**ASP 3 Party (Server Hosted) VPC SHA256 Example Code**

## What files are included in the package?

## PaymentCodesHelper.asp - Response code mapping table to assist digital receipt displays

## VPCConnection.asp - The library which contains the communication with the Payment Gateway

## ASP\_VPC\_3Party\_Order.html - The HTML page for the payment form

## ASP\_VPC\_3Party\_Order\_DO.asp - The asp classic code behind the Digital Order page

## Line 94: Enter Merchant's secure hash secret

## ASP\_VPC\_3Party\_Order\_DR.asp - The asp classic code behind the Digital Receipt page

## Line 94: Enter Merchant's secure hash secret

## sha256.wsc - Javascript implementation of SHA256 HMAC used VPCConnection.asp

## How do I change from MD5 to SHA 256?

Get your developer to look at your current code and locate where the MD5 hash is being calculated. They will need to look at the logic below and replace the current MD5 hash calculation with the below SHA256 HMAC calculation.

**Step 1: Create string with transaction data via the merchant application.**

Create a string with field names and values in ascending order using the POST data from ASP\_VPC\_3Party\_Order.html:

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| For Each item In Request.Form  If Request(item) <> "" And item <> "SubButL" And item <> "virtualPaymentClientURL" And item <> "Title" Then  ' Add the item to the array if we need a Secure Hash  If Len(SECURE\_SECRET) > 0 Then  MyArray (count,0) = CStr(item)  MyArray (count,1) = CStr(Request(item))  End If  ' Add the data to the VPC URL QueryString  redirectURL = redirectURL & seperator & Server.URLEncode(CStr(item)) & "=" & Server.URLEncode(CStr(Request(item)))  seperator = "&"  ' Increment the count to the next array location  count = count + 1  End If  Next |
|  |

**Step 2: Create SHA256 HMAC**

* *Obtain Secure Hash Secret either from the existing MD5 calculation or from Merchant Administration*
* *Calculate SHA256 HMAC using the secret as a key to produce the secure hash*
* *Add the hash calculated by* objMyVPCConn.doSecureHash *to the request string to send to the gateway*
* *Also add parameter* vpc\_SecureHashType=SHA256

|  |
| --- |
| redirectURL = redirectURL & seperator & "vpc\_SecureHash=" & objMyVPCConn.doSecureHash & seperator & "vpc\_SecureHashType=SHA256" |

## Can I process 2.5 Party (Server Hosted with card details) transactions?

Yes, the process will use the same logic as above 3 Party example. Your developer will need to calculate the SHA256 HMAC and POST the data to the Payment Server.