Guardicore

Guardicore Helps Genome.One Protect Critical IP and Customer Data in Hybrid Cloud

THE CLIENT

Genome.One, a wholly owned subsidiary of Australia's leading medical research institute, Garvan Institute of Medical Research, is a pioneering health information company providing genetic answers to life's biggest health questions through clinicallyaccredited genomic analysis. It's on a mission to enhance the lives of patients, families and communities across the world by enabling the future of precision healthcare.

THE CHALLENGE

Companies in Australia and worldwide are facing a rapidly changing IT environment, an increasing attack surface and an escalated risk profile, met by a resource-constrained security teams suffering from alert fatigue and from the need to manage an ever-growing number of environment-specific solutions.

As a highly advanced IT organization, Genome.One's software and DevOps team is using an on-prem data center, AWS EC2s and Google's Containerized Application management based on Kubernetes to develop and rapidly deploy innovative and advanced DNA mapping solutions, which are also licensed to third parties. The public cloud model enables rapid scale-out, simplifies the integration and enablement of third parties, and enables Genome.One to focus on its core tasks.

Security is of high importance to Genome.One, as it protects both its own innovative IP, as well as its customers' personal information. As a user of today's cutting-edge IT environment, Genome.One has seen what many in the IT market acknowledge-that today's innovative IT environments have generally outpaced security solutions.

In order to protect its data center and cloud assets, Genome.One wanted to manage and enforce tight micro-segmentation policies around all servers, and reliably detect a breach and respond to it in real time, without burdening its security team with false-positive alerts. The solution had to be cloud-borne, yet support on-prem deployment as well, to avoid the burden of managing multiple point solutions.

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- Liviu Constantinescu
  Principal Software Engineer and
  DevOps Team Leader, Genome.One

THE SOLUTION

Genome.One found all that and more in Guardicore.

Genome.One acknowledged that the foundation for any security model they wish to implement is visibility into their enterprise activity. By deploying Guardicore Centra agents across the various computing platforms supporting the research team a single and complete network and workload map was created. For the first time the DevOps team were able to identify in clear accuracy how their applications and data assets are being consumed and utilized. Integrating into their DevOps orchestration using Centra's API Genome.One achieved a consistent way to monitor and secure all their dynamic workloads.

Genome.One was also able to benefit from Guardicore's advanced breach detection and analysis, protecting highly sensitive research information.

"By selecting Guardicore, we were able to bridge critical security gaps of micro-segmentation and application-level visibility, as well as breach detection and response, covering both AWS and on-prem servers, while keeping our security team from being flooded with management of multiple point solutions, each requiring high touch of dedicated security personnel," said Liviu Constantinescu, Genome.One's Principal Software Engineer and DevOps Team Leader.

About GuardiCore

GuardiCore is an innovator in data center and cloud security focused on delivering more accurate and effective ways to stop advanced threats through real-time breach detection and response. Developed by the top cyber security experts in their field, the GuardiCore Centra Security Platform is changing the way organizations fight cyber attacks.

More information is available at **www.guardicore.com**

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