

CASE STUDY

2020



**Infopercept Strengthens
Security Posture of
AWS-Based RPA Platform
with Comprehensive
Cutting-Edge Security
Operations**

 **Infopercept**

CASE STUDY:

Background:



The client, a global giant in the RPA domain, with offices around the globe, has vast AWS-based IT infrastructure that drives its RPA platform, a bot store. With diverse reputed B2B clients buying from the RPA platform, securing the cloud infrastructure was a prerequisite, as the threat of cyber attacks looms large over B2B businesses irrespective of their size. The client had made a substantial investment in cybersecurity by deploying top-of-the-line solutions, but their unhappiness stemmed from the fact that they had no clear visibility into the contribution of their security investment for protecting their prized cloud-based assets. The client got in touch with us to get more clarity on their security framework and how they could better optimize their security deployments to experience more security value.

What's more, the client had a complex cloud environment, which had resulted in a complicated multi-layered security framework, that needed to be simplified from the purview of optimal management.

Challenges

- The client was concerned with the growing threat landscape and increasing incidences of advanced attacks such as zero-day exploits, DoS/DDoS attacks, ransomware attacks and wanted to improve their overall security posture, primarily with respect to incident response times.
- The client also wanted to control OPEX and CAPEX associated with the IT infrastructure, specifically the security infrastructure by implementing processes that helped leverage more ROI.
- The IT department wanted help in assisting, managing and securing cloud deployments so they could focus on other strategic priority tasks.
- The challenge was also to institute demanding security controls associated with data security and privacy protocols including GDPR, SOC2 and ISO 27001.
- The client had experienced sudden growth in demand for its services, which necessitated a scaling of the client's cloud assets, but this scalability did not align with the AWS security best practices; the need of the hour was to instill 'of the cloud' best practices.

Solution

From the get-go we recognized that the extent of the client's security deployment was not resulting in security ROI and the task was to ensure that the client was optimally leveraging all security investments:



Security 'of the cloud'

The first step in the process of security optimization was to ensure that the client's cloud infrastructure was architected to meet the security pre-requisites of AWS. The first step was to reconfigure specific security solutions across the AWS environment to help the client meet AWS' 'security of the cloud' guidelines. As the cloud infrastructure had been scaled up quickly, we had to redefine the framework complexities and streamline various solutions to ensure they met all AWS best practices.



Security 'in the cloud'

We adopted a 4-pronged approach to secure the platform in the cloud.

■ Test for Weaknesses – Offend the Defenses

The client had an entrenched security framework and we had to know whether it was enough from the risk perspective. To that end, we tested the client's cloud defenses with our Red Team who assessed each and every aspect of the framework for any weakness.

■ Security Operations Services

We configured the SIEM solution in such a way that it can now continuously conduct security status assessment and collate and correlate security events and incidents from across all security systems and networks to improve threat detection and incident response. We also helped set in motion proactive monitoring and threat hunting to zero in on suspicious and abnormal activities that can be a precursor of an impending attack.

■ Security Solutions Optimization

Our team implemented necessary steps to optimize existing security installations to maximize protection from the client's security framework. Our advisory and maintenance services are enabling the client to derive maximum value from their security infrastructure.

■ Achieving Compliance

We helped support the client's needs to be GDPR, SOC2 and ISO 27001 compliant by building a process, risk and compliance team to support compliance efforts on a continuous basis. The core focus was on unceasingly identifying security gaps that can impede the compliance goals of the organization.

Additional Solution

We also built an Automation Onboarding Center to automate all L1 tasks to ensure the IT team can now focus on the mission-critical tasks.

Result

The use of Infopercept's security services resulted in an increase of the client's bottom-line courtesy the optimization of security technologies. What's more, reputation and trust grew immeasurably as the client met tough regulatory guidelines established by GDPR, SOC2 and ISO 27001.

About INFOPERCEPT

Infopercept's vision and core values revolve around making organizations more secure through the core values of Honesty, Transparency and Knowledge, so as to enable them to make better informed decisions about their security practices & goals. With our synergistic vision to combine technical expertise and professional experience, we aim to further establish our place as a one stop shop for our clients and partners' cybersecurity and accreditation needs.

Our specialized core team comprises of experienced veterans, technical experts & security enthusiasts having good practical experience & thorough knowledge in the Cybersecurity domain, are abreast of the latest trends and security innovations; ensuring that you always get the best security approach & solutions for your specific business needs, exactly the way you want it to be.

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