

# Methodology

## Query

### Overview

While our online reporting interface allows merchants to quickly and easily retrieve detailed information about past transactions, a need for additional flexibility may be required. For example, a merchant may have custom accounting software that requires up-to-date information about the settlement status of all credit card transactions every day.

This document describes how developers can query our reporting engine directly to retrieve transaction reports in a machine readable format. Once the data has been retrieved, it can then be parsed and imported into a variety of software applications.

### Communication

The communication protocol used to send messages to the Payment Gateway is through the HTTP protocol over an SSL connection (HTTPS). The format you must use is name/value pairs delimited by ampersand.

URL: <https://secure.planetauthorizegateway.com/api/query.php>

Example Query String: `username=username&password=password&transaction_id=123456789`

You may use either GET or POST to pass your request to the Query API. The name/value pairs that are accepted by the Payment Gateway can be found in the 'Variables' section of this API.

The Query API can be tested with live credentials or a dedicated test account only. Please contact your Merchant Service Provider for more information.

The Query API will respond in Universal Time Coordinated (UTC).

## Variables

### Query

Variable Name	Description(Allowed Values)[Format]
username*	Merchant username.
password*	Merchant password.
condition	A combination of values listed below can be passed and should be separated by commas. For example, to retrieve all transactions pending settlement or complete, the following could be used:  Example: <code>condition=pendingsettlement,complete</code> pending: 'Auth Only' transactions that are awaiting capture.

pendingsettlement: This transaction is awaiting settlement.

failed: This transaction has failed.

canceled: This transaction has been voided.

complete: This transaction has settled.

unknown: An unknown error was encountered while processing this transaction.

transaction\_type

Retrieves only transactions with the specified transaction type. Use one of the following to specify payment type:

cc: A credit card transaction.

ck: A check transaction.

Retrieves only transactions specified action types. A combination of the values can be used and should be separated by commas. For example, to retrieve all transactions with credit or refund actions, use the following:

Example: action\_type=refund,credit

sale: Sale transactions.

refund: Refund transactions.

credit: Credit transactions.

auth: 'Auth Only' transactions.

capture: Captured transactions.

void: Voided transactions.

return: Electronic Check (ACH) transactions that have returned before (return) or after settlement (late\_return).

action\_type

transaction\_id

Specify a transaction ID or a comma separated list of transaction IDs to retrieve information on.

order\_id

Retrieves only transactions with the specified Order ID.

last\_name

Retrieves only transactions with the specified last name.

email

Retrieves only transactions with the specified billing email address.

cc\_number

Retrieves only transactions with the specified credit card number. You can use either the full number or the last 4 digits of the credit card number.

merchant\_defined\_field\_#

Retrieves only transactions with the specified merchant defined field value.

Replace the '#' with a field number (1-20) (Example: merchant\_defined\_field\_12=value)

start\_date

Only transactions that have been modified on or after this date will be retrieved. Note that any actions performed on a transaction will cause the modified date to be updated.

Format: YYYYMMDDhhmmss

end_date	<p>Only transactions that have been modified on or before this date will be retrieved. Note that any actions performed on a transaction will cause the modified date to be updated.</p> <p>Format: YYYYMMDDhhmmss</p>
report_type	<p>Allows customer vault information or a html receipt to be returned. If you would like to query the Customer Vault to view what customer information is stored in the Customer Vault, you must set the customer_vault variable.</p> <p>If you omit the customer_vault_id, the system will return all customers that are stored in the vault. If you include a customer_vault_id, it will return the customer record associated with that ID.</p> <p>Example: report_type=customer_vault&amp;customer_vault_id=123456789</p> <p>receipt: Will return an html receipt for a specified transaction id.</p> <p>customer_vault: Set the Query API to return Customer Vault data.</p>
mobile_device_license	<p>Retrieves only transactions processed using the specified mobile device. The device IDs for this parameter are available in the License Manager. Use 'any_mobile' to retrieve all mobile transactions.</p> <p>A combination of the values can be used and should be separated by commas. Can not be used with 'mobile_device_nickname'.</p> <p>Example 1: mobile_device_license=D91AC56A-4242-3131-2323-2AE4AA6DB6EB</p> <p>Example 2: mobile_device_license=any_mobile</p>
mobile_device_nickname	<p>Retrieves only transactions processed using mobile devices with the specified nickname.</p> <p>The nicknames for this parameter are available in the License Manager. Can not be used with 'mobile_device_license'.</p> <p>Example (URL encoded): mobile_device_nickname=Jim's%20iPhone</p>
customer_vault_id	<p>Set a specific Customer Vault record. Should only be used when report_type=customer_vault.</p>

## Sample Response Query

```

<nm_response>
  <transaction>
    <transaction_id>2612675976</transaction_id>
    <partial_payment_id></partial_payment_id>
    <partial_payment_balance></partial_payment_balance>
    <platform_id></platform_id>
    <transaction_type>cc</transaction_type>
    <condition>complete</condition>
    <order_id>1234567890</order_id>
    <authorization_code>123456</authorization_code>
    <ponumber></ponumber>
    <order_description></order_description>
    <first_name>John</first_name>
    <last_name>Smith</last_name>
  
```

<address\_1>123 Main St</address\_1>  
<address\_2>Apt B</address\_2>  
<company></company>  
<city>New York City</city>  
<state>NY</state>  
<postal\_code>10001</postal\_code>  
<country>US</country>  
<email>johnsmith@example.com</email>  
<phone>1234567890</phone>  
<fax></fax>  
<cell\_phone></cell\_phone>  
<customertaxid></customertaxid>  
<customerid></customerid>  
<website></website>  
<shipping\_first\_name></shipping\_first\_name>  
<shipping\_last\_name></shipping\_last\_name>  
<shipping\_address\_1></shipping\_address\_1>  
<shipping\_address\_2></shipping\_address\_2>  
<shipping\_company></shipping\_company>  
<shipping\_city></shipping\_city>  
<shipping\_state></shipping\_state>  
<shipping\_postal\_code></shipping\_postal\_code>  
<shipping\_country></shipping\_country>  
<shipping\_email></shipping\_email>  
<shipping\_carrier></shipping\_carrier>  
<tracking\_number></tracking\_number>  
<shipping\_date></shipping\_date>  
<shipping>1.00</shipping>  
<shipping\_phone></shipping\_phone>  
<cc\_number>4xxxxxxxxxxx1111</cc\_number>  
<cc\_hash>f6c609e195d9d4c185dcc8ca662f0180</cc\_hash>  
<cc\_exp>1215</cc\_exp>  
<cavv></cavv>  
<cavv\_result></cavv\_result>  
<xid></xid>  
<avs\_response>N</avs\_response>  
<csc\_response>M</csc\_response>  
<cardholder\_auth></cardholder\_auth>  
<cc\_start\_date></cc\_start\_date>  
<cc\_issue\_number></cc\_issue\_number>  
<check\_account></check\_account>  
<check\_hash></check\_hash>  
<check\_aba></check\_aba>  
<check\_name></check\_name>  
<account\_holder\_type></account\_holder\_type>  
<account\_type></account\_type>  
<sec\_code></sec\_code>  
<drivers\_license\_number></drivers\_license\_number>  
<drivers\_license\_state></drivers\_license\_state>  
<drivers\_license\_dob></drivers\_license\_dob>  
<social\_security\_number></social\_security\_number>  
<processor\_id>processora</processor\_id>  
<tax>1.00</tax>  
<currency>USD</currency>  
<surcharge></surcharge>  
<tip></tip>  
<card\_balance></card\_balance>  
<card\_available\_balance></card\_available\_balance>  
<entry\_mode>Keyed</entry\_mode>

```
        <cc_bin>411111</cc_bin>
<product>
  <sku>RS-100</sku>
  <quantity>1.0000</quantity>
  <description>Red Shirt</description>
  <amount>10.0000</amount>
</product>
<action>
  <amount>11.00</amount>
  <action_type>sale</action_type>
  <date>20150312215205</date>
  <success>1</success>
  <ip_address>1.1.1.1</ip_address>
  <source>virtual_terminal</source>
  <username>demo</username>
  <response_text>SUCCESS</response_text>
  <batch_id>0</batch_id>
  <processor_batch_id></processor_batch_id>
  <response_code>100</response_code>
  <processor_response_text>NO MATCH</processor_response_text>
  <processor_response_code>00</processor_response_code>
  <requested_amount>11.00</requested_amount>
  <device_license_number></device_license_number>
  <device_nickname></device_nickname>
</action>
<action>
  <amount>11.00</amount>
  <action_type>level3</action_type>
  <date>20150312215205</date>
  <success>1</success>
  <ip_address>1.1.1.1</ip_address>
  <source>virtual_terminal</source>
  <username>demo</username>
  <response_text></response_text>
  <batch_id>0</batch_id>
  <processor_batch_id></processor_batch_id>
  <response_code>100</response_code>
  <processor_response_text></processor_response_text>
  <processor_response_code></processor_response_code>
  <device_license_number></device_license_number>
  <device_nickname></device_nickname>
</action>
<action>
  <amount>11.00</amount>
  <action_type>settle</action_type>
  <date>20150313171503</date>
  <success>1</success>
  <ip_address></ip_address>
  <source>internal</source>
  <username></username>
  <response_text>ACCEPTED</response_text>
  <batch_id>76158269</batch_id>
  <processor_batch_id>782</processor_batch_id>
  <response_code>100</response_code>
  <processor_response_text></processor_response_text>
  <processor_response_code>000000000021980</processor_response_code>
  <device_license_number></device_license_number>
  <device_nickname></device_nickname>
</action>
```

```
</transaction>  
</nm_response>
```