MBA Business Software
Custom Modifications – User Guide

Description:	Get Encrypted Payment		
Product ID:	**CS100M-GEP**	Release:	**1.0**
Application:	**Sage 100**	Version:	**5.0+**
Resource:			

Get Encrypted Payment

Overview

The Payment Data Access service is an API that retrieves credit card and ACH entries from the Sage payment vault and returns the data in a user encrypted format. It is licensed for one-year of unlimited use only to Sage Development Partners.

Format

GetEncryptedCard(*GUID$,LicenseKey$,CompanyCode$,PaymentType$,EncryptedCard$***)**

GetEncryptedCard(*GUID$,LicenseKey$,MID$,MKEY$,EncryptedCard$***)**

Where:

GUID$	This is the CreditCardGUID$
LicenseKey$	MBA's License Key. This will be provided by MBA after it has been purchased. License keys are based on the Sage Serial number and is good for one year.
CompanyCode$	Company code is the three-digit company code in Sage.
MID$	MID is the Merchant ID (AR_PaymentType.MerchantID$) or Vault Only ID (sy_company.CreditCardVaultOnlyID$) that the GUID is based on.
PaymentType$	PaymentType is the paymentType value in Sage related to the GUID. *This is required if using CompanyCode$.
MKEY$	MKEY is the Merchant Key (AR_PaymentType.MerchantKey$) or Vault only Key (sy_company.CreditCardVaultOnlyKey$) that the GUID is based on. *This is required if using MID$.
EncryptedCard$	This is the variable that the encrypted payment information is passed to. It is Encrypted with Alogrithm of AES using Cipher mode CBC with a length of 256. When decrypted the value will be an array containing either the Credit Card or ACH data. The layout would be:

	• Credit Card: Credit Card No | Expiration Date MMYY • ACH: Routing No | Account No | Type (DDA=Checking or SAV=Saving)

Returns

Success or Failure (1 or 0)

Example

```
tempOBJ = New("SY_ccExport", %SYS_SS)

! Example uses Trial version of ChilKat. Other tools can be used.
Def Object ChilKat, "ChilkatCrypt2.ChilkatCrypt2.1"
Success = ChilKat'UnlockComponent("Trial")

License$ = "CS100M-GEP-1e59da8067"
SageSerialNo$ = "1645458"

ChilKat = tempOBJ'GetChilKatObject()
ChilKat'CryptAlogrithm$ = "aex"
ChilKat'CipherMode$ = "cbc"
ChilKat'KeyLength = 256
ChilKat'PaddingScheme = 0
Hex$ = "hex"
ChilKat'EncodingMode$ = Hex$
IVHex$ = "000102030405060708090A0B0C0D0E0F"
ChilKat'SetEncodedIV(IVHex$, Hex$)
KeyHex$ = HTA(License$) + HTA(SageSerialNo$)
ChilKat'SetEncodedKey(KeyHex$, Hex$)

GUID$ = "e61216ba840d4a0e8dd1986fc4b60d2c"
MerchantID$ = "123456654321"
MerchantKey$ = "P1KS2V89Q5D8"

retVal = tempOBJ'GetEncryptedCard(GUID$, License$, MerhantID$, MerchantKey$,
EncryptedCard$)

IF NOT(retVal) {
        MSGBOX tempOBJ'lastErrorMsg$
} else {
        Decrypted$ = ChilKat'DecryptStringENC$(EncryptedCard$)
```

       Print Decrypted$
}

DROP Object TempOBJ

Install

Extract the files into the MAS90/SY folder

Files provided are:
- **ChilkatCrypt2.dll** - Chilkat encrypt/decrypt
- **SY_ccExport.PVC** - Object that contains the function being called to get data.

Requires internet access as well as a working install of Sage 100 version 5.0 or greater.

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