

Solvay

Building cloud resilience with
automated security remediation



SOLVAY

Mitigating cloud risk at scale: Solvay automates cloud defense

Solvay, a global leader in specialty chemicals and advanced materials, manages an extensive and intricate cloud ecosystem that supports various business units and a wide network of third-party vendors. The recent, landmark spin-off creating Syensqo introduced a critical period of organizational change. During this transition, maintaining a robust security posture an absolute necessity to protect sensitive data and operations. Rappit's intensive, two-month security mission secured Solvay's digital infrastructure, protecting sensitive data and allowing the global leader to continue its journey for excellence without business disruption.

Challenges

- › **Massive scale and complexity:** Managing over 400 Google Cloud projects with distributed ownership led to inconsistent security standards and an overwhelming volume of Security Command Center (SCC) Enterprise findings.
- › **Rapid, measurable remediation goal:** The immediate objective was to achieve a rapid and measurable improvement, specifically reducing the number of open SCC findings by over 50%.
- › **Need for sustainable governance:** The challenge extended beyond remediation to establishing sustainable automated processes for ongoing security management across the entire organization.
- › **Business constraint and risk:** All security initiatives had to be executed without disrupting business operations, particularly while the company was simultaneously undergoing critical corporate changes.

Solvay needed a partner who could guarantee a strategic, risk-free security transformation during this period.

Solutions

- › **Diagnosis and analysis:** Rappit leveraged Google Cloud's native security tools, starting with Security Command Center (SCC) data analysis, to gain a centralized view of security posture and identify the most prevalent issues: OS, software, and container image vulnerabilities.
- › **Targeted technical automation:** A targeted remediation strategy was implemented, including the use of Ansible for automated OS patching and enforcement of old kernel removal, alongside enabling container analysis to automatically scan new images upon push.
- › **Workflow integration and governance:** Process automation was established by integrating SCC with Jira for automatic ticket generation and using Looker dashboards for real-time tracking, complemented by the creation of landing zone governance and security principles to prevent the recurrence of issues.



Results

- **Drastic reduction in risk:** The two-month security mission was a huge success, drastically improving Solvay's security posture and closing over 95% of the security findings.
- **Foundation of continuous security:** Established security as an ongoing, integrated operation by implementing automated workflows and governance principles, shifting from reactive cleanup to proactive security management.
- **Strategic and automated approach:** Proved the value of an automation-driven strategy using the Google Cloud security ecosystem, not only resolving immediate issues but building a robust foundation for continuous security and compliance.

"The critical Syensqo spin-off demanded uncompromising security. Rappit conducted an intensive focused mission, ensuring Solvay's cloud resilience and protecting sensitive data across our complex ecosystem during major organizational change."

Cristina Capatina, IT Cloud Tech Lead,
Solvay

"The robust security framework Rappit helped us establish is fully operational. We are now secure, focusing entirely on Solvay's new business goals and priorities. "

Cristina Capatina, IT Cloud Tech Lead,
Solvay

Google Cloud services used:

- › GCP OS Patch Manager
- › Security Command Center
- › Artifact Registry
- › VPC Service Controls
- › Organization Policies
- › Cloud Key Management Service (KMS)
- › BigQuery



Solvay

Solvay is a global leader in essential chemistry. Committed to developing chemistry that addresses key societal challenges. Innovation is a vital part of the company's DNA and has been connecting people and scientific minds for 160+ years. With around 9,000 employees in 41 countries they are led by a need for sustainable products, that will help shape a future where everyone thrives.

Solvay continued to strengthen its position as a leading global producer of essential chemicals, focusing on sustainability and operational excellence. Following its spin-off from Syensqo, the company centered its strategy on core businesses such as soda ash, peroxides, and silicates, which serve vital industries worldwide.

SOLVAY

Rappit is a leading independent software provider. Building on a proud heritage, we are experts in developing Cloud based Enterprise Software modernization solutions, that include Custom Made Applications, Data Analytics, Artificial Intelligence and Machine Learning. Based on the Rappit Platform, consisting of amongst others Rappit Developer and Rappit Composer, we enable our customers to create unique business value.

Rappit serves a customer base consisting of multinationals and medium sized organizations, mainly in the Manufacturing, Supply Chain & Logistics and Retail & Wholesale industries. Our Rappit Platform also supports software development companies and System Integrators in building world-class applications.

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