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MAKING BUSINESS SENSE OF IT SECURITY

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in action

Secure on-line banking

Taking on the security challenge

IN A MOVE THAT clearly leads the way for ensuring security in on-line banking, Habib Bank Zurich has implemented a CRAM-based security model for the of access only in the hands of the user himself. And base (64.3% of credit customers and 71.4% of depositors are presently using the HBZ integral banking and mobile solution) at no extra cost.

the UAE and services 65,000 plus active accounts across the country. All data and information generation is done in real-time, enabling customers, especially on-line banking users to request and specify details in

"This security project for the bank was all about taking on-line security to the next level. With a layered and cascading login system and with a multi-level keystroke tracking and even phishing can be compeliminated," says HBZ Assistant VP Amer A Farid.

Interestingly, this technology takes a good shot at permits access to that particular banking session. It can the possibility of the access code being tracked or

But this technology is not completely new to HBZ first challenge mechanism in the form of an image toker The bank currently has eight branches spread across and instant CRAM tool is required. Which lead to the development of HBZcram," says Farid. According to he toos the country. All data and information generation the key message for the bank's customers is that the at making the tools and technology to operate in a secu-environment available right in the hands of a customer.

What is CRAM?

program eliminates the need for the user to carry a based password computing method, which eliminates

screen, other than the standard user name and passwo passwords. Specifically, the HBZcram program takes

When we were thinking of how we can make a M-based token work, the idea in our minds was ntegrated it into something that the user will carry card. Then we figured that a mobile phone is somethin that a person never wants to leave behind. So we built the CRAM program to work with Java enabled mobile

for something like this," says Farid.

The HBZcram itself is a small bit of software that is available for free download at the bank's Website. A user which then instantly links the program to the persons account information. "So when a user logs in using the

Habib Bank Zurich has implemented a CRAM-based security model for the first time ever in the Middle East banking sector. This will not only ensure that on-line banking customers of its HBZweb will have four levels of security to protect their information, but will also literally put the power of access only in the hands of the user himself.

How does this work?

Level 1

First of all, this entire system puts together four levels of security and authentication/ validation. At the first stage, the user accesses his on-line banking site and inputs his regular login and password that is traditionally used to gain access.







Level 2

Once the level 1 is complete, the user now needs to use the image token, which appears on the login screen. This image token will give the user the number combination to enter into the HBZcram software on his mobile.



The user now inputs the image token number into his HBZcram software and computes it. The software instantly scrambles the number and computes the combination and comes up with an instant password for the user. This password can be used to enable just that one session with the bank and is disabled if not used within a certain frame of time.



Level 4

User enters the session using this password and begins his banking session, on-line.

Level 5

Customers can request for an additional secure key that will work on top of all these levels. This offering is a hardware device (a CD or USB) which holds secure key numbers that are linked to account

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