



## CASE STUDY

# Enhancing Infinitest's Cloud Security

## Executive summary

Fulfilling stringent security demands from enterprise clients, web UI testing provider Infinitest partnered with Cloudride and Skyhawk Security to elevate their cloud infrastructure. Combining Cloudride's operational efficiency with Skyhawk's advanced security, they achieved robust breach prevention, streamlined processes, and compliance, enhancing scalability and product quality. This collaboration highlights diverse skillsets in creating holistic, secure, and agile cloud solutions.

## The challenge

- **Ensuring Comprehensive Cloud Security**  
Infinitest, serving enterprise clients with stringent security, needed a robust posture to safeguard data, maintain compliance, and prevent breaches.
- **Strengthening Software Deployment Pipeline**  
While Cloudride met infrastructure needs, Infinitest still sought secure, streamlined development, CI/CD, governance, and minimized maintenance.
- **Balancing Security, Efficiency and Agility**  
Infinitest needed a solution that addressed security concerns while maintaining operational efficiency, minimizing maintenance efforts, and adapting quickly to evolving needs.

## The AWS approach to cloud governance

Driving success and security in the cloud starts with a robust cloud governance posture. Effective cloud governance helps you run your business well and keep it safe from avoidable risks. Creating effective cloud governance is a two-step process: (1) understanding how the four pillars of cloud governance-visibility, configuration, operations, and risk-affect the security of your cloud assets, and (2) developing best practices for continuously optimizing these pillars.



## About Infinitest

Infinitest is a functional UI regression testing solution for web applications, mixing in tests autonomously created and based on real users actions. The Infinitest platform generates and executes end-to-end test playbooks, which include tests based on your internal custom journeys and on machine learning algorithms. The platform then analyses the outputs of these executed tests to recreate you customer's actual product usage.

### Tzahi Sofer CEO, Infinitest

*From the beginning everything went well, the first conversations gave me a lot of confidence that this is the solution that I needed. It provided the scalable infrastructure we needed along with comprehensive security and compliance. We have partnered with Cloudride for the past two years and the services and support are second to none.*

## Danny Lev-Ran

### CEO, Cloudride

*Skyhawk Security has rapidly added significant value to our cloud security initiatives, providing unparalleled observability and delivering cloud breach prevention. Its integration and onboarding processes were impressively swift, providing us with extensive visibility, real-time alerts, detailed security metrics, and actionable recommendations. These key capabilities aligned seamlessly with our cloud security strategy and enabled us to provide robust cloud services to our customers, like Infinitest.*



## Why Cloudride?

To conquer the dual challenge of robust security and operational agility, Infinitest made the strategic choice of partnering with Cloudride. Our team's extensive experience in infrastructure optimization and the streamlining of CI/CD processes seamlessly dovetailed with Skyhawk Security's cutting-edge capabilities in advanced threat detection and compliance assurance. This formidable partnership resulted in the creation of a customized solution that not only fortified Infinitest's security posture but also significantly reduced maintenance overhead. Furthermore, it elevated the quality of their products, positioning them to serve enterprise clients on AWS with the utmost confidence.

## The solution

Infinitest sought to refine and fortify their software development and deployment workflows by leveraging the expertise and tools provided by Cloudride and Skyhawk Security. To address Infinitest's challenges, Cloudride introduced enhancements to the software development and deployment processes, including robust governance measures, providing a secure and compliant infrastructure that streamlined operations and reduced the burden of maintenance. The use of advanced cloud technologies ensured scalable solutions that could adapt to the company's evolving needs, emphasizing agility and operational efficiency. Simultaneously, Skyhawk Security focused on identifying potential security incidents in run-time and preventing them from becoming a breach. The Skyhawk Synthesis Security Platform has machine learning models, tailored for Infinitest's cloud environment, ensuring that anomalies detected are actual incidents that require attention. These models deliver runtime observability and ensure the team does not waste their time pursuing one-off behaviors. Skyhawk Security includes support for several compliance standards, such as GDPR and PCI. The management of permissions supports a least privileged approach, which is crucial for ensuring the employees have the right level of access to do their work, but nothing extra which could compromise Infinitest's valuable assets. Combining Cloudride's efficiency-driven solutions together with Skyhawk's comprehensive security platform, resulted in a robust security strategy, aiming to elevate Infinitest's operational capabilities as well as product quality, while preventing cloud breaches.



## Results

The collaboration between Cloudride and Skyhawk Security yielded remarkable outcomes for Infinitest. Infinitest successfully fortified its software development and deployment workflows, enhancing operational efficiency while adhering to stringent security and compliance standards. Notably, the introduction of advanced cloud technologies ensured scalability, agility, and a significant reduction in maintenance efforts. Skyhawk Security's rapid response and machine learning models led to unparalleled observability, real-time alerts, and robust cloud breach prevention. As a result, Infinitest achieved a well-rounded security strategy that elevated operational capabilities, improved product quality, and prevented cloud breaches, all while maintaining a user-friendly and agile environment. This partnership showcased the significance of combining diverse skill sets to create a comprehensive and effective solution.

## Benefits

Infinitest's partnership with Cloudride and Skyhawk Security reaped numerous benefits. By optimizing their software development and deployment processes, Infinitest achieved a heightened level of operational efficiency, minimizing the need for extensive maintenance. The introduction of robust cloud security measures, including governance and compliance support, provided unparalleled protection for sensitive data, enhancing trust with enterprise clients. Advanced cloud technologies ensured scalability and adaptability, aligning with the evolving needs of Infinitest. Skyhawk Security's rapid incident identification and prevention capabilities led to a significant reduction in security risks, contributing to a safer cloud environment. This collaborative effort ultimately translated into increased customer confidence, improved product quality, and a fortified position in the market for Infinitest.

### Chen Burshan

#### CEO, Skyhawk Security

*In this partnership, Cloudride's efficiency and Skyhawk's security skills combined perfectly to create a solution that's robust, secure, agile, and user-friendly. It's a well-rounded approach, covering both technical and security aspects, tailored precisely to meet Infinitest's needs. Our success together shows the power of diverse skills in making a great solution.*





## Next steps

The collaboration between Cloudride, Skyhawk Security, and Infinitest has set the stage for ongoing optimization, monitoring, and proactive measures to ensure Infinitest's cloud environment remains resilient and compliant. Future steps include continuous fine-tuning of security protocols, staying abreast of evolving compliance standards, and leveraging advanced technologies to drive even greater efficiency. Infinitest, Cloudride, and Skyhawk remain committed to their shared vision of a secure, efficient, and adaptable cloud ecosystem, poised to meet the ever-evolving demands of enterprise clients on AWS.

## Benefits

### ➤ **Enhanced Security and Compliance**

Infinitest now benefits from enhanced, fortified cloud security, ensuring GDPR, PCI, SOC2, and strict industry compliance, effectively preventing any potential security breaches.

### ➤ **Streamlined Operations**

The partnership between Cloudride and Skyhawk strengthens Infinitest's governance while streamlining processes, reducing maintenance, and optimizing efficiency for innovation and growth.

### ➤ **Agility and Scalability**

Cloudride and Skyhawk provide Infinitest with an agile, scalable cloud environment, allowing quick adaptation to changing market demands for improved operational capabilities and product quality.

## About Cloudride

Cloudride, an AWS Advanced Tier Services Partner, possesses expertise in cloud migration, AWS Lambda, EC2 for Windows Server, and Education Services Competency. Specializing in security and cost efficiency best practices, they provide services like architecture design, migration support, cost optimization, they are trusted for smooth transitions to AWS, ensuring security and agility.



- Public Sector
- Solution Provider
- AWS Lambda Delivery

- Education Services Competency
- Amazon EC2 for Windows Server Delivery