



Liveplex's Partnership with Eclipses Raises Bar on Banking Security Standards

Executive Summary

Liveplex partners with a group of large global commercial and investment banks to transform the digital banking experience. By combining innovative technology with enterprise-grade security, Eclipses safeguards financial institutions' customer assets, freeing banks to concentrate resources on increasing market share, client engagement and satisfaction. As banking continues its shift from in-branch to cloud environments, Liveplex leveraged Eclipses' patented encryption on Amazon Web Services (AWS) to ensure comprehensive data security for its affiliated banks at scale.

With Eclipses, Liveplex successfully transitioned its security posture from reactive to proactive, redirecting emergency budgets to innovation and accelerating new app deployments. By ensuring continuous data protection at runtime, Liveplex now provides banking customers with unparalleled security and confidence and has set a new benchmark for secure digital banking.

Rising Financial Complexities

As cyber threats escalate, financial institutions face a critical challenge: protecting customer PII and banking data on cloud infrastructure and remaining compliant with General Data Protection Regulation (GDPR). The AWS joint responsibility model states that while AWS secures the cloud environment, Liveplex and other customers are responsible for protecting the data layer.

Due to the nature of Liveplex partnerships with Large Global Banks, the rising sensitive data it needed to protect included both client and employee credentials, as well as Personal Identifiable Information (PII)

Liveplex knew that traditional security measures stop at the infrastructure layer—leaving a crucial gap in protecting its biggest asset; Its data.

“If the joint responsibility model ends at the data, we considered what measures we could take to ensure protection of the data itself, both in transit and at rest? The answer? Eclipses.

– Meera Kaul, Chief Virtual Officer

Eclipses allows organizations to improve compliance, security posture, and data security by utilizing a sole product, with no external or third-party dependencies in compliance with SOC, PCI, HIPAA, PID, PHI, GDPR etc. Setting a new standard for reduced risk and secure data.

Secure Exchange

Consider a traditional currency exchange: A customer visits a trusted location to convert US dollars to Euros. The security lies in conducting transactions only through authorized exchanges—not random locations or individuals.

Now imagine owning both exchanges. Instead of carrying actual currency between exchanges, you convert the money into a meaningless token for transport, ensuring it is impossible for thieves to steal anything of value.

www.eclipses.com

Challenges

- Rising compliance and operational complexities as banking shifts from in-branch to digital
- Growing volume of cloud-based assets requiring world-class security
- Maintenance of high security standards without compromising user experience

Solutions

- Application-level encryption decoupling application data from network security at run-time
- Balanced robust security with frictionless customer experience
- Increased Security and Cost-Optimization with Eclipses and AWS Native

Results

- Scaled digital operations with integrated security measures
- Increased market share to populations lacking in-branch access
- Reallocated 11% of 23% security budget to client-requested features
- Increased customer engagement rates and satisfaction

About the Customer

Liveplex is a financial technology platform designed to modernize and enhance banking services, making them more efficient and user-friendly for customers around the globe.

Similarly, Eclipses transforms sensitive data into encrypted tokens that are worthless to any attacker who intercepts them, without reliance on any 3rd party or even Eclipses. This is precisely how Eclipses protects digital banking data.

Uniquely encrypting all application data-in-transit as it flows between endpoints. Allowing organizations to directly protect PII and other confidential data. As it moves anywhere in the cloud. Requiring just a few clicks and no change to the user experience.

Liveplex runs on Amazon Elastic Kubernetes Service (EKS) and Eclipses is a containerized service that sits as a proxy outside the application endpoint and server side. It only communicates with its own Micro Token Exchange (MTE) Technology immediately mitigating common attack vulnerabilities such as Man-in-the-middle, packet inspection, relay-and-delay injection, and credential harvesting.

Where traditional SSL/TLS still exposes plain text between server and IOS and back again, Eclipses encryption is single-one-time-use and quantum resistant meaning that even if a badactor were inside the network they would be unable to detect any pattern or redundancy making it impossible to decode the data even with quantum computing.

Expansion Planning

For bank CXOs managing digital transformation, the security challenge is clear: protect sensitive financial and PII data while rapidly expanding digital services. Liveplex addresses this through Eclipses' security architecture, demonstrating measurable protection improvements over traditional TLS/SSL implementations by also securing APIs endpoint to endpoint.

This enhanced security layer has enabled Liveplex to:

- Deploy new Digital Lounge functionality for five unique Banks
- Enable a customized, interactive, experience per user preference
- Secure high-volume transaction environments
- Auto-scale security on AWS as digital operations grow
- Reduce security overhead for faster feature deployment

By providing both scalable security and seamless service delivery, CXOs can confidently expand digital offerings while ensuring compliance and protection.

AWS Deployment

Liveplex servers run on Amazon Elastic Kubernetes Service (EKS) and leverage other AWS Native security services including CloudWatch for real-time monitoring and Secrets Manager for securely handling credentials and access keys.

Eclipses runs as a containerized service within a customer's VPC leveraging Amazon Elastic Load Balancer to auto scale deployment based on traffic volume and fluctuation.

About the Partner

Eclipses, is an APN-differentiated software partner and AWS Container and Security Competency partner. Revolutionizing data security in transit and at the edge. Its containerized security and non-patterned encryption ensure intercepted data remains useless to attackers. Securing tokens, credentials, and sensitive data.

Where traditional protocols are imperfect (leaving data exposed in plaintext during runtime) Eclipses encrypts at the application layer (Layer 7), using unique, one-time-use cryptographic values. Seamlessly integrating with AWS infrastructure and native services and delivering end-to-end protection without disrupting workflows or user experiences.

Following quantum-resistant Crystals-Kyber algorithm encryption. Eclipses is FIPS 140-3 validated. Futureproofing enterprise-grade security for application data, APIs, access management, and cloud migration to AWS.

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