

SUPPORTING STARTUPS WITH ENTERPRISE-LEVEL SECURITY SERVICES

Making the jump to enterprise-ready secure solution was first on the list of strategic goals for a robotic process automation (RPA) startup, and that required a significant upgrade to their cloud platform security hosted over Amazon Web Services (AWS). However, they didn't have the resources or expertise to manage such a complex project in-house. Propelex was requested to provide an integrated cloud platform security solution capable of supporting their leap to the next level.

IMPROVING SECURITY CAPABILITIES TO MEET THE NEEDS OF SCALING ENTERPRISE

The Client has an extensive infrastructure hosted on AWS environment that is essential to enabling their core mission, including powerful machine learning- and AI-led operations. They process and share highly confidential data with a wide variety of customers, partners, and organizations worldwide, using dedicated IoTs, SCADA networks, and several other cloud services.



To support their evolution from a medium size company to an enterprise, they required a buff to their cloud platform security that would:

- Ensure the AWS infrastructure, configurations, data, and application meet the security needs
- Secure data without harmfully impacting operational access and sharing



NAME UNDER NDA

- Scale appropriately to match organizational growth
- Understand and detect risks, then respond quickly to limit threats
- Support regular auditing, for system visibility and compliance support
- Enable insights that create a framework for continuous improvement

OUR APPROACH

The project was initiated within the following approach:

1. Understand and assess the complete cloud environment, from AWS infrastructure and client-facing web apps, to IoT devices and SCADA networks, and more
2. Design new security processes, technologies, and controls
3. Map out a strategy to implement change, with built-in metrics that track progress toward desired capabilities
4. System testing, quality control, and assurance
5. Train staff and implement a framework to ensure reliable performance and continuous improvement



THE RESULTS

The Client asked for an integrated AWS cloud platform security solution and the Propelex team delivered. Technology and capability highlights included:

- A single-pane tool was implemented that enhances security visibility, simplifies management, and reduces resource inputs
- Implemented new security controls – including role-based access control, separation of duties, multifactor authentication, encryption, and more – to provide a high level of assurance for data security
- Critical patching and updating functions were reassigned within an automated function that ensured all applications were up-to-date and compliant
- Developed a process for ongoing risk assessment and management, to ensure that risks were quickly identified and controls were applied before they evolved into threats
- Made scaling capabilities accessible with a built-in, simple to manage tool
- Training ensured that staff were able to do more, with a higher level of security and satisfaction

MEETING CUSTOMER NEEDS

RPA holds immense promise to support customers with lower operational costs, improved satisfaction, and support for optimal competitiveness. Propelex is helping ensure these benefits are maximally achievable, by partnering with emerging RPA enterprises to deliver reliability, scalability, and usability features for their cloud platform security.

