

Secure Online Access

SMART 2x2™ - A strong, two-factor and two-way authentication solution

Existing strong authentication solutions often require extra hardware devices, such as smart cards or tokens, which are expensive to deploy and manage. Smart 2x2 delivers a hardware-strength authentication solution that does not require additional hardware devices. It is easy to deploy, simple to manage and more cost-effective than other hardware alternatives.

Key Features

- **Strong Authentication** - The solution turns the users PC into a smart token whereby the solution is as strong as any hardware based system.
- **Secure Transactions** - The solution provides specific transactional authentication and encryption to protect transactions from man-in-the-middle attacks.
- **Single Sign On** - Once the user's PC fingerprint has been authenticated, it is subsequently transparent to the user, offering maximum security and minimum hassle, simplifying the end-user experience.

Key Benefits

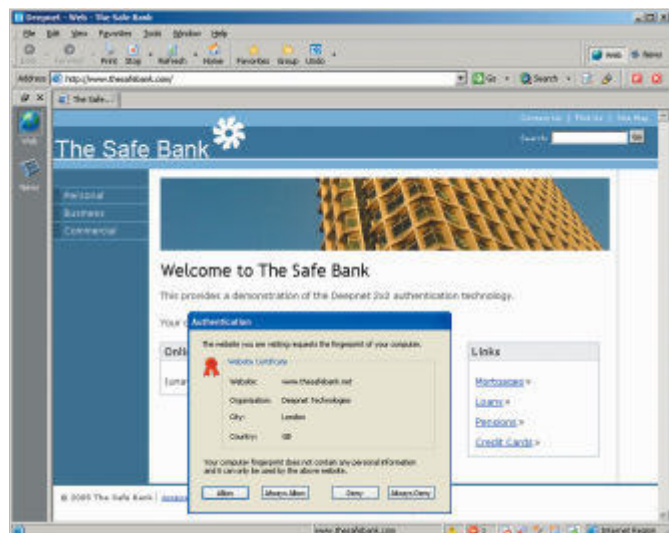
- **Easy to deploy and cost effective** - Users only need to install a small browser plug-in or use Deepnet Explorer.
- **Increases customer trust** - Allows banks or ecommerce websites to rebuild and enhance customer confidence in their systems.

SMART 2x2 delivers a software-based, hardware-strength, two-factor and two-way authentication solution. The first factor is something you know - your password. The second factor is something you have - your computer

SMART 2x2 is the strongest form of mutual authentication, with a seamless integration of computer fingerprint and PKI certificate. It is simpler and more cost-effective to deploy than the traditional PKI and smart card solutions.

SMART 2x2 aims to provide unbreakable security without expensive hardware deployment.

SMART 2x2™ is the ultimate authentication solution for online banking and ecommerce



Two-Factor Authentication

The solution authenticates the user to the site. Once the user's login name and password has been successfully authenticated, the user's PC is turned into a smart token and its fingerprint is used as the second factor in the authentication process.

Two-Way Authentication

The solution also authenticates the site to the user. Before the user is authenticated, the website is authenticated by showing its PKI certificate. Therefore, the user can be confident that the site they are visiting is legitimate and not a spoof.

Secure Transaction

Once the client and server have been mutually authenticated, they will agree on a hidden one time session password that will be used to secure transactions during that specific user session. The system is virtually immune to any phishing or man-in-the-middle attacks, since each transaction form is encrypted.

Single Sign On

With Smart 2x2, a one-time user authentication and authorization can allow a user to access online services without the need to enter multiple passwords. There is no need for the service provider to change their existing login procedure; and there is no need for customers to change their current login experience.

Smart 2x2 can be used in the login and transaction process for an online service.

