



# 3X Software News

**Autumn 2007**

**3X Software is the UK's leading provider of Credit/Debit/Purchasing card payment and address management software for the iSeries**

## Welcome to our Autumn Newsletter



The summer may have been cool and a bit of a wash out but things are hotting up in the card payment industry. The Payment Card Industry Security Council are starting to get tough in relation to card payment data security, if you thought it didn't affect you then think again! This news letter covers how you can protect your customers data and how you can protect your business from the increasing internet fraud.

## To Encrypt or not to Encrypt?

This is the question all companies that hold customer payment card data on their computer systems are asking themselves. The simple answer is if you hold data then the PCI standard states:

### **Requirement 3: Protect Stored Data**

*Encryption is the ultimate protection mechanism because even if someone breaks through all other protection mechanisms and gains access to encrypted data, they will not be able to read the data without further breaking the encryption. This is an illustration of the defence in depth principle.*

### **Requirement 7: Restrict access to cardholder data by business need-to-know**

*This requirement ensures critical data can only be accessed by authorised personnel.*

### **If you have credit card numbers in your iSeries database files what do you need to do?**

The first step would be to speak to 3X Software as we can provide you with the optional EFT/400 encryption module to encrypt all the card data within the application and restrict the viewing of the sensitive data.



### **Do you hold Card numbers outside of EFT/400?**

You will need to identify which database files or SQL tables contain credit card numbers, what logical views or SQL indexes use the credit card number, and what applications create or access the credit card number. You may need to convert some numeric fields to character in order to avoid data access errors. You may need to remove logical views or indexes based on a credit card number, and develop an alternative method to access information. You will probably need to modify applications that insert credit card numbers into your database, and which access credit card numbers for interactive and batch processing. Be sure to have a good map of your applications with all impacted programs identified. For any data stored outside of EFT/400 we can assist you by providing encryption routines to incorporate into your software.

### **What if our customer support applications do lookups by credit card number? How will these applications be impacted?**

You will need to create an alternative method for locating records in your database. If you are currently looking up records by credit card number, consider accessing records by customer name, transaction number or date range (from date, to date). Or, you may be able to access records by customer name and post code. By eliminating the credit card number from the access logic you can create a much smaller set of records, and then decrypt and display the credit card number as needed.



**For your credit/debit and purchasing card payment solution or address management software native to the iSeries contact 3X Software.**

## 3D Secure - Verified by Visa and MasterCard Securecode

3D secure is a technical standard developed by Visa and MasterCard and is commonly known as Verified by Visa and MasterCard Securecode. It is a simple password-protected identity-checking service that takes the risk out of online retail, for you and for your customers.



**MasterCard.**  
SecureCode.

You get protection from fraudulent transactions and the costs associated with it, and your customers get the reassurance they need to spend with confidence.

- **Eliminate chargebacks** - Helps protect you from fraudulent claims from cardholders – that they didn't take part in, or authorise, a payment. Once you are up and running with Verified by Visa, you are no longer liable for chargebacks of this nature.
- **Boost customer confidence** - Research in Germany, Spain and the UK shows that 84 percent of people who do not shop online would be more likely to with Verified by Visa. Of established Internet shoppers, 71 percent say they would do so more frequently.
- **Achieve bigger sales** - Research by the analysts Gartner Group states that the average e-commerce transaction is worth less than €73. Figures from Visa Europe show that the average Verified by Visa transaction is worth more than €138.
- **Implement with ease** - Using Verified by Visa is a matter of adding a quick extra step to your online checkout procedure. For customers, enrolling takes moments and each purchase is accompanied by a personalised secret message from their card issuing bank.

3X are currently working with Visa & MasterCard to develop a platform portable Merchant Plugin Interface (MPI). The MPI is not iSeries specific and will reside on the Web server (whether that is iSeries, windows, UNIX or Linux etc) you use for hosting your web application. Regardless of which server you use it will work seamlessly with your EFT/400 product for those customers wishing to process Customer Not Present (CNP) credit/debit card transaction via the internet. The module should be available by the end of the year.

For more information see:

<http://www.visaeurope.com/merchant/handlingvisapayments/cardnotpresent/verifiedbyvisa.jsp>

<http://www.mastercard.com/us/personal/en/cardholderservices/securecode/index.html>

## IBM Announces System i V6R1

IBM plans to introduce a major new release of i5/OS in 2008, with a wide range of enhancement that include major new security, business resiliency and virtualisation capabilities. Continued investments in business resiliency include enhancements and further simplification of system cluster management. Virtualisation support will be enhanced with new features to simplify testing and deployment of i5/OS applications. Also i5/OS storage virtualisation will be enhanced to enable broader access to network storage devices.

For further information about this new release please go to IBM website using the link below:

<http://www-03.ibm.com/systems/i/os/i5os/v6r1preview/index.html>



### Manchester Office:

379 Chorley Road  
Swinton,  
Manchester  
M27 9UQ  
Tel: 0161 793 4674  
Fax: 0161 794 2551

### North Wales Office:

23 Princes Drive  
Colwyn Bay  
Conwy  
LL29 8HT  
Tel: 01492 533003  
e-mail: [sales@3xsw.co.uk](mailto:sales@3xsw.co.uk)



IBM ISV Advanced Member