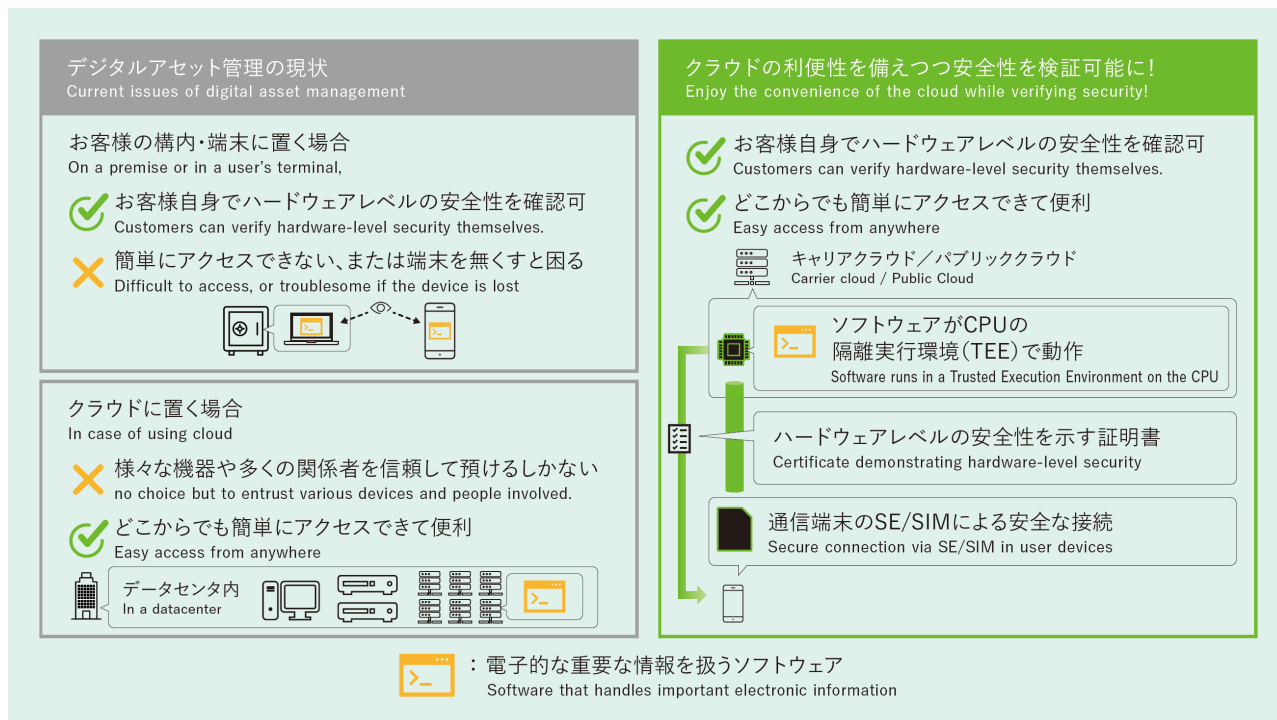


Verifiable security and mutual authentication via secure devices of a terminal and cloud A verifiably secure service execution environment

Background and Technical Challenges

As digital transformation progresses, protecting the electronic identities and assets managed by individuals has become critical. With current services on the market, users cannot verify whether security is adequately ensured.



R&D Goals and Outcomes

By making it possible to verify data protection at the hardware security level, users can benefit from the service with peace of mind without compromising convenience.

Key Technologies

01 Core Technologies

- Hierarchical integration of secure devices within the cloud enables verification of overall system security
- Secure devices on communication terminals enable safe connection to the cloud

02 Key Differentiators

- Stepwise security proofs enable users to verify the integrity of the software
- No modifications to the application are needed for safety proofs
- By developing a safety verification method, one can avoid extending connection times when using the service

Use Cases Public Services and Local Governments

R&D phase Research

Technology Schedule FY25-26

Commercialization Schedule FY27-29

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