Bitdefender®

CASE STUDY

Genetic Testing Startup Nalagenetics Secures Its Data With GravityZone CSPM+

NalaGenetics

Nalagenetics is a Singapore-based genetic testing company built with the goal to create cost-effective genetic tests tailored to Asian populations since existing tests are not only expensive, but also based on Caucasian populations. The startup has made many medically impactful discoveries through its research to date, some of which has helped doctors make better decisions in treating first leprosy patients, then now patients taking chronic medications including cardiovascular, psychiatry, and breast cancer adjuvant therapy.
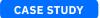
Industry

Biotechnology (or Healthcare/Healthtech)

Headquarters
Singapore

Bitdefender Footprint
GravityZone CSPM+

IT Environment
AWS

SCALING SECURITY WITH CLOUD TRANSFORMATION

Being a cloud-native company that depends on the Amazon Web Services (AWS) cloud for all its core operations from biometrics innovation and app development to IT infrastructure maintenance, Nalagenetics recognizes how important it is to keep its data and IT assets away from threat actors who may potentially misuse this sensitive research.

Nalagenetics Engineering Team Lead Sashiraj Chandrasekaran is the person overseeing IT, infrastructure, and security. Much of the management of security controls in the cloud was manual in the past. "We had to commit to memory all the actionable security fixes for vulnerabilities. This was manageable while the team was less than 5 people, but it has since grown a lot." Said Sashiraj on how his team used to do manual checks andremediations on resources including EC2 instances and EBS volumes.

With more than 10 cloud users now belonging just to the Engineering team, Sashiraj found himself exploring cloud monitoring tools such as AWS Security Hub. This is when he chanced upon the Bitdefender GravityZone platform and it's Cloud Security Posture Management (CSPM+) capabilities.

"Right from the start, Bitdefender GravityZone CSPM+ helped bridge the gap in terms of cloud infrastructure and security expertise. Regular vulnerability scans are now able to be done at the click of a button, easily saving us painful hours a day from manual checks." Sashiraj said. "Now that all of us are working remotely and the Nalagenetics team is constantly growing, the importance of having a central monitoring tool that provides us complete cloud visibility and control is undeniable."

FEWER ALERTS, WIDER SECURITY COVERAGE

Nalagenetics can now confidently protect the confidential patient data it holds and its machine learning pipelines. No longer needing to enforce stringent policies on users from different departments that have access to the cloud, the Engineering team simply rely on Bitdefender GravityZone CSPM+'s continuous monitoring and automated security prioritization to be alerted if anything is amiss, such as an encrypted EC2 instance, for example.

My security alerts have reduced by 30% in just a few months of using Bitdefender GravityZone CSPM+. This is an extremely powerful one-click tool that allows me to quantify how my organization's security posture is improving. The best part is that any user will be able to make full use of the platform, meaning you can start comprehensive cloud protection in minutes.

SASHIRAJ CHANDRASEKARAN, NALAGENETICS ENGINEERING TEAM LEAD