

Case study
CSITech

“We work with many security organisations, Government agencies and Police forces around the world. The nature of our business means we have to preserve and protect any sensitive information that is found, recovered or retrieved. As our staff travel around the globe for business we found that our hardware tokens was hampering our business practice. We selected the phone based technology from SecurEnvoy as did not require any software installing upon the phone and could be used even with loss of signal and SMS delays. Investigation of users’ habits demonstrated that they protected their mobile phone far more than any other type of authentication device”.

Nick Furneaux, CSITech.



The nature of our business means we are always traveling to customers’ sites for our investigation work. At times when we recover information we have to move it to another agency very quickly. Our remote access strategy required changing as we had always used hardware token to provide Two-Factor authentication, we found these were failing or going out of synchronization which hampered connection to our offices.

Nick Furneaux, CSITech goes on to say:

“We investigated a solution that used a web based graphical image that the user applies their pin to and extrapolates their entry code from. We found this solution protected us against key stroke logging but did not give adequate protection against more common password threats such as PIN’s being comprised by social engineering, easily guessed (postcode, birth date), written down and screen scraping. Finally we were uncomfortable that a brute force attack could break a 4 digit PIN very quickly, we recommend at least an entry code of 8 digits, ideally 10. The complexities involved in using a greater PIN length became unusable as users were burden with higher levels of computational entry.

The only viable solution that protected against all password attacks had to be based on Two-Factor authentication. The first factor being something the user knows and the second factor being something they own (a mobile phone)”

CSITech considered using the web graphical interface method to cater for a small number of users who did not have a mobile phone. However it was apparent that this created a weak point of entry, as the hacking community will always try the easiest way of entry. We therefore realised that the only secure option was to mandate a Two-Factor only based solution. Users without a mobile were catered for by sending an SMS text to their landline, the SMS text is replayed by a voice editor in the form of a voicemail.

The end result was that product from SecurEnvoy fitted our profile very well. Our remote access system is operational using SecurAccess. Our customers concluded that we showed proper controls for moving and protecting sensitive investigative information.

About CSITech

An independent security company who specialise in audits (BS7799), penetration testing and forensic investigation.

To maintain TOTAL independence we do not supply any hardware or software solutions but will guide and assist where required.

The lists of available skills are:-

- > Computer forensic investigators
- > Firewall advice

- > Security auditing
- > Network penetration testing
- > Social Engineering
- > Security and technology use policies
- > Secure email and authentication consulting
- > Cryptographic and password cracking services

CSITech are a professional agency that can provide experts in the forensic examination of electronic equipment. They can work on or offsite whilst complying with all the appropriate standards and guidelines such as the ACPO (Association of Chief Police Officers) guidelines for data acquisition.



SecurAccess:

Authentication for the modern business

SecurAccess from SecurEnvoy turns any mobile phone that can receive SMS into a ready made authentication device. This pioneering zero-footprint solution cuts costs by using hardware that is already in circulation.

Unlike traditional tokens that take months to deploy and replace, SecurAccess can roll out more than 15,000 new remote staff per hour without the pain, cost or environmental impact created by legacy hardware distribution.

The solution fully integrates into Microsoft Active Directory, Novell eDirectory, Sun Directory Server and OpenLDAP. Integration is simple as it requires no additional databases or hardware – not to mention their associated cost.

SecurAccess also integrates with all leading remote access servers and web services including Microsoft OWA, Citrix, Juniper and Cisco.

There's also no need for extra software, eliminating costly and time-consuming testing and training schemes. SecurEnvoy has been designed to respond to the constant changes in mobile technology to ensure a competitive ROI.

Worried about network coverage or SMS delivery delays?
SecurAccess is fundamentally designed to let you:

- Pre-load one-time passcodes
- Reuse session passcodes that change daily or after multiple days
- Request temporary passcodes through self-help website
- Obtain passcodes via email if necessary

SecurAccess is changing the game for business security. No tokens, no fuss...
Just rock solid, two-factor security on the move.

For more information about SecurAccess or SecurEnvoy's other products, visit www.SecurEnvoy.com.



About SecurEnvoy

SecurEnvoy are the inventors of tokenless authentication and provide two-factor authentication via mobilephones. Passcodes are sent to the user's mobile phone in order to access corporate internal networks, cloud based services or private emails.

SecurEnvoy's products - SecurAccess, SecurPassword, SecurICE and SecurMail - are adopted worldwide.

Customers benefit from reduced support time, no database management as existing LDAP servers are used and zero footprint as no token deployment is required, so ROI for organisations is relatively high.

SecurEnvoy distributes through the channel, providing customers the value added benefits of working with

local partners. It has built up a technical and sales

infrastructure that supports most languages and

cultures around the world. Partners include: Juniper, Citrix, Fortinet, Sonic Aventail, Cisco, Checkpoint, Celestix, Microsoft and F5. SecurEnvoy's customers include T-Mobile, Symantec, John Lewis, NHS and Save The Children.

Founded by Andrew Kemshall and Stephen Watts in 2003, SecurEnvoy is based in Theale, Berkshire.

For more information about SecurEnvoy and its products, visit www.securenvoy.com.



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