SparkPost Streamlines AWS Security and Compliance with Fugue

SparkPost is the leading email delivery and analytics provider that sends more than 5 trillion messages annually, representing more than 37% of the world's business email. SparkPost provides customers with actionable, real-time data to drive engagement and ROI.

SparkPost has architected its platform to run on AWS and maintains a sizable and dynamic public cloud footprint. The SparkPost security team needed a means to detect security and compliance risks on an ongoing basis, and to streamline audit processes for their AWS resources.

Challenges

- Assess SparkPost's tens of thousands of AWS resources on an ongoing basis for security and compliance risks

- Streamline data gathering and analysis for CIS AWS Benchmark audits

- Secure cloud environments without significant human intervention and manual processes

Fugue Solution

- Perform continuous compliance with Fugue's ability to scan large AWS environments against CIS AWS Benchmark, NIST 800-53, GDPR, and other compliance standards

- Protect critical resources by notifying users of any configuration changes to a previously designated "baseline" environment

- Demonstrate proof of compliance with dashboards and reporting to streamline audit processes

SPARKPOST

KEY STATS

PROBLEM:

- How to detect security and compliance risks on an ongoing basis and streamline audit processes for AWS resources

OUTCOMES:

- Continuous compliance against CIS AWS Benchmark, NIST 800-53, and other compliance standards

- Notify users of any configuration changes and demonstrate proof of compliance with dashboards

Fugue

Business Outcomes

Given the scale and complexity of their AWS configurations, SparkPost needed a means to comprehensively identify compliance risks and secure their public cloud footprint. With Fugue, SparkPost was able to continuously scan and assess their cloud infrastructure against Fugue's pre-built policy rules, and their security engineers were notified of changes and configuration drift for protected "baseline" environments.

Streamlined Compliance Process

SparkPost has applications and workloads in AWS that need to comply with CIS AWS Benchmark and other security best practices. With Fugue, SparkPost was able to generate compliance reports highlighting compliant and non-compliant cloud resources mapped to specific compliance controls and standards. Fugue also provided SparkPost's security team with point-in-time snapshots of their cloud infrastructure resources.

With Fugue's solution, SparkPost was able to measure their ROI with the following results:

- **Mean time to remediation (MTTR)**: Fugue detects any configuration changes to resources defined in a "baseline" and alerts SparkPost's security team **within an hour.** This enables the team to respond quickly to potential misconfigurations and threats.

- **Initial time to value:** SparkPost was able to see compliance scan results within 30 minutes of adding an AWS account to Fugue's platform, demonstrating where specific cloud resources were compliant - or not - with the CIS AWS Benchmark.

- **Time saved on audit reporting:** Prior to adopting Fugue, the SparkPost security team needed **2-3 weeks** to complete audit reports on their AWS environments. Engineers needed to work via the AWS console and manually enter information into spreadsheets. With Fugue, reporting on CIS AWS Benchmark compliance takes **minutes** to complete with out-of-the-box dashboards.

About Fugue

Fugue ensures that cloud infrastructure stays in continuous compliance with enterprise security policies. It identifies security risks and policy violations and uses self-healing infrastructure to prevent them from reoccurring. Fugue eliminates data breaches caused by infrastructure misconfigurations and leverages powerful visualization and reporting tools to easily demonstrate compliance.

The company has eight patents granted and 16 pending. Privately held and headquartered in Maryland, Fugue's investors include New Enterprise Associates, Future Fund, Maryland Venture Fund, and Core Capital Partners. Gartner named Fugue a Cool Vendor in Cloud Computing 2017.