

Ubiqu and Thales Deliver Certified Remote Secure Storage for EUDI Wallets

Simplifying eIDAS 2.0
compliance and
sovereign security

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Key Benefits

- Fully certified and ready to deploy eIDAS High Remote Secure Element (RSE)
- Crypto-agile and future-ready with native post-quantum support
- High availability, scalability, and sovereignty at national and EU-wide levels
- Native SDKs and open-source integration for seamless wallet development
- Eliminates complexity, accelerates compliance, and reduces project risk

The Need for Secure, Compliant EUDI Wallet Infrastructure

The introduction of eIDAS 2.0 and the European Digital Identity (EUDI) wallet is transforming how governments and citizens manage digital identity. To comply with EU regulations, member states, government authorities, and Qualified Trust Service Providers (QTSPs) must deploy a certified, secure, and future-proof infrastructure that is capable of scaling both nationally and across borders.

Building an eIDAS- high compliant wallet infrastructure is a complex task that involves cryptographic key protection, certification, sovereign control, and scalability. Most market alternatives either fall short of compliance or require extensive reengineering to meet the requirements of Article 30 and WSCA/WSCD. Internal development paths often face multi-year timelines, high complexity in certification, and significant project risks.

Fully Certified, Scalable, and eIDAS-Compliant Remote Secure Storage for EUDI Wallets

The joint solution from Ubiqu and Thales provides a fully certified, production-grade RSE for EUDI wallets. The Ubiqu RSE is purpose-built for the secure storage of cryptographic key material and operates within Thales Luna HSMs, offering sovereign-grade protection and integration flexibility. Designed to comply with eIDAS High, WSCA/WSCD, and Article 30 trust lists, the solution supports virtually unlimited verifiable credentials (VCs) per wallet while ensuring high availability and sub-millisecond performance. It features native iOS and Android SDKs, along with pre-integration with open-source wallets, including the EU Reference Wallet. The solution accommodates various deployment models, ranging from

as-a-service to on-premises within the customer's jurisdiction.

Together, Ubiqu and Thales eliminate the complexity and risk of building wallet security infrastructure from scratch, accelerating time to market while delivering unmatched regulatory alignment, scalability, and cryptographic agility.

Secure Root of Trust with Thales Luna HSMs

At the core of the solution is the Thales Luna HSM, which establishes the foundation for digital trust in cryptographic systems by securing data, identities, and transactions. Through robust authentication, role separation, and a keys-in-hardware approach, the Thales Luna HSM provides the secure execution and storage environment for the RSE. Ubiqu RSE is integrated directly into the HSM, allowing all cryptographic operations to be conducted within the certified, tamper-resistant hardware boundary. This integrated solution is assessed as a unified system, providing the highest level of assurance for key protection, regulatory compliance, and auditability. Thales Luna HSMs can be deployed domestically, managed in sovereign environments, or offered as a service, granting wallet providers complete control over data residency and trust architecture.

Key Features

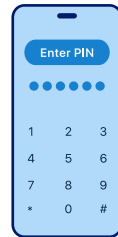
- **Secure-by-Design:** Operates within a FIPS 140-3 Level 3 validated, Common Criteria EAL4+ certified hardware, and eIDAS-compliant Thales Luna HSM
- **Post-Quantum Cryptography Ready:** Prepared for future threats
- **WSCA/WSCD Compliant:** Aligns with 2024/2981 regulatory protections
- **Sovereign Deployment:** Thales Luna HSMs can be hosted in domestic data centers
- **Unlimited VCs Per Wallet:** Allows high-scale issuance and performance
- **Native SDKs:** Available for both Android and iOS
- **Open-Source Compatibility:** Compatible with EU Reference Wallet and others

Issuers and verifiers



Message Orchestration

- Seamless High availability
- Unlimited VC's per wallet
- Unlimited wallet's per HSM



Phone

Wallet with direct connection to RSE
Lightning fast with centi-ms transactions



Scalable and performant due to multiple HSMs
High availability due to multi DC's



Ubiqu RSE integrates with Thales Luna HSMs as a backend for EUDI wallets, showcasing secure key storage, VC issuance, SDK integration, and deployment options.

In Summary

Ubiqu and Thales have partnered to deliver a fully certified, scalable, and eIDAS High compliant remote secure storage solution for EUDI wallets. By integrating Ubiqu RSE with Thales Luna HSMs, this joint solution provides sovereign-grade protection for cryptographic keys, seamless support for unlimited verifiable credentials, and native SDKs for wallet development. Designed to meet stringent EU regulatory requirements, it offers unmatched cryptographic agility, post-quantum readiness, and flexible deployment options across any environment. With open-source compatibility and high performance, it eliminates infrastructure complexity, accelerates compliance, and enables wallet providers to scale securely across national and EU borders. For wallet providers who need to move quickly and stay compliant, Thales and Ubiqu have an innovative solution.

About Thales

Thales is a global leader in cybersecurity, helping businesses, governments, and the most trusted organizations in the world protect critical applications, sensitive data, identities, and software anywhere, at scale — with the highest ROI. With more than 30,000 customers, including 58% of the Fortune Global 500, our solutions are deployed in 148 countries around the world. Through our innovative services and integrated platforms, Thales helps customers achieve better visibility of risks, defend against cyber threats, close compliance gaps, and deliver trusted digital experiences for billions of consumers every day.

About Ubiqu

Ubiqu is the leading tech provider for EUDI wallet technology. With a strong focus on regulatory compliance and future-proof security, Ubiqu develops certified Remote Secure Element (RSE) technology for European Digital Identity (EUDI) wallets and other high-assurance use cases. Its solutions are built to meet eIDAS High requirements and are trusted by national authorities, critical infrastructure providers, and international partners including the U.S. Department of Homeland Security and KPN. Ubiqu's mission is to enable secure, scalable, and sovereign digital identity solutions through certified, production-grade technology that integrates seamlessly into government and enterprise systems.

"The Ubiqu platform is the backbone of our security propositions. It helps us to create safe digital identities at scale." KPN

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