

SafeNet HSMs and ActivIdentity 4TRESS Authentication Server

SOLUTION BRIEF

Benefits

- Comply with mandates through the implementation of strong access controls.
- Maintain customer confidence in online channels.
- Reduce fraud through strong user authentication and transaction verification.
- Improve customer experience by supporting authentication methods aligned with personal preferences.
- Reduce operational costs through consolidation onto a single centralized authentication infrastructure.

For rapid and affordable multi-channel banking, SafeNet HSMs combine the strongest cryptographic security with the highest performance, reliability, and ease of integration.

Solution Overview

Managing user identities, authentication, and authorization in an efficient, secure, and cost-effective way across multiple channels is one of the real challenges facing major retail banking organizations worldwide. ActivIdentity and SafeNet have combined their technologies to underpin the strategic and operational potential of the 4TRESS authentication server. The ActivIdentity 4TRESS Authentication Server, combined with the SafeNet ProtectServer hardware security module (HSM), results in highly secure Internet banking, that quickly delivers an online banking presence, at a reduced total cost of ownership.

Reduced TCO for Banking Security

Small and mid-sized banks, and other financial services organizations, can leverage the SafeNet - ActivIdentity solution to secure customer-facing transactions, all while realizing a faster time-to-market and meeting industry compliance mandates.

The costly alternative for banking institutions is to build their own in-house security, which may or may not withstand attacks, nor meet stringent customer and compliance requirements. This option is also costly to maintain and extend. Instead, offloading such sensitive development efforts, to a respected security company specializing in hardware-based encryption, is a much more attractive alternative.

Secure Cryptographic Processing

The solution combines ActivIdentity's industry-leading versatile authentication engine with a SafeNet hardware security module (HSM) to provide a cost-effective solution that is both highly secure and simple to deploy. HSMs are dedicated systems that physically and logically secure the cryptographic keys and cryptographic processing that are at the heart of digital signatures.

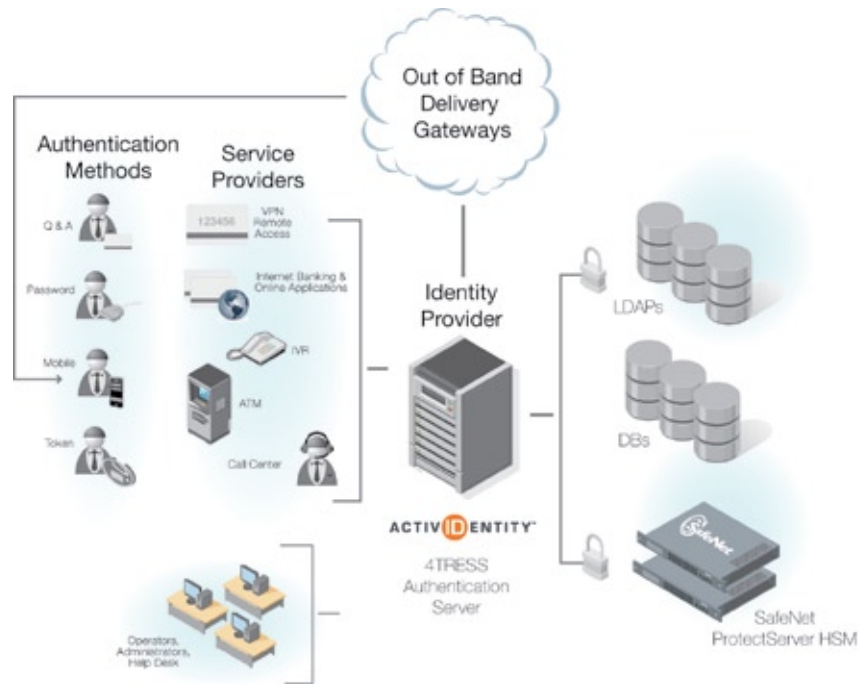
By leveraging the ActivIdentity 4TRESS Authentication Server with the SafeNet ProtectServer External HSM, organizations can abide by compliance mandates and grow customer confidence in the security of self-service channels such as Internet, mobile banking, or automated phone systems. The SafeNet ProtectServer External HSM includes a FIPS 140-2 Level 3-certified cryptographic module to perform secure cryptographic processing in a high-assurance fashion. All digital signing and verification operations are performed within the HSM to deliver the highest levels of performance, availability, and security to ensure business processes and systems are running efficiently.

About ActivIdentity 4TRESS Authentication Server

The ActivIdentity 4TRESS Authentication Server offers support for many authentication methods. It accommodates diverse user groups across a variety of service channels, making

it the preferred versatile authentication platform for customer-facing transactions of many financial institutions worldwide.

- A broad choice of strong authentication methods (e.g., OATH, EMV, PKI)
- Transaction verification to address malware threats, such as Man in the Browser
- Support for hardware tokens, software tokens, smart cards, SMS, and e-mail
- Strong password policies and backup authentication methods such security questions
- Centralized, tamper-evident audit logs for tracking transactions across channels
- A highly scalable deployment architecture supporting multiple application servers and platforms
- Centralized authorization services



World-Class Support & Documentation

Cryptographic security is complex and implementation can be a challenge. Only SafeNet offers the combination of ease of integration, excellent documentation, and worldwide customer support to make integration of the cryptographic system quick, painless, and successful.

About SafeNet

Founded in 1983, SafeNet is a global leader in information security. SafeNet protects its customers' most valuable assets, including identities, transactions, communications, data, and software licensing, throughout the data lifecycle. More than 25,000 customers across both commercial enterprises and government agencies, and in over 100 countries, trust their information security needs to SafeNet.

About ActivIdentity

ActivIdentity™ Corporation (NASDAQ: ACTI) is a global leader in strong authentication and credential management, providing solutions to confidently establish a person's identity when interacting digitally. For more than two decades, the company's experience has been leveraged by security-minded organizations in large-scale deployments such as the U.S. Department of Defense, Nissan, and Saudi Aramco. The company's customers have issued more than 100 million credentials, securing the holder's digital identity.



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