



# Quantum Transparent Database Engine

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For support, please contact:  
(800) 929-1848  
<http://www.quantumgateway.com>



We have developed our Transparent Database Engine for those merchants who collect and or store all their customers' information. Most uses for this are automated billings.

By using this method the merchant can process the transaction from their website to us without their customer seeing it. The customer never leaves the merchants website.

Any merchant using these methods should use a Secure Certificate to ensure the information is secure.

For this method the items that must be passed to the Transparent Database Engine are as follows.

Items	Variables	Values
Gateway Login	gwlogin (Required)	assigned login
Payment Type	trans_method	CC or EFT (You must be able to accept EFT to use it) CC is used by default if Payment Type is not sent.
Transaction Type	trans_type	CREDIT, SALES, AUTH_CAPTURE, AUTH_ONLY, RETURN, VOID, PREVIOUS_SALE  CREDIT is a charge and will use the default Processing Settings.  A SALE, same as CREDIT, is a charge and will bypass the Processing Settings. SALES does not use AVS and CVV2 settings.  AUTH_CAPTURE is an auth and if AVS and CVV2 settings pass then it will be converted to a sale.  AUTH_ONLY does a auth to see if the credit card is good and has the fund and will bypass the Processing Settings. AUTH_ONLY does not use AVS and CVV2 settings.  RETURN is a refund - Required full credit card information.  PREVIOUS_SLAE – Force a previously AUTH_ONLY or Partial Payment to settle.  VOID and PREVIOUS_SALE require transID - The TransactionID
Transaction ID	transID	Original Transaction ID. Used for VOID, PREVIOUS_SALE and RETURN on a previous settled transaction.
Credit Card Number	ccnum	
Credit Card Expiration	ccmo ccyr	03 (2 digit month) 06 (2 digit year)
ABA/Routing Number	aba	9 digit routing number
Account Number	checkacct	Checking Account Number

ccnum,ccmo and ccyr are required for CC payment.		
aba,checkacct and trans_method with value of EFT are required for EFT payment		
Total Amount To Charge	amount (Required)	19.95 (numerical only)
Billing Address	BADDR1 (Required)	1021 Eden Way North Suite #110
Billing Zipcode	BZIP1 (Required)	23320
Billing Email Address	BCUST_EMAIL (Required)	customer@domain.com
Override Default Email Customer	override_email_customer (Required)	Y or N Y=Send email receipt N=Don't send email
Override Default Transaction Email	override_trans_email (Required)	Y or N Y=Send email N=Don't send email
Restrict Key	RestrictKey	Your key if use Restrict Key is enabled
Post URL	https://secure.quantumgateway.com/cgi/tqgwdb.php (Required)	
Billing Name	BNAME	John Doe
CVV2	CVV2	998 (numerical only)
CVV Type	CVVtype	0 - Not Passing CVV2 1 - CVV2 is being passed 2 - CVV2 on card is unreadable 9 - Card does not have CVV2 imprint
Data Seperator	Dsep	Please select this from the Processing Config Page.
Max Mind Fraud Control	MAXMIND	1 - Use Maxmind (default if not sent) 2 - Do not use Maxmind
Enable Partial Authorizations	EnablePartialAuth	Yes or No
Partial Payment ID	PartialPaymentID	The value that links the current transaction to the initial transaction using Partial Authorizations

## Recurring Billing

<b>override_recur</b> - You may override the default Recurring price by passing this item. ie <b>override_recur=Y</b>
<b>RID</b> - Your RID # is the number associated with the Recurring Recipe. If you are unsure of the RID click on View Recipes in the Recurring Center. The RID is the first column. (numeric value)
<b>initial_amount</b> - If this field is not present the normal Transaction amount will be used. (numeric value)
<b>recur_times</b> - If this field is not present the default recur times will be used per the specs of the above RID (numeric value)
<b>OverRideRecurDay</b> - Y or N. Override the default recurring day.

**NOTE: DialVerify, Verified by Visa and SecureMasterCard can not be used with the transparent form. Please use the QGWdatabase Engine instead.**

## Sample Responses

Format: result,authcode,transID,AVRResponse,CVV Response,Max Score,decline\_reason(if any),Error Code(if any)  
 "APPROVED","019452","65735","Y","M","0.3"  
 "DECLINED","019452","65735","Y","M","0.3","Auth Declined","200"

### Approved Reply Fields

Position	Field Name	Field Value
1	Transaction Status	APPROVED
2	Authorization Code	



3	Transaction ID	Gateway Transaction ID Number.
4	AVS Response	Address/Zip verification if used
5	CVV2 Response	CVV2 Response if used.
6	Maxmind Score	Maxmind fraud score if used.
7	Account Number	Last 4 of the credit card number.
8	Card Type	2 digit card type.
9	Approved Amount	Amount Approved for this request.
10	Original Amount	The original amount for this request.
11	Partial Payment ID	The value that links the current transaction to the original transaction.
12	Balance	Balance on debit card or prepaid card.
13	Currency	Currency on debit card or prepaid card.
14	Balance 2	Balance 2 on debit card or prepaid card.
15	Currency 2	Currency 2 on debit card or prepaid card.

#### Declined Reply Fields

Position	Field Name	Field Value
1	Transaction Status	DECLINED
2	Authorization Code	
3	Transaction ID	Gateway Transaction ID Number.
4	AVS Response	Address/Zip verification if used
5	CVV2 Response	CVV2 Response if used.
6	Maxmind Score	Maxmind fraud score if used.
7	Decline Reason	The full reason for decline.
8	Error Number	If applicable.
9	Account Number	Last 4 of the credit card number.
10	Card Type	2 digit card type.

## SAMPLE RETURN in CURL for a previously settled transaction

```

$POSTFIELDS =
"&gwlogin=$gwlogin".
"&RestrictKey=$RestrictKey".
"&trans_type=RETURN".
"&ccnum=1111".
"&transID=1121";

$ch = curl_init();
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);
curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_URL,$LOGINURL);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS,$POSTFIELDS);
$result_curl = curl_exec ($ch);
curl_close ($ch);
$mytest = $result_curl;

```

## SAMPLE REQUEST in CURL without recurring

```

$POSTFIELDS =
"&gwlogin=$gwlogin".
"&RestrictKey=$RestrictKey".
"&trans_type=AUTH_CAPTURE".
"&ccnum=".$_POST['CreditCardNumber'].
"&ccmo=".$_POST['ExpirationMonth'].
"&ccyr=".$_POST['ExpirationYear'].
"&amount=".$_POST['Amount'].
"&FNAME=".$_POST['FirstName'].
"&LNAME=".$_POST['LastName'].
"&BADDR1=".$_POST['Address'].
"&BZIP1=".$_POST['ZipCode'].
"&CVV2=".$_POST['CVV2'].
"&CVVtype=1".
"&BCITY=".$_POST['BillingCity'].
"&phone=".$_POST['Phone'].
"&BSTATE=".$_POST['BillingState'].
"&BCUST_EMAIL=".$_POST['CustomerEmailAddress'].
"&customer_ip=$customer_ip".
"&MAXMIND=1".
"&Dsep=Comma".
"&cust_id=".$_POST['CustomerID'];
$ch = curl_init();
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);
curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_URL,$LOGINURL);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS,$POSTFIELDS);
$result_curl = curl_exec ($ch);
curl_close ($ch);

```

## SAMPLE REQUEST in CURL for another request AFTER a Partial Authorization

```

$POSTFIELDS =
"&gwlogin=$gwlogin".
"&RestrictKey=$RestrictKey".
"&trans_type=AUTH_CAPTURE".
"&ccnum="._POST['CreditCardNumber'].
"&ccmo="._POST['ExpirationMonth'].
"&ccyr="._POST['ExpirationYear'].
"&amount="._POST['Amount'].
"&FNAME="._POST['FirstName'].
"&LNAME="._POST['LastName'].
"&BADDR1="._POST['Address'].
"&BZIP1="._POST['ZipCode'].
"&CVV2="._POST['CVV2'].
"&CVVtype=1".
"&BCITY="._POST['BillingCity'].
"&phone="._POST['Phone'].
"&BSTATE="._POST['BillingState'].
"&BCUST_EMAIL="._POST['CustomerEmailAddress'].
"&customer_ip=$customer_ip".
"&MAXMIND=2". # no need to have maxmind run again.
"&Dsep=Comma".
"&cust_id="._POST['CustomerID'].
"&PartialPaymentID=$ppID";
$ch = curl_init();
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);
curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
curl_setopt($ch, CURLOPT_URL,$LOGINURL);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS,$POSTFIELDS);
$result_curl = curl_exec ($ch);
curl_close ($ch);

```

## SAMPLE REQUEST in CURL with recurring

```

$POSTFIELDS =
"&gwlogin=$gwlogin".
"&RestrictKey=$RestrictKey".
"&trans_type=AUTH_CAPTURE".
"&ccnum="._POST['CreditCardNumber'].
"&ccmo="._POST['ExpirationMonth'].
"&ccyr="._POST['ExpirationYear'].
"&amount="._POST['Amount'].
"&FNAME="._POST['FirstName'].
"&LNAME="._POST['LastName'].
"&BADDR1="._POST['Address'].
"&BZIP1="._POST['ZipCode'].
"&CVV2="._POST['CVV2'].
"&CVVtype=1".
"&BCITY="._POST['BillingCity'].
"&phone="._POST['Phone'].
"&BSTATE="._POST['BillingState'].
"&BCUST_EMAIL="._POST['CustomerEmailAddress'].
"&customer_ip=$customer_ip".

```

```
"&MAXMIND=1".  
"&Dsep=Comma".  
"&RID=2".  
"&OverRideRecurDay=Y".  
"&cust_id=".$._POST['CustomerID'];  
$ch = curl_init();  
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);  
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);  
curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);  
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);  
curl_setopt($ch, CURLOPT_URL, $LOGINURL);  
curl_setopt($ch, CURLOPT_POST, 1);  
curl_setopt($ch, CURLOPT_POSTFIELDS, $POSTFIELDS);  
$result_curl = curl_exec ($ch);  
curl_close ($ch);
```

## **SAMPLE VOID** in CURL

```
$POSTFIELDS =  
"&gwlogin=$gwlogin".  
"&RestrictKey=$RestrictKey".  
"&trans_type=VOID".  
"&transID=1121";  
  
$ch = curl_init();  
curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);  
curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);  
curl_setopt($ch, CURLOPT_FOLLOWLOCATION, 1);  
curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);  
curl_setopt($ch, CURLOPT_URL, $LOGINURL);  
curl_setopt($ch, CURLOPT_POST, 1);  
curl_setopt($ch, CURLOPT_POSTFIELDS, $POSTFIELDS);  
$result_curl = curl_exec ($ch);  
curl_close ($ch);  
$mytest = $result_curl;
```