

Caris Life Sciences Utilizes Apono to Quickly and Securely Access Sensitive Health Data

INDUSTRY

SIZE

HQ

URL



Health



1400



Dallas, TX

carislifesciences.com



99%

Reduction in time waiting for access



Meet Caris Life Sciences

Caris Life Sciences® (Caris) is a leading next-generation AI TechBio company and precision medicine pioneer. Through comprehensive molecular profiling and the application of advanced AI and machine learning algorithms, Caris has created the large-scale, multi-modal database and computing capability needed to analyze and unravel the molecular complexity of disease. Caris' digitized data is stored in hybrid on-prem and AWS environments.



Challenge

Cloud Adoption Introduces Access Risks

Operating under the tight regulations of HIPAA and other regulatory requirements, Caris Life Sciences needed to ensure that access to specific resources containing Protected Health Information (PHI) was controlled securely.

"Due to the sensitive nature of Caris data, our team required a solution that enabled secure access to the S3 buckets in AWS, as well as access to the folder level for more granular segmentation," said Ronen Niv, Sr. Director of Engineering at Caris.



Solution

Implement Least Privilege Without the Headache

Caris selected Apono's Cloud Access Security platform as it allows for exceedingly precise controls in the cloud.

Using Apono's platform, the Caris developed Access Flow policies providing Just-in-Time access to individual S3 folders. This pinpoint approach ensured that researchers could access the needed resources while restricting access to other folders in the same S3 buckets.

"We've implemented Apono's privilege management capabilities to control not just who can access resources, but who can read-only, read-write, or have admin privileges for a given resource, helping to further reduce risk," Ronen said.

Apono integrated seamlessly into Caris' existing processes, reducing the need for additional manpower while enabling Caris to maintain strong access controls and visibility.



Outcomes

Faster Approvals with Delegation and Automation

In tackling the approvals delay challenge, the Caris team built out a number of Access Flows to specific sensitive resources in their cloud and on-prem environments and preassigned the right approvers. This saved everyone effort and time and allowed the teams to get to their data faster.

“Our data engineers control access to their own resources,” says Ronen. “This takes DevOps out of the middle since they don’t have to reach out for approvals. It improves the overall process, and we get the added value of all requests being fully documented.”

Caris now uses Apono’s auto-generated reports that continuously monitor and log all access actions with the team’s justifications to streamline audits for various compliance needs.

Researchers and developers quickly recognized that they could access needed resources within minutes instead of hours or days, which helped to eliminate unnecessary requests and downtime.

“Knowing that access will be provided in minutes keeps workflows on track,” said Ronen. “The efficiencies gained have been remarkable.”

The Apono platform was also used to successfully consolidated Caris’ on-prem Linux and HPC servers which further streamlined access management and reduced overhead costs.



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Ronen Niv
Sr. Director of Engineering
Caris Life Sciences






Next Steps in Expanding Use of Apono

After a successful implementation, Caris is evaluating Apono’s automated approval access flows for software development, further streamlining the provisioning process.

About Apono

Founded in 2022 by Rom Carmel and Ofir Stein, Apono is redefining cloud security with its Cloud Privileged Access Platform. With decades of expertise in cybersecurity and DevOps, Apono enables organizations to adopt just-in-time, just-enough privilege access, seamlessly bridging the gap between security and engineering teams. Trusted by Fortune 500 companies, Apono’s platform empowers enterprises to enhance operational efficiency while maintaining robust security controls. Recognized in Gartner’s Magic Quadrant for Privileged Access Management for two consecutive years, Apono is at the forefront of innovation in secure cloud access management.
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