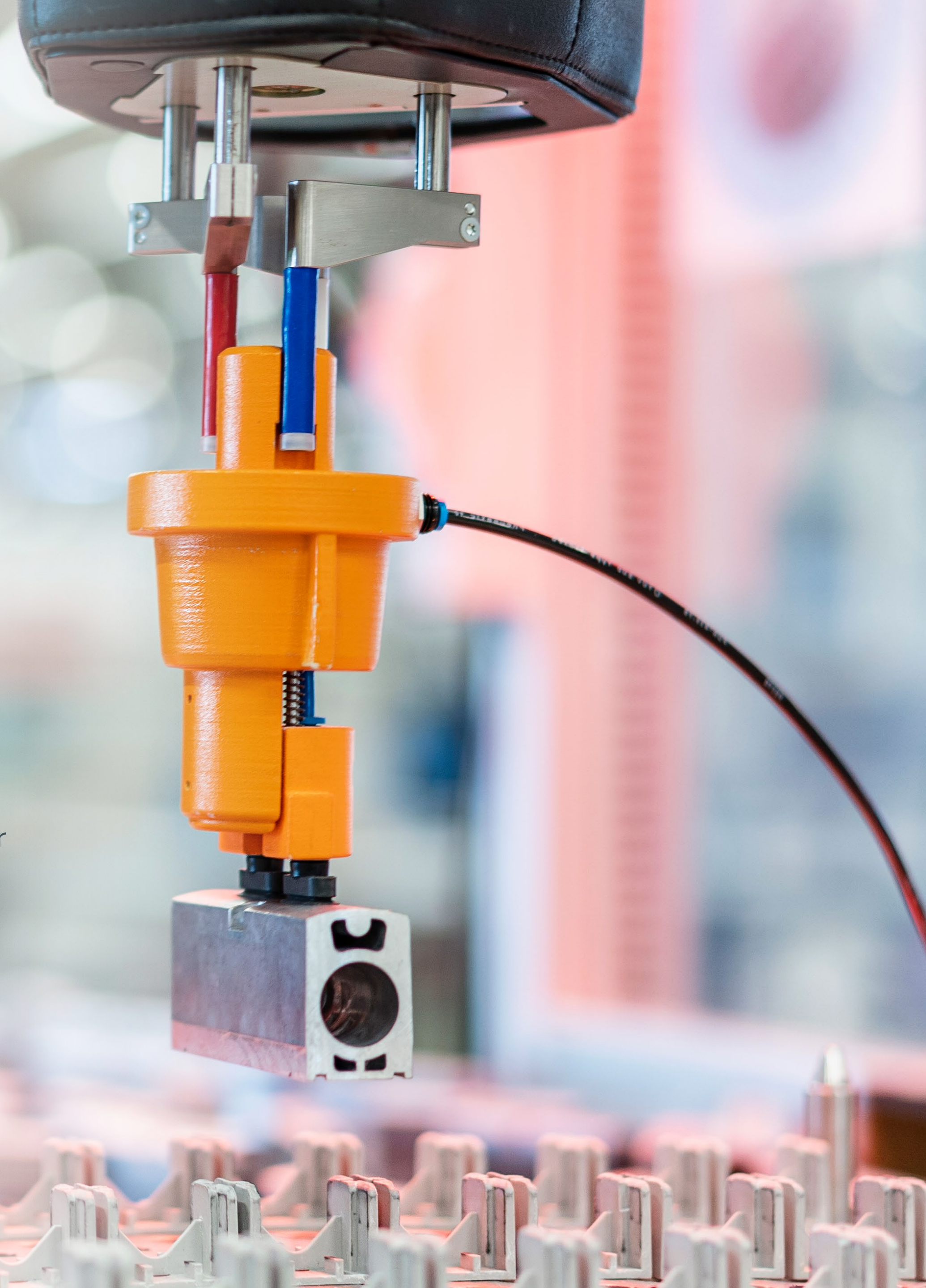
Unlocking insights makes more possible in Manufacturing

Enable predictive maintenance and more uptime

Manufacturers can preempt the failure of vital machinery or components using advanced analytic algorithms on telemetry data, reducing downtime and maintenance, lengthening service life, and improving inventory planning.

Improve predictive quality and yield

AI and ML help manufacturers identify the root cause of process-based losses related to factors like quality, yield, and energy efficiency, thereby protecting their bottom lines.



Unlocking insights makes more possible in **Financial Services**

Improve credit risk prediction

Borrowers that don't make their payments are a top source of risk for lending institutions. To maximize risk-adjusted returns and accelerate their deployment, SageMaker and VantageCloud help financial institutions build and deploy high-quality ML models that predict the likelihood of loan defaults.

Enhanced customer onboarding

Leverage early transactions and interactions to develop customer 360 profiles that enable customized experiences. VantageCloud and SageMaker accelerate the predictive analytics that help institutions increase revenue, reduce attrition, and maximize satisfaction.

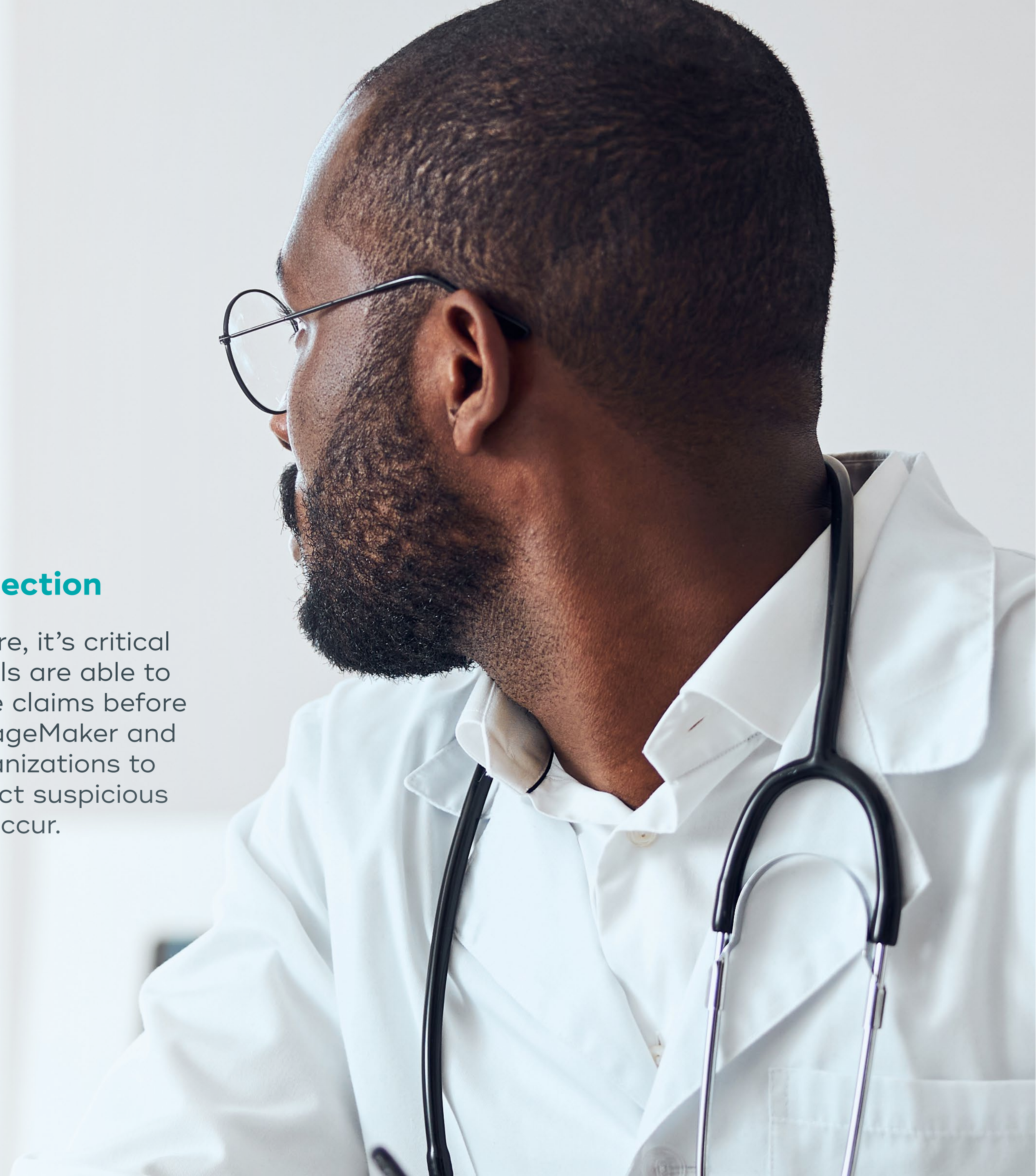
Unlocking insights makes more possible in Healthcare

Improve clinical decision making

Healthcare and life sciences organizations need to be able to quickly understand text in medical documents such as patient forms. SageMaker and VantageCloud help organizations to build and deploy ML models to automatically extract, process, and analyze data from handwritten and electronic documents more quickly and accurately.

Strengthen fraud detection

To keep patient data secure, it's critical that fraud detection models are able to spot suspicious healthcare claims before they impact customers. SageMaker and VantageCloud enable organizations to build ML models that detect suspicious transactions before they occur.



Unlocking insights makes more possible in **Telecommunications**

Increase Network Profitability

A smart network roll-out and customer experience-based operations are powerful levers for profitability. VantageCloud and SageMaker equip operators with the ability to consider multiple factors, such as granular cost details, service quality, and legacy equipment decommissions, among others.

Guide Customer Journeys

Customers expect seamless and consistent always-on experiences across touchpoints. VantageCloud and SageMaker provide insight into individual customer journeys, enabling companies to proactively steer each customer to faster service resolution, an improved usage experience, and successful sales.

Scale Your Analytics, AI, and ML Initiatives Faster with Teradata and AWS

Schedule a demo

Email aws@teradata.com to schedule a VantageCloud and SageMaker demo with a Teradata team member.

17095 Via Del Campo, San Diego, CA 92127 [Teradata.com](https://www.teradata.com)

The Teradata logo is a trademark, and Teradata is a registered trademark of Teradata Corporation and/or its affiliates in the U.S. and worldwide. Teradata continually improves products as new technologies and components become available. Teradata, therefore, reserves the right to change specifications without prior notice. All features, functions and operations described herein may not be marketed in all parts of the world. Consult your Teradata representative or [Teradata.com](https://www.teradata.com) for more information.

© 2022 Teradata Corporation All Rights Reserved. Produced in U.S.A. 11.22



teradata.