BEDROCK
SECURITY

How Bedrock Security Enables House Rx to Protect, Map, and Audit Ever-Increasing Volumes of Data

Solution

House Rx initially turned to Bedrock Security because the legal team wanted a data map of the entire environment to ensure employees were offboarded appropriately and that personally identifiable information (PII) and protected health information (PHI) was accessible only to specific roles and locations. Bedrock enabled House Rx to automate data mapping, detect who had access to what data in every environment, and get actionable alerts on access changes and critical issues. The ability to accurately assess risks and remediate them quickly provides House Rx with a strong foundation for data security.

House Rx is a healthcare technology and services company focused on making specialty medication more accessible and affordable for patients. The company provides services and technology support to specialty clinics across the country to help providers dispense medications directly to their patients — enabling better patient outcomes, a lower cost of care, and a better experience for patients and their caregivers. House Rx is a rapidly expanding company that manages terabytes of cloud based PII and PHI in production environments that must be protected, mapped, and audited. The volume of data is anticipated to grow 10x to 30+ terabytes in the next year as the company onboards more clinics.

With a solution delivered using Amazon Web Services (AWS) cloud infrastructure, House Rx is concerned about meeting the security requirements needed to protect sensitive information. House Rx's security team must handle audits, provide documentation, fix all identified security vulnerabilities, and identify weak points in the system.

Led by Joshua Willis, the Director of Security & IT, and enforced and the project led by Andrew Kuhn, Product Security Engineer, the security team works hard to ensure they are identifying and mitigating data risks, able to respond to data breaches and investigations quickly, and ensuring employees are rotating their AWS keys, among many other responsibilities. The request from the legal department for a data map required hours of effort from the security team and resulted in a

House Rx

INDUSTRY
Pharmaceutical/Technology

LOCATION/HQ
San Francisco, California

DATA TECHNOLOGY ENVIRONMENT
Data stores: 350+
Data tables: 3500+
Data records: 10M+
Monitored identities: 1000+

Challenges

↳ Meeting strict security compliance and auditing requirements with an internal security team

↳ Balancing data security practices and controls in an agile technology and pharmacy startup

↳ Managing rapidly increasing volumes of personally identifiable information in production, test, and development cloud environments

complicated chart that was difficult to navigate and understand. Bedrock enabled House Rx to save hours of effort every week by automating data mapping.

And although House Rx already had multiple security tools in place, including Snyk and Jet, the team was getting dozens of alerts for a single issue, resulting in alert fatigue. Now, Kuhn checks Bedrock daily to review and quickly prioritizes critical alerts. Kuhn said, "When I get alerts for our infrastructure and it shows that an S3 bucket doesn't have the right security group, I can quickly look at the bucket within Bedrock to see what

> "Bedrock exceeded our expectations.
> It basically gave us X-ray vision into the infrastructure of our system."

Andrew Kuhn, Product Security Engineer at House Rx

type of data it is, whether it contains PII, and ask the development team whether this something that needs to be blocked."

Data Mapping for Complete Visibility

As House Rx grows and onboards new customers, Kuhn works with auditors to maintain Service Organization Control Type 2 (SOC 2) compliance, which ensures that third-party providers store and process client data securely. Willis works closely with customers to ensure that House Rx is meeting their security needs. Because House Rx combines personal information with medical information, it's critical to have a map of the data across all environments to ensure said data is adequately protected and only approved parties have access to it. "You don't understand how involved infrastructure is until you start trying to create a data map. The effort of doing it manually is insane," shared Kuhn.

With Bedrock, Kuhn and Willis now have insight into PII and PHI across development, test, and production environments. Bedrock automates data discovery, data mapping and identifying who all has access to the data discovered. "Within a week of implementing Bedrock, we noticed

☰ Results

↳ Helps House Rx meet the security and regulatory compliance obligations required by the pharmaceutical and healthcare industry

↳ Automates data mapping and critical alerting, allowing the in-house security team to accurately assess and remediate data security and compliance risk quickly

↳ Provides visibility for House Rx across the entire cloud environment and ensures data security without compromise

some unexpected data in our lowest development environment. This prompted us to review our system configurations and ensure everything was aligned with our protocols," stated Kuhn.

Managing Data Access and Tracking Data Extraction

Bedrock shows House Rx the users, services and third-parties that have access to PHI data across environments on a daily basis and highlights changes in PHI exposure to new users. Recently, Bedrock flagged a developer who needed an admin role for testing and self-approved his access. This issue would have been flagged in a SOC 2 audit, but Bedrock enabled Kuhn to identify and address the access issue immediately.

The dashboard shows where traffic is originating and what that traffic is attempting to access. Bedrock also shows data extraction, including the internet protocol (IP) addresses for all access requests, which is important information when there are large downloads occurring. Kuhn shared, "I saw one person had a large data extraction, so I reached out to ask him why that was happening. The developer explained that he was doing some restructuring, which is fine. But in security, you expect the worst, and being able to quickly see that large volumes of data are being extracted and investigate why is vital to protecting the security of our client's data."

Supporting Future Growth

Kuhn and Willis are building a culture of security at House Rx to protect the company and its customers. As the company continues to grow and expand, Bedrock will provide House Rx with the capabilities needed to keep pace with a rapidly growing data estate without compromising on speed or causing other business units to see security as a blocker. Kuhn and Willis rely on Bedrock to discover data, track data movement and contain policy / control violations efficiently within a single platform, streamlining their compliance efforts and reducing operational expenses.

> It was wonderful to see how our data maps from A to B to infinity. Being able to look at a certain user and follow along on a map to see what that user can access, how they can access it, and where they can access it from in Bedrock's platform, was phenomenal, especially as somebody who was sitting here trying to do it manually,"

-Andrew Kuhn

60+ HOURS

Saved per week by House Rx with Bedrock by eliminating manual effort for data security.

House Rx's security team will continue to use Bedrock to further reduce risk by:

↳ Enabling the security team to limit data access to select individuals using role-based permissions

↳ Minimizing multi-tenancy data integrity concerns despite rapid growth in deployments

↳ Simplifying data loss prevention and tuning without relying on slower, rule based solutions

About House Rx:

House Rx is a technology-enabled service company focused on making specialty medication more accessible and affordable. We do so by helping clinics dispense specialty medications to their patients in a medically integrated way using pharmacist expertise and modern technology.

By helping physicians and pharmacists collaborate on patient care, we're able to improve patient outcomes, lower the cost of care, and create a better experience for patients and their caregivers.

About Bedrock Security:

Bedrock Security, the frictionless data security company, is revolutionizing data security in the cloud and GenAI era with its leading data security platform powered by the industry's only AI Reasoning Engine (AIR). Bedrock delivers the speed, scale, and precision demanded by modern enterprises to embrace the explosive growth of data without introducing risk. Headquartered in the San Francisco Bay Area and backed by Greylock, the company is led by industry veterans in cloud data management and cybersecurity. To learn more, visit https://www.bedrock.security/.