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Large Medical Group Enables Healthcare Compliance with Illumio

Illumio Adaptive Security Platform® (ASP) prevents unauthorized access to personal health information (PHI) and ensures even third-party hosted data is policy compliant.

SUMMARY

Industry: Healthcare

Environment: Multiple regional data centers with healthcare information for 400,000 patients and 400 physicians

Challenge: Prevent lateral movement through internal controls without succumbing to information overload from multiple security tools

Solution: Illumio's real-time application dependency map to baseline controls, confirm policy, and lock down and enforce only authorized access

Benefits: Preventing unauthorized network movement with low administrative burden through Illumio's plug-and-play solution with superior ease of use for policy administration

Customer Overview & Challenge

When the initial scope of its network segmentation project became unmanageable in time, expense, and ongoing maintenance, the IT team for one of the country's largest medical groups was forced to focus on its core objectives: segmenting applications and segmenting people from servers and environments.

"There are a whole gambit of tools to help mitigate issues on the perimeter. When you tie those with policies, you could probably prevent 95 percent of attacks. But it's that 5 percent that you don't know about where somebody comes in and sits in your network for a long time learning your environment. If we do have an employee or someone who wants to be malicious, we need to be able to limit their access from day one. A desktop shouldn't be able to ping a server. They don't even need to know it exists."

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Illumio Solution

The customer chose Illumio ASP for an initiative to exercise internal controls to prevent lateral movement – specifically, to identify PHI for 400,000 patients in its environment, control what can and can't be transmitted, and get alerts and automated lockdowns on actions that are outside of normal behavior. A gradual transition to the cloud was another driver: potential compliance penalties mean that no provider can entrust third parties to secure their data.

In the words of their IT Director: "Illumio ASP looks at your network and your infrastructure as an application and then baselines who really needs to see or access the backend layer of that infrastructure – and how and by what means. Then it basically takes a picture of that and you can confirm who needs to see it. It takes the visual footprint away from everyone and every device that doesn't need to see it, and allows us to easily lock down communications at the server layer and even the process layer. If anything tries to go outside of what is the approved realm, then it will alert you and you can go investigate."

Customer Benefits

Ensuring robust protection for a large body of healthcare records already means balancing information overload from multiple security solutions with the need to receive actionable insights. The primary driver for choosing Illumio was ease of use.

"We didn't want a solution that was going to be overly taxing on our admins. We needed something that is plug-and-play out of the box – that we could get going quickly and not have to worry about too many hassles keeping it running in the field. Illumio ASP is superiorly designed to do a specific task. It doesn't have all the overhead, management, and additional training needs that come with larger vendors."

About Illumio

Illumio, the leader in micro-segmentation, prevents the spread of breaches inside data center and cloud environments. Enterprises such as Morgan Stanley, BNP Paribas, Salesforce, and Oracle NetSuite use Illumio to reduce cyber risk and achieve regulatory compliance. The Illumio Adaptive Security Platform uniquely protects critical information with real-time application dependency and vulnerability mapping coupled with micro-segmentation that works across any data center, public cloud, or hybrid cloud deployment on bare-metal, virtual machines, and containers. For more information about Illumio, visit www.illumio.com/what-we-do or follow @Illumio.

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