

AWS Security Service Provider

“With the Cloudvisory Security Platform (CSP) we now have visibility, orchestration, and enforcement of security policies in AWS, allowing us to rapidly expand in a secure fashion.”

EXECUTIVE SUMMARY

This Service Provider has been experiencing explosive growth over the last few years. A global leader of cloud services for customer engagement, communications and collaboration. Their offerings are designed to help companies worldwide improve service.

Their growth has been enabled by the cloud – Amazon Web Services (AWS) specifically. AWS has allowed them to scale operations quickly, supporting thousands of customers via their cloud based applications. With over 4000 virtual instances and growing, the company has a lot to manage.

CHALLENGES

With such rapid change and a need to support customers from all over the world, responsibility for security policies was pushed to developers, who began scripting policies as part of their orchestration processes. What seemed like a good idea during early phases of the company, quickly became a concern for the Security Organization. The concerns were:

- 1 VISIBILITY**
Security could not see what policies had been deployed. AWS was a “black-box.”
- 2 CONSISTENT POLICY**
Once deployed, how could they be sure policies were correct?
- 3 CHANGE MANAGEMENT**
What if policies had to change? Who owned updating the scripts and testing them for already deployed workloads?
- 4 MONITORING**
If malware entered the environment or accidental changes were made by an administrator, how could they detect immediately?
- 5 ENFORCEMENT**
If policies became non compliant or malware entered a workload how could they repair immediately and limit the risk?

AFTER CLOUDVISORY

As a result, this Service Provider went to the market in search of a security partner. Their analysis turned up Cloudvisory. Deployed in relatively short order, the Cloudvisory platform proved its worth by:



OPERATIONAL COSTS

Reducing operational costs around Dev/Sec/Ops



RISK

Reducing risk through stronger, auditable controls



OPERATIONAL SPEED

Improving operational speed by reducing change management time and effort around security

How was this achieved? Cloudvisory began by discovering and visually mapping all existing AWS infrastructure objects, security policies and related data flows. This gave the teams immediate insight they did not previously have into misconfigured workloads. Through Cloudvisory's orchestration plane, CSP organized all policy settings via its point and click interface. CSP then automated the provisioning of policy controls across the various Virtual Private Clouds (VPCs) greatly reducing Dev/Ops overhead. AWS Security Groups were now quickly and accurately provisioned across hundreds of virtual instances.

With CSP's continuous monitoring and enforcement, visualization, and alerts allowed both management and Dev/Sec/Ops to identify any immediate risks and CSP was able, on more than one occasion, to immediately repair misconfigured settings that could have led to downed applications or data loss.

Now, as the company continues to expand, security policies are automatically provisioned consistently and correctly. As large scale policy changes need to happen, they are completed with point and click ease (no heavy scripting or coding required) and pushed to the appropriate workloads. Then, these policies are instantly monitored and enforced. Policy changes are thus handled with relative ease and at lower cost. Security is now automated and under control so expansion can continue at light speed!

Reach out today for a demo and a test drive of Cloudvisory's Cloud Security Platform

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