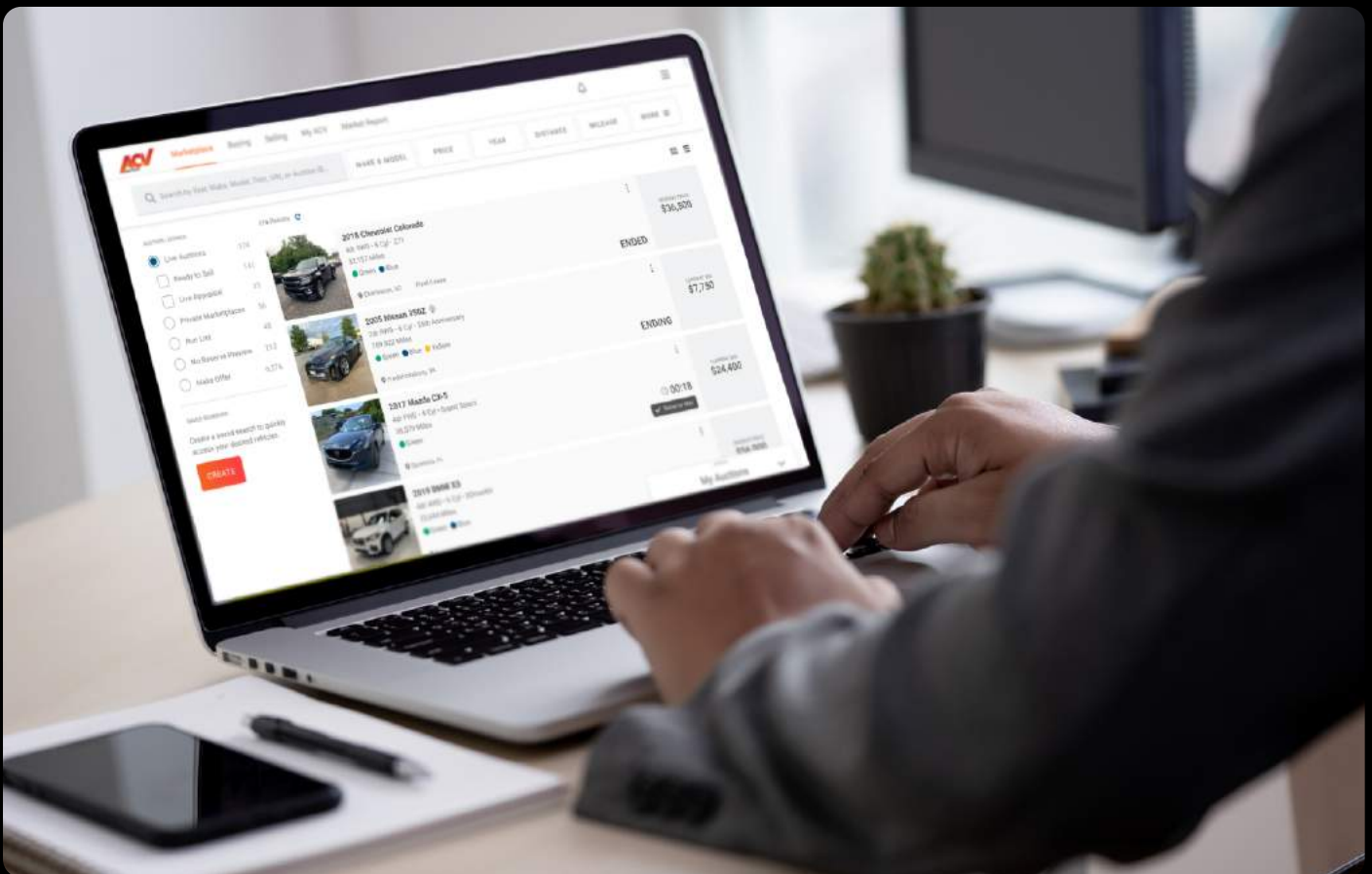


# How A Multinational Pharmaceutical Company Uses Cyera To Improve Data Security And Compliance



CASE STUDY

Anonymous

INDUSTRY

pharmaceutical Services

REGION


New York, US

# Customer Story Summary

## INDUSTRY

Business Services

## CLOUD PROVIDER

 Amazon Web Services

## QUANTITY

Over 9PB of Data

## REGION

New York, US

 Microsoft 365

Over 2 million Records



## CHALLENGES

- A vast cloud environment with large amounts of sensitive consumer and third-party data
- Encryption of sensitive data at rest and in motion
- Limited visibility into data access and modification



## RESULTS

- Data inventory and visibility
- Improved security posture
- Increased operational resilience and preparedness
- Adherence to operational data privacy regulations



## Challenge

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The company conducts pharmaceutical research and development. They work with innovative companies, research hospitals, academic institutions, scientists, and organizations to solve unmet medical needs. Data and data insights are leveraged to drive scientific innovation, collecting and storing data in AWS and sharing it across the organization using Microsoft 365, including patient data, research data, clinical trial data, and patent information. With a global presence, the company already stores over nine petabytes of data. This data is sensitive due to business, research and development, compliance, and privacy concerns, and they believe deeply in their responsibility to protect and manage that data.

Transparent and responsible sharing and reuse of health data are integral to the company's mission to discover and deliver life-transforming treatments, which is why it is critical for the security team to make certain that the diverse types of data stored in cloud environments are encrypted at rest and in motion. The collection of health data is rapidly increasing, keeping pace with technology and collaborations within and outside of health systems. The company is also now collecting patient data and feedback, further adding to the complexity and quantity of data. This ever-growing health data requires not only the protection of individuals' personal data but also the proprietary data belonging to third parties, creating new challenges for their security teams to govern data access and modification.



## Solution

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The company chose Cyera's data security platform to analyze its cloud data stores. In just five minutes, the company deployed Cyera on several hundred accounts, quickly discovering all data stores and identifying over nine petabytes of data. They integrated Cyera's data into Splunk to create a centralized data lake with information and context on all their cloud data, which will help them rapidly identify and remediate any potential security and privacy risks present within it. Cyera helped to ensure that:

- 1 Sensitive data across the cloud environment is securely stored and encrypted both when at rest and in motion**
- 2 Logs are configured for maximum visibility into data access and modification**
- 3 Data and security analysts could establish data lineage and govern access**

Cyera worked with the company's security team to elevate the company's security posture and compliance capabilities. This decreased the company's business continuity risks while responsibly sharing and reusing health data to advance medical innovation and improve patients' health. Using Cyera, the company was able to quickly identify its personally identifiable information (PII), guarantee that it had the information needed to put guardrails around its sensitive data, and identify and secure data stores.



In just five minutes, the company deployed Cyera on several hundred accounts

“Cyera helps us create a security posture and compliance framework to more effectively share data across stakeholder groups.”

Cloud Security Architect



# Results

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## **Complete data inventory and visibility**

Cyera enables the company to quickly discover all the sensitive data that it manages. The identification of sensitive data gives the company the ability to create a more transparent process for sharing and reusing health data to advance the field of medicine. Cyera verifies that data is collected, used, reused, and shared responsibly in a way that supports scientific discovery and advancement.

## **Adhere to healthcare data privacy regulations**

By increasing visibility into the data, the company is fully equipped to adhere to regulations regarding data processing. Cyera assists in considering data-sharing requests in such a way that it maintains trust with society and protects the personal data of individuals and the proprietary data of other third parties. The completeness of data inventory allows the security team to generate reports for the executive team and other stakeholders that communicate the company's data security and compliance posture, showing that the data is governed properly and has proper access control.

## **Improve security posture, reduce the attack surface, and automate remediation workflows**

Due to the quantity and complexity of the company's cloud data, it is critical for the security team to verify that their security posture is strong. While the absence of data exposure or a data loss is always a sign of success, the company wants to make certain that the attack surface is minimal and remediation workflows are automated. They are now able to:

- 1 Create and tune risk metrics to protect the most sensitive data**
- 2 Define internal remediation workflows**
- 3 Define roles and responsibilities across business units and Incident response teams**
- 4 Integrate Cyera with the internal ecosystem, including the security information and event management (SIEM) solution, data catalog, and workflow automation**

## Operational resilience and preparedness

As a global organization with many partnerships and collaborations, the company believes it is imperative to be able to recover from or adapt to any occurrence that may impair its ability to perform mission-critical functions. To assure operational resilience and preparedness for adverse events, the company dedicates considerable efforts to increasing the security and protection of its data.

The pharmaceutical leader builds trust with consumers and partners by using Cyera to help it:

- **Create custom policies and rulesets** to ensure internal compliance with data policies
- **Maintain compliance with industry regulations** around data retention and deletion
- **Communicate strategy and executive-level accountability** across the enterprise

The company relies on Cyera to gain visibility into its cloud data across a broad cloud environment, assure data governance and compliance with regulations, and protect the sensitive data belonging to individuals and the proprietary data of third parties. As cloud data continues to proliferate, the company is committed to securing and protecting the data it collects, procures, licenses, and acquires while maintaining appropriate visibility and control.

## About Cyera

Cyera is reinventing data security. Companies choose Cyera to improve their data security and cyber-resilience, maintain privacy and regulatory compliance, and gain control over their most valuable asset: data. Cyera instantly provides companies with a holistic view of their sensitive data and their security exposure, and delivers automated remediation to reduce their attack surface. Learn more at [www.cyera.io](http://www.cyera.io), or follow Cyera on [LinkedIn](#).

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