MOXFIVE

Data Mining:
Protected Health Information (PHI)

Case Background

Our client, a large medical group with over 100 offices, experienced a ransomware incident. As is not uncommon with incidents of this nature, it was determined that protected health information (PHI) was exfiltrated from the environment. As a result, our client needed to determine what information was at risk in order to inform patients in accordance with federal, state and local data breach laws.

Business Challenge

The client had 7 days to meet the regulatory reporting deadline. During the initial review, the team identified over 1,000 systems containing a total of 15 TB of data that required analysis. A manual review of this data would have taken approximately 6 months.

Unique Approach

We quickly built a plan to assess over 24 million files and determine if they contained PHI. The agentless approach allowed us to start processing the data within 24 hours. Using both out-of-the-box and custom rulesets, combined with proprietary machine learning techniques, we were able to complete the project in approximately 16% of the time that a manual review would have taken.

Conclusion

Leveraging this approach, our client was able to get results more quickly while also reducing overall cost of services. As a result, a findings report was prepared with enough time for the client to digest, then deliver against the regulators notification deadline and avoid fines.

RESULTS

Reduced overall timeline from 6 months to 1 month

Deployed and mining data within 24 hours

Processed 15 TB in one week

Reduced costs by 50% versus manual process

Increased confidence in results

Certified report that is easily digestible

OTHER USE CASES

- Intellectual Property
- Mergers & Acquisitions
- Complex Legal Matters

MOXFIVE is a cybersecurity company helping organizations respond to incidents and minimize the risk of future attacks. Over the last decade, our team of experts has helped thousands of businesses respond to major incidents and saw firsthand that there needed to be a better way for organizations to get the technical expertise they need when they need it most. Through a combination of our technical experts and proprietary platform, we bring order to chaos and deliver a tailored incident response approach and resilience-minded path forward for clients of all sizes, faster and more efficiently. .

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