RETAILER UNIFIES COMPROMISE INTELLIGENCE ACROSS ALL ASSETS

Retailer generates more than 33 billion USD in revenue, has 40,000 employees, and sells a wide range of products, including food, clothing, electronics, and more. With more than 2,600 locations and online stores, it is an enticing mark for cybercriminals.

LUMU

SUMMARY

This leading retail institution is able to protect its assets and most importantly the personal information of millions of customers. By incorporating Lumu into its security strategy they are able to gain real-time detection of compromises, a better understanding of its level of compromise, and full visibility across all the assets of the organization.

THE PROBLEM: GAIN COMPROMISE VISIBILITY ACROSS THOUSANDS OF LOCATIONS AND ASSETS

The retail industry is one of the largest and most competitive in the world. The entire retail industry sells 24 trillion dollars of goods and expects to reach 30 trillion dollars in 2023. Large brick-and-mortar enterprises have been recurrently victimized by cybercrime and they remain an important target for every cybercriminal looking for a big payday. The retailer is laser-focused on preventing and containing compromises, in this evolving threat landscape. The challenges they were facing vary:

- **Lack of unified compromise visibility:** It was critical to be able to detect compromises across all 100,000 of their assets, which include user devices like PCs, smart devices, and also cameras, points of sales, and more. Many of these kinds of assets lack protection but due to their connection to the network, expose the organization to a high level of risk.

- **Serious Limitations in Penetration Testing Results:** Despite years of mandated and voluntary penetration tests and vulnerability assessments, the exposure of most assets remained unknown.

- **Close monitoring of regulated IT Environments:** Within their complex, spread-out network, they are obligated to pay special attention to critical assets that contain their customers' financial information.

- **Containment of Lateral Movement:** Each asset's vulnerability did not just represent a risk of individual compromise but was a potential gateway for threat actors to move laterally across their entire network.

THE SOLUTION: IMPLEMENT CONTINUOUS COMPROMISE ASSESSMENT

After a very quick deployment (a few minutes) Lumu was able to measure compromise across thousands of assets without installing any agent on end-user devices. The retailer launched a free proof of concept trial with a subset of their assets to test the solution and detected more than 100 compromises in one month.

With this proof and seeing how easy it was to implement, they decided to extend to other locations to start monitoring compromise across all devices in one single place.

> "**Lumu** is like a magnifying glass that helps my complex, distributed enterprise to immediately identify compromises. Without knowing it, Lumu is not only making the action of identifying compromises better, but we are also getting significantly more value out of the rest of our security technology stack."

HOW LUMU HELPED

Full compromise visibility: Without the need to install agents on each asset, the solution was quickly deployed. The business saw immediate value in the solution as it was able to obtain visibility across all information assets in its entire environment— including legacy and smart devices, as well as BYOD.

Significantly evolved testing practices: Solved gaps in vulnerability and penetration testing by delivering conclusive results that provided a benchmark for making continuous improvements.

Customizable segmentation: Lumu's labeling capability allowed them to segment the reporting on their infrastructure in a way that made sense for their organization. Consequently, they are able to pay special attention to critical environments such as PCI DSS.

Enabled a timely & precise response to compromises: Lumu's Compromise Context offered unbiased information on compromises that allows them to respond quickly and precisely, minimizing the risk of lateral movement.

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