CASE STUDY

Secure Open Banking Across the Payment Chain with Treezor and Gemalto

Fintech innovator Treezor partners with Gemalto to provide secure banking-as-a-service

Driving the charge for secure open banking, Treezor is one of France’s pioneering Banking-as-a-Service platforms. Treezor is working with Gemalto, leveraging its SafeNet Data Protection On Demand (DPoD) cloud based HSM, key management and encryption solution to provide services (via APIs) across the entire payment chain to many innovative financial-sector companies.

The Organization

Founded in 2015, Treezor provides real-time core-banking system, payment, KYC and personalised card program. Treezor has developed an innovative payment platform in collaboration with its clients (retailers, neo-banks, client to client and crowdfunding platforms) via APIs. Treezor is an electronic money issuer with payment services accredited by the French regulator (ACPR), a principal member of the Mastercard network and part of the SEPA network, and other vendors such as Apple Pay. The company offers services to 30 licensed and unlicensed Fintechs. Over the past two years, Treezor grew to manage up to €3 billion in transaction flow annually and issued 300,000 payment cards.

Benefits:

There are many benefits to deploying and managing encryption, managing keys and hosting HSMs – on-demand and from the cloud, including:

- HSM as a managed service - redundancy, high availability and back up services included as a standard part of the 99.95% SLA
- Easy to deploy
- Zero upfront investment, low TCO and flexible usage-based pricing
- Proven, and tested SafeNet HSM brand quality
- Separation of duties
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**SafeNet Data Protection On Demand** is a cloud-based platform that provides a wide range of on-demand HSM, encryption and key management services through a simple online marketplace. Other HSM On Demand services include:

- **HSM On Demand for Private Key Protection** – Secure private keys belonging to Certificate Authorities responsible for establishing PKI trust hierarchy.
- **HSM On Demand for Digital Signing** – Digitally sign software and firmware packages or electronic documents in order to ensure the integrity of the sender.
- **HSM On Demand for Oracle TDE** – Ensure that Oracle TDE data encryption keys are encrypted with a master key that resides within the HSM On Demand service for optimal performance and scalability.

As their business grows, they are looking to add digital signing and other services. With DPoD’s scalability, together with the built-in separation of duties, they can offer each customer their own dedicated HSM services, secure in the knowledge that their data is segregated and protected.

The simple, ease of deployment and use that SafeNet Data Protection On Demand provides aligns perfectly with Treezor’s vision to provide services simply, securely and cost-effectively across the entire payment chain, from traditional banks to the most innovative fintech companies.

Eric Lassus, General Director, Treezor

About Gemalto’s SafeNet Identity and Data Protection Solutions

Gemalto’s portfolio of Identity and Data Protection solutions offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions—from the edge to the core. Gemalto’s SafeNet Identity and Data Protection solutions enable enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters.

Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation to protect customer trust in an increasingly digital world.

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