interxion™

SECURING DATABASES VERIFIED BY BLOCKCHAIN

HELIX ORANGE

CHALLENGE:

- To build a trusted ICO platform and secure the database

SOLUTION:

- Key Management as a Service offered by Interxion Key Guardian, to deliver the highest level of security possible while also keeping keys close to where data is stored for best performance.

- Help managing the HSM service, with the entire design and onboarding taken care of

HELIX Orange is in the process of creating a platform that combines several elements, centring around a Know Your Customer (KYC) and Anti Money Laundering (AML) capability for authentication and identity onboarding processes used in spaces such as banking, healthcare and finance. The company plans to do this with HelixID, which end users will be able to use as a one-stop verification system to help speed up authentication processes.

The first stage of HELIX Orange's strategy is to create a trusted ICO platform with two key components. The first is authentication for investors, to help reduce fraud and prevent those who are trying to syphon funds gained illegally into investment. The second is an ICO marketplace designed to help confirm the trust level of projects, provide proof of legal entities, and reduce the risk of vapourware.

HELIX Orange uses blockchain to save and secure the HelixID, so that once a user takes an action, it records steps taken or individual information once and forever - meaning it can't be removed or erased. This is a core component of the HelixID, preventing anyone from being able to fraud the system. Because of GDPR rules, the blockchain ID is required to be an anonymous ID. As no individual data will be stored on the blockchain but on a separate database, securing this database is critical for HELIX Orange.

Why security matters

HelixID is designed to drastically improve the process of authenticating individuals and proving ID. This type of personal data is highly desirable for hackers, meaning that HELIX Orange requires the highest level of security available.

Because of this, the company was one of the earliest to trial Key Guardian by Interxion. The Key Management service allows them to deliver the highest level of security for the database and gives them the peace of mind of knowing it's being handled by experts, enabling the team at Blockchain Helix to focus on building the platform.

The right solution

Key Guardian is Hardware Security Module-as-a-Service (HSMaaS). It makes protecting cryptokeys safe and secure, adhering to the highest FIPS 140.2 Level 3 compliance. By making keys available near to the infrastructure a business or its customers use, it allows teams to focus on innovation and availability of service, knowing that they are using proven and certified HSM technology operated under the strictest regime.

For Alexander Rockstroh, Operations for HELIX Orange, Key Guardian has been a key component in helping the company as it is building its platform. "We had been looking for best practice and the highest levels of security capabilities. HSM is the choice. In addition, it needed to be a dedicated environment, not a shared environment. We need to ensure business assured continuity, fail capability, monitoring capability and full end to end management with full SLA coverage on the devices. Key Guardian lifts it to the next level."

Support where it's needed

As a startup company in the fintech space, prioritising where to focus investment and resource is important as HELIX Orange grows. With a team that specialises in blockchain and in creating the underlying technology, focusing on securing the database would have impacted how the company develops and grows.

"We've found that the benefit of working with Interxion is having a partner on our side whose core business is security." says Rockstroh, "It has helped us to concentrate on our core business."

About HELIX Orange

HELIX Orange is an ICO platform for investors and the best ICO projects built on Blockchain Technology.

The platform establishes a sustainable ecosystem for international investors and global Initial Coin Offerings projects. We want to make ICOs and token sales safe, smart and efficient.

Both sides, investors and ICO projects benefit from proper KYC/AML and from sophisticated investor matchmaking processes.

The platform is targeting the massive need to fulfil the regulatory requirements for any ICO.