



CASE STUDY

Gamma Force & Atropos Health

Transition from a narrow focus on compliance to a comprehensive approach to security.

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The Client & Why GammaForce

About Atropos Health

Atropos Health, formed in 2020 as a spin-off from the School of Medicine at Stanford University, has developed a physician consultation service which is supported by real-world evidence of publication quality. By utilizing millions of de-identified patient records, the company is able to aid healthcare providers in finding answers to clinical queries that have previously been neglected by evidence-based literature. Their pilot program, which spanned several years and 18 clinical specialties, generated new evidence supporting the success of the service.

Despite being headquartered in Palo Alto, California, in the United States, Atropos Health operates with a fully remote work setup. This allows their team to collaborate and provide services to clients from anywhere, leveraging modern technology to bridge geographical boundaries.

Atropos Health is at the forefront of advancing evidence-based medicine and driving meaningful impacts in the healthcare industry.



Choosing Gamma Force: The Expertise, Referral, and Differentiators that Made Atropos Health's Decision a Success!



Atropos Health engaged Gamma Force to help them address their unique challenges and achieve their desired outcomes. Gamma Force was chosen for their established track record in assisting Healthcare IT companies and came highly recommended through a referral from a Gamma Force employee.

Atropos Health had previously worked with a different service provider, but they were unable to deliver on execution beyond general recommendations. As a result, Atropos Health sought out Gamma Force's expertise in addressing their specific needs.

What set Gamma Force apart was their extensive experience in helping startups establish robust security and privacy programs, as well as their expertise in assisting Healthcare IT companies of all sizes in building and evolving such programs. Gamma Force's world-class engineers possessed leading capabilities in utilizing DevOps culture and practices in cloud native environments, making them uniquely qualified to address Atropos Health's challenges.

Atropos Health's expected outcomes from working with Gamma Force were to successfully migrate their infrastructure to AWS, establish a comprehensive security and privacy program that meets HIPAA compliance requirements, and complete a successful SOC2 audit. Gamma Force's expertise and capabilities were instrumental in helping Atropos Health achieve these desired outcomes, positioning them for success in their industry.



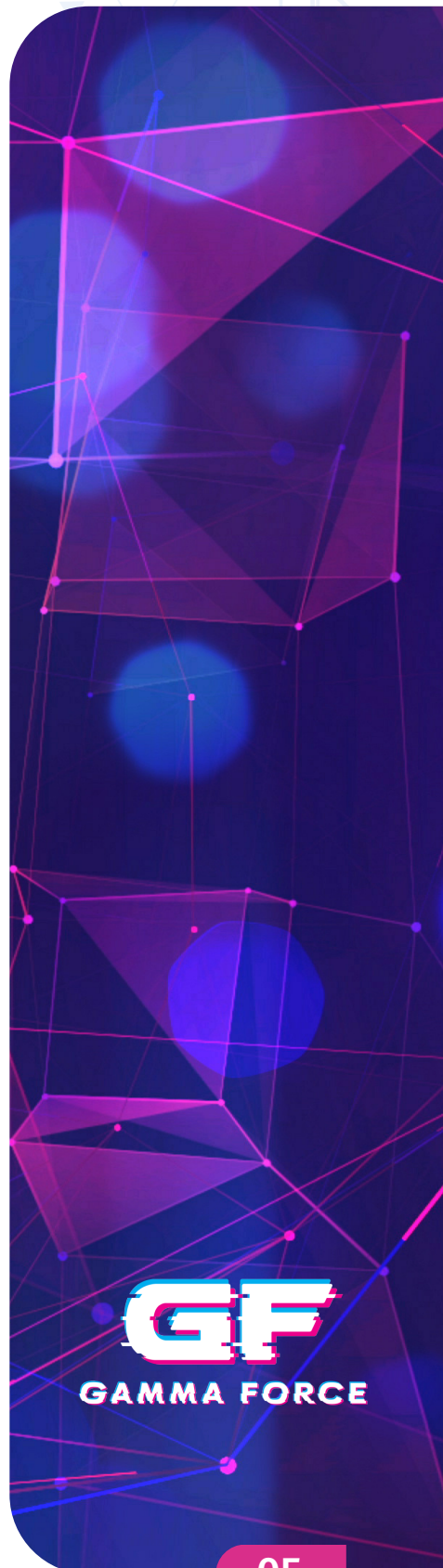
Challenges & proposed solution

Atropos Health's Challenges

Atropos Health embarked on an ambitious journey to enhance their infrastructure and compliance measures. Starting with their Minimum Viable Product (MVP), they initially built it on managed physical infrastructure, which was made possible through a service provided by one of their early customers. However, they had a vision to modernize their infrastructure and transition to a cloud-native environment using cutting-edge DevOps culture and practices on Amazon Web Services (AWS).

In addition to their infrastructure goals, Atropos Health had compliance objectives to establish a robust security and privacy program that adheres to the Health Insurance Portability and Accountability Act (HIPAA) regulations. They also aimed to successfully complete a SOC2 audit for the first time, demonstrating their commitment to maintaining stringent data security standards.

To achieve these objectives, Atropos Health enlisted the expertise of Gamma Force's cloud engineering strike team and vCISO (virtual Chief Information Security Officer). With their guidance and support, Atropos Health was able to accelerate their transition to a cloud-native environment on AWS, implement modern DevOps practices, and establish a comprehensive security and privacy program that meets HIPAA requirements. This partnership has helped Atropos Health take significant strides in achieving their infrastructure and compliance goals, positioning them for success in the dynamic health care industry.



Gamma Force's Solution



In approaching the challenge presented by Atropos Health, our team at Gamma Force leveraged our existing experience and expertise in cybersecurity and cloud engineering. We involved our Cybersecurity Advisors, Cloud Engineers, and vCISOs to ensure a comprehensive and strategic approach.

The solution we proposed included the implementation of Hyperproof, a Governance, Risk, Compliance tool, to standardize Atropos Health's security and privacy program with automated evidence collection and facilitate audits. We utilized technologies such as AWS (Workspaces, EKS, RDS), GitHub, and Terraform, taking into consideration the AWS Well-Architected Framework and our decades of experience in working with innovative technology organizations. Additionally, we assisted Atropos Health with their strategic approach to cybersecurity for their product and clients, including contract negotiation and facilitating customer questionnaires. The overall technology strategy focused on building the right solutions at the right time to support growth and enabling technology automation for scalability.

The timeline for the planning, design, and development of the solution varied depending on the specific aspects. The migration to AWS took approximately 4 months, while the implementation of the security and privacy program and the completion of the SOC2 audit took a year. As a trusted partner, we often work with our clients over multiple years, providing ongoing support and guidance to ensure their continued success.



Results

As a result of our work, Atropos Health has experienced immediate benefits such as reduced expenses associated with their previous infrastructure, increased speed to market with product and technology changes not tied to traditional infrastructure, and a robust security and privacy program that meets client expectations and streamlines the pre-sales process. These improvements have contributed to increased employee productivity and a better system/platform/software solution for Atropos Health.

Over time, our work with Atropos Health is expected to yield further benefits, including a more secure environment with reduced security and financial risk, an automated technology environment using modern practices, and the ability to better engage their market from a security and privacy perspective. Additionally, the implementation of a sustainable SOC2 audit, a security program that is implemented throughout the company and not tied to a single person or vendor, and a security program with reduced overhead through automation of evidence tracking using a GRC tool are expected to provide long-term benefits.

While specific KPIs, measurements, statistics, or ROI data are not available off the top of our heads, our collaboration with Atropos Health is currently at an advanced stage. The AWS infrastructure has been successfully implemented, the security and privacy program is in place, Hyperproof has been implemented, and the SOC2 audit is in its final stages, with the report expected to be issued by the end of July. These milestones demonstrate the progress and success of our collaboration with Atropos Health in achieving their objectives.



**Unifying people,
processes, and
technology to
deliver continuous
customer value**

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