

News & Events Achieve – 2002 -2004

News in 2002 - 2004

Date: Aug, 2004

i-Sprint innovations opens an office in Japan.

August 2004, i-Sprint Innovations has established a direct sales and support facility for the Identity & Access Management Solution markets of Japan.

The office is located in Tokyo, Japan.

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i-Sprint is proud to launch "End-to-End Secure SMS Channel" together with Setec's ePKI/SIM Card and i-Sprint's AccessMatrix.

July 2004, This unique solution provides a convenient and highly secure communication channel using the GSM Short Message Service (SMS). The architecture is based on proven technology components from i-Sprint, Setec and other vendors. Security features provided by this solution include user authentication, authorization, confidentiality, integrity, non-repudiation, audit trails and single point of administration.

This integrated PKI-based solution provides to service providers, e.g. banks, stock brokers, etc, with an end-to-end method of securing confidential information, authenticating users and digitally signing transactions via SMS. Mobile phones, which are connected to one of the GSM networks that support SMS, will be able to make use of this breakthrough technology. It allows an ordinary mobile handset to be used as Personal Trusted Device (PTD).

Transaction Approval Example

A transaction initiated via a browser connected to the Internet is sent to a mobile phone via SMS for approval by the originator of the transaction or another person with approval authority. The transaction data sent to the mobile phone will be integrity protected and encrypted with a 1024-bit RSA public key. The transaction details will be displayed on the mobile phone's display window after it is decrypted by the Setec's ePKI/SIM card on the mobile phone.

At the same time, the user is given an option to "Approve" or "Reject" the transaction. An example of a business transaction seen by the user:



After the user is authenticated, the private key stored on the mobile phone will be used to digitally sign the hash of the transaction if the correct PIN is entered by the user or authorizer. The return SMS message containing the digital signature is then automatically sent from the mobile handset to the SMS Center.

Architecture

The main components of the architecture are the Access Matrix Security Server, a Certificate Authority, Umero Unified Message System, SMS Centre and a phase 2+ mobile phone with Setec's ePKI/SIM card.

Multiple business applications will be able to leverage the security infrastructure that is established to conduct secure transactions over the Internet and the SMS channel.

Benefits

Service Providers/Banks will be able to provide secure payment and other business solutions immediately by leveraging the millions of ordinary mobile phones that are currently in use globally to conveniently and securely conduct business transactions with their valuable consumer or corporate customers.



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