



*Trusted
and reliable
digital identity
solution*

Benefits for corporates

- Multi-bank signing solution built on industry standards
- Security based on latest cryptographic technology
- Reduced complexity and cost by using single device and process

Benefits for banks

- Interoperability without reliance on other banks
- Enhanced customer service
- Opportunity to reduce investment in proprietary solutions



▲ The 3SKey token

3SKey

SWIFT Secure Signature Key – a multi-bank and multi-network personal digital identity solution

In response to demands from its clients, SWIFT, in partnership with the banking community, developed a multi-bank personal digital identity solution. The solution, usable on the SWIFT network but also on proprietary networks or the internet, allows corporates to sign financial messages and files sent to their banks, using a single signing device. It also offers banks a cost-effective way to implement secure authentication on electronic banking services by using a shared, reliable and trusted Public Key Infrastructure (PKI).

Today, financial institutions are facing a growing number of digital transactions. Such digital exchanges create new challenges and risks related to verifying messages and authenticating corporate representatives. Banks are required to verify the identity of the individual and the integrity of the received message. This process takes time and leads to high operational costs and risks.

At the same time, banks and their corporate clients cope with a wide variety of personal signing mechanisms, which are costly and difficult to use and maintain.

The different authentication methods can be replaced by a single device and process, allowing corporates and banks cut costs and improve operational efficiencies.

3SKey benefits

- Lower costs

Many financial institutions operate a PKI and issue their own certificates. In the 3SKey scheme, SWIFT becomes the certification authority and issues the credentials.

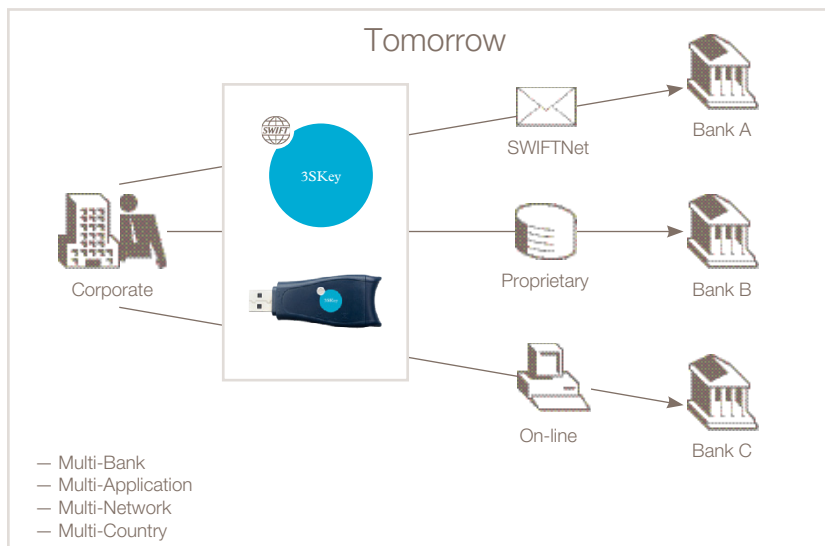
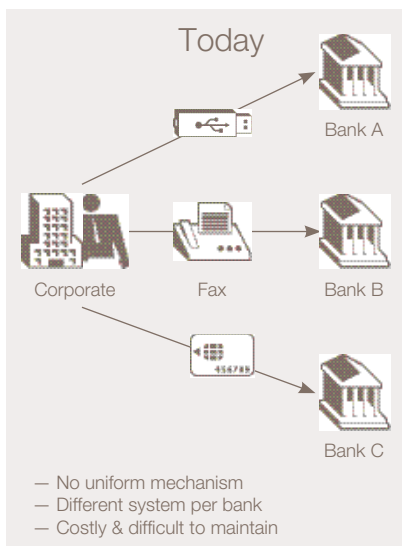
- Efficiency gains

3SKey offers a more effective authentication mechanism. The solution makes transactions processing more seamless by enabling a single credential for personal authentication, but also in the area of electronic bank account management (account opening and mandate management), across banks.

- Reduced risks

3SKey is a secure solution that uses the latest cryptographic technology, thereby reducing risks associated with authentication:

- PKI
- X.509 V3 certificates
- RSA keys of 2048 bits
- SHA 256 digest calculation
- PKCS #7 formatted signatures



The corporate view

- Global interoperability

Banks can offer interoperability with other banks whilst maintaining the registration process under their own control. Banks therefore do not need to rely on the registration activity and/or PKI of each other.

- Standardised

The 3SKey solution and certificates are built on commonly used industry standards for easy and rapid integration in applications whilst ensuring maximum security.

3SKey components

To enable 3SKey for your applications, SWIFT provides the following components:

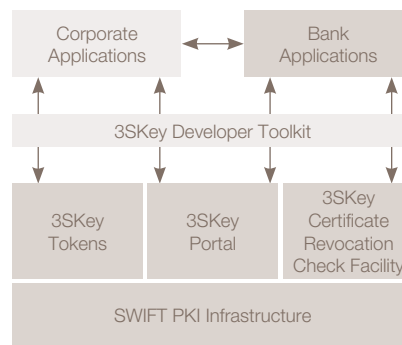
- 3SKey Tokens: Qualified USB devices holding the secure keys for signing.
- 3SKey Portal: Secured web service to manage 3SKey certificates (activation, revocation, renewal, recovery).
- 3SKey Certificate Revocation List: At any time, users can revoke their 3SKey certificate. Financial institutions consult a central directory to check the revocation status of 3SKey certificates.
- 3SKey Developer Toolkit: Specifications and software libraries to ease and limit the integration effort to support 3SKey in bank and corporate applications

3SKey step-by-step

A closer look at the 3SKey solution step-by-step:

1. SWIFT issues credentials on USB tokens using SWIFT PKI
2. Tokens are distributed by 3SKey subscribed banks to corporate end-users
3. Corporate end-users activate their token through the 3SKey web portal
4. An anonymous certificate is generated on the 3SKey token
5. The user registers credentials with a first bank which performs the identity control and associates the person with the certificate
6. The user can now start using the 3SKey token to sign data or on-line banking services which will verify the signature
7. Subsequently the corporate representative can register and use the same 3SKey token with other banks
8. When needed, the end-user or its administrator can access the 3SKey portal to manage its certificate

SWIFT partners play an essential role in adopting the 3SKey signature in their applications and ensuring interoperability.



The 3SKey components

Financial institutions interested in the 3SKey solution can find additional information on www.swift.com.

Corporates wishing to learn more about 3SKey can go to www.3skey.com.

For more information please contact your SWIFT account manager or visit www.swift.com