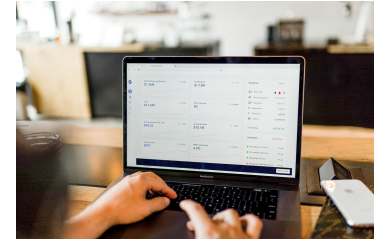


CASE STUDY

Novus Partners Fuels Business Growth

AWS Migration and Application Modernization



The Customer

Novus Partners' suite of solutions provide data, analysis, and tools to alternative investors for conducting fundamental research. The company was founded in 2007 by a group of investors, data scientists and engineers to build a foundation that the world's top investors use to identify prospects and profitable returns for their portfolio.

The Challenge

Novus Partners' recognized that their antiquated on-premises hosting environment was becoming too costly and inefficient to support its business operations and keep pace with the agility needed from the Product Development teams.

Facing a costly renewal cycle for software licenses, datacenter contracts, and hardware warranties, Novus capitalized on the opportunity to create a business case to justify not only the cost benefit but also the technical value of a move to AWS.

Our Solution

To minimize business disruption, the migration had to take place in 3 months. The roadmap followed AWS best practice recommendations and proprietary Caylent templates for building a secure, high-performing, resilient, and efficient landing zone and hosting environment.

Caylent outlined a multi-environment, multi-account strategy tailored to Novus' specific needs that would not take unnecessary risks with the company's production workloads. This new model allowed for user privilege separation at a granular account level to protect high-visibility workloads from errors and external threats while empowering Novus' staff to do more creative work with fewer blockers. The approach also increased full visibility across the operational infrastructure for better debugging and integration testing purposes in AWS.

Once the critical phases of the migration were completed and BAU operations resumed, Caylent worked with Novus Partners' to identify opportunities to introduce cloud native tools and services, this involved some applications being re-architected using containers; environments being templated and built using Infrastructure-as-Code; cloud cost optimization opportunities such as Spot being leveraged; and standardizing DevOps principles within the teams.

Results and Benefits

In addition to satisfied customers, a fulfilled development team and record business growth, the new infrastructure brought substantial cost savings, demand scalability, faster time to market and an improved security framework.

The Cloud Native environment enabled Novus Partners to reorient their Development team from time spent on Operations to building and adding features to their product suite. Customer NPS increased and site reliability increased by 22 bps. With an enhanced governance posture, Novus can now achieve SOC2 compliance. Monthly hosting costs were reduced by 56% and daily operational costs decreased by 54%.

About Caylent

Caylent is a cloud native services company that helps organizations bring the best out of their people and technology using AWS.

Caylent's core practice areas include Cloud Migration & Modernization, Cloud Security, Cloud Native Application Development and Cloud Managed Services. We deliver through an agile, iterative approach which can be administered through a scoped project or as an elastic capacity subscription model based upon the best fit for your needs.

Key AWS Services

- EC2
- EKS
- RDS
- Organizations
- Cloudwatch

“Caylent has been an outstanding partner in leading Novus from an antiquated physical datacenter to a modern Kubernetes-based Platform running on the AWS cloud. Working together with Caylent, Novus has enjoyed a 50% reduction in total infrastructure spend – including a 54% reduction in daily operational costs – all while seeing our application uptime improve to over 99.9%.”

Noah Zucker, VP of Technology