Methodology Three-Step

Method Overview

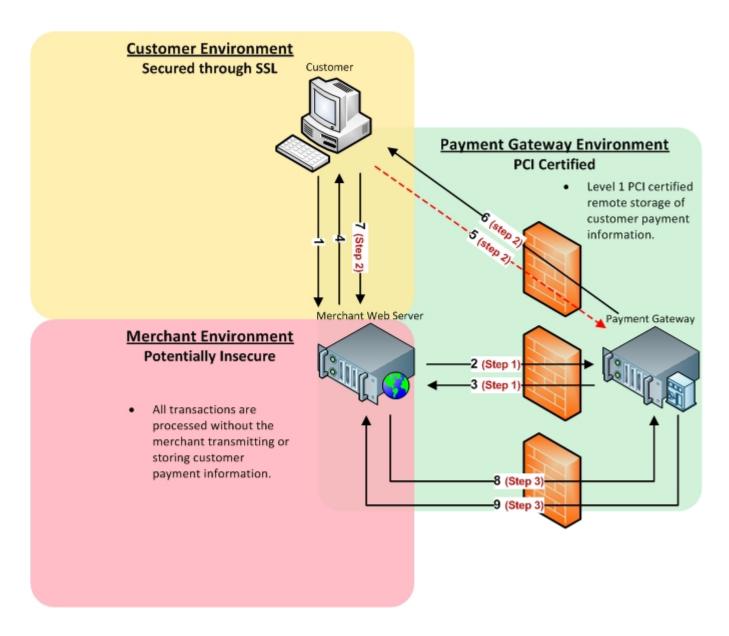
- **Step One:** Submit all transaction details to the Payment Gateway except the customer's sensitive payment information. The Payment Gateway will return a variable **form-url**.
- **Step Two:** Create an HTML form that collects the customer's sensitive payment information and use the **form-url** that the Payment Gateway returns as the submit action in that form.
- **Step Three:** Once the customer has been redirected, obtain the **token-id** and complete the transaction through an HTTPS POST including the **token-id** which abstracts the sensitive payment information that was collected directly by the Payment Gateway.

Detailed Explanation

To start step one, your payment application will submit a behind-the-scenes HTTPS direct POST that includes transaction variables, including an additional variable **redirect-url**, which is a URL that must exist on your web server that handles a future browser redirect. Sensitive payment information such as **cc-number**, **cc-exp**, and **cvv** cannot be submitted during step one. The Payment Gateway will generate and return the form-url variable containing a unique URL to be used in Step 2.

Next, during step two, you must develop an HTML form that collects at least the customer's sensitive payment information such as **cc-number**, **cc-exp**, and **cvv**. You must use the **form-url** obtained in step one as the action in the HTML of your payment form. When the customer submits the form, the customer's browser will transparently POST the contents of the payment form directly to the Payment Gateway. This methodology keeps your web server and payment application from seeing or transmitting any credit card data or other sensitive data. Once the Payment Gateway has collected the customer's sensitive payment details, the customer's browser will be instructed to return to the **redirect-url** on your web server. Furthermore, the Payment Gateway will generate and append a unique variable named **token-id** to the **redirect-url** in the GET query string. This **token-id** is an abstraction of the customer's sensitive payment information that the Payment Gateway collected. Your **redirect-url** script must parse the **token-id** for use in step three.

To complete the transaction, you will submit another behind-the-scenes HTTPS direct POST including only the **token-id** and **api-key**. This **token-id** is used to "tie" together the initial customer information with the sensitive payment information that the payment gateway collected directly.



Step One Three-Step: Transactions

Sale/Auth/Credit/Validate/Offline XML Request

XML Element	Description
<sale auth credit validate offline></sale auth credit validate offline>	Type of transaction to perform.
api-key*	api-key is obtained in the security keys section of the control panel settings.
redirect-url*	A URL on your web server that the gateway will redirect your customer to after sensitive data collection.
amount*	Total amount to be charged (For "validate" actions, amount must be 0.00 or omitted).
authorization-code**	Specify authorization code. For use with "offline" action only.

Cardholder's IP address. ip-address

billing-number

billing-total

sec-code

Format: xxx.xxx.xxx.xxx

Specify industry classification of transaction. industry

Values: 'ecommerce', 'moto', or 'retail'

Set additional billing indicators. billing-method

Values: 'recurring' or 'installment'

Specify installment billing number, on supported processors. For use

when "billing-method" is set to installment.

Values: 0-99

Specify installment billing total on supported processors. For use

when "billing-method" is set to installment.

If using multiple processors, route to specified processor. Obtained processor-id

under Settings->Load Balancing in the merchant control panel.

ACH standard entry class codes.

Values: 'PPD', 'WEB', 'TEL', 'CCD', 'POP', or 'ARC'

Set payment descriptor on supported processors. descriptor

descriptor-phone Set payment descriptor phone on supported processors. descriptor-address Set payment descriptor address on supported processors.

descriptor-city Set payment descriptor city on supported processors. descriptor-state Set payment descriptor state on supported processors.

Set payment descriptor postal code on supported processors. descriptor-postal descriptor-country Set payment descriptor country on supported processors. descriptor-mcc Set payment descriptor mcc on supported processors.

Set payment descriptor merchant id on supported processors. descriptor-merchant-id

descriptor-url Set payment descriptor url on supported processors.

Set transaction currency. currency

Format: ISO 4217 order-description Order description.

Customer identification. customer-id

Load customer details from an existing customer vault record. If set, customer-vault-id

no payment information is required during step two.

merchant-receipt-email Send merchant receipt to email

Send receipt if billing email included. customer-receipt

Values: 'true' or 'false'

Merchant specified custom fields. merchant-defined-field-#

Format: merchant_defined_field_1=Value

tracking-number Shipping tracking number.

Shipping carrier.

shipping-carrier Values: 'ups', 'fedex', 'dhl', or 'usps'

Order id. order-id***

Cardholder's purchase order number. po-number***

The sales tax included in the transaction amount associated with the

purchase. Setting tax equal to '-1' indicates an order that is exempt

from sales tax. Default: '0.00' Format: x.xx

shipping-amount***

Total shipping amount.

tax-amount***

duty-amount

discount-amount

vat-tax-amount

vat-tax-rate

eci†

cavv†

xid†

ship-from-postal****

Postal/ZIP code of the address from where purchased goods are being

shipped. Defaults to merchant profile postal code.

summary-commodity-code****

A code representing the type of commodity being purchased. The

acquirer or processor will provide a list of current codes.

Amount included in the transaction amount associated with the import

of the purchased goods.

Default: '0.00'

Amount included in the transaction amount of any discount applied to

the complete order by the merchant.

Default: '0.00'

national-tax-amount

The national tax amount included in the transaction amount.

Default: '0.00'

Second tax amount included in the transaction amount in countries alternate-tax-amount where more than one type of tax can be applied to the purchases.

Default: '0.00'

alternate-tax-id Tax identification number of the merchant that reported the alternate

tax amount.

Contains the amount of any value added taxes which can be

associated with the purchased item.

Default: '0.00'

Contains the tax rate used to calculate the sales tax amount appearing.

Can contain up to 2 decimal places, ie 1% = 1.00.

Default: '0.00'

vat-invoice-reference-number Invoice number that is associated with the VAT invoice.

customer-vat-registration Value added tax registration number supplied by the cardholder.

merchant-vat-registration Government assigned tax identification number of the merchant from

whom the goods or services were purchased.

order-date Purchase order date. Defaults to the date of the transaction.

Format: YYMMDD

cardholder-auth† Set 3D Secure condition.

Values: 'verified' or 'attempted'

E-commerce indicator.

Values: '2', '5', or '7'

Cardholder authentication verification value.

Format: base64 encoded

Cardholder authentication transaction id.

Format: base64 encoded

dup-seconds‡ Override duplicate transaction detection time in seconds.

The transaction is rejected if the address verification result is a code in

this list. Values are letters obtained under Settings->Address

Verification in the control panel.

Format: x|x|x|x...

The transaction is rejected if the card ID verification result is a code in

this list. Values are letters obtained under Settings->Card ID

Verification in the control panel.

Format: x|x|x|x...

 The customer's billing information

billing-id Specify billing id. Recommended when using customer vault hybrid

action. Will be ignored if no hybrid add/update-customer is done.

first-name Cardholder's first name. last-name Cardholder's last name.

address1 Cardholder's billing address.

city Card billing city.

state Card billing state/province.

Format: CC

postal Card billing postal code.

Card billing country code.

Format: CC/ISO 3166

phone Billing phone number.
email Billing email address.
company Cardholder's company.

address2 Card billing address, line 2.

fax Billing fax number.

account-type§

The customer's ACH account type.

Values: 'checking' or 'savings'

entity-type§

The customer's ACH account entity.

Values: 'personal' or 'business'

</billing>

phone

country

avs-reject‡

cvv-reject‡

<shipping> The customer's shipping information.

shipping-id Specify shipping id. Recommended when using customer vault hybrid

action. Will be ignored if no hybrid add/update-customer is done.

first-name Shipping first name.

last-name Shipping last name.

address1 Shipping billing address.

city Shipping city.

state Shipping state/province.

Format: CC

postal**** Shipping postal code.

Shipping country code.

country****
Format: CC/ISO 3166

Shipping phone number.

email Shipping email address.

Shipping company. company address2 Shipping address, line 2. Shipping fax number. fax

</shipping>

unit-of-measure****

quantity****

tax-amount****

cproduct> Product line item detail. Multiple product elements are allowed. Merchant defined description code of the item being purchased. product-code****

description**** Description of the item(s) being supplied.

International description code of the individual good or service being commodity-code**** supplied. The acquirer or processor will provide a list of current codes.

Code for units of measurement as used in international trade.

Default: 'EACH'

unit-cost**** Unit cost of item purchased. May contain up to 4 decimal places.

Quantity of the item(s) being purchased.

Default: '1'

Purchase amount associated with the item. Default to 'unit-cost' x total-amount****

'quantity' rounded to the nearest penny.

Amount of tax on specific item. Amount should not be included in

item-total-amount. Default: '0.00'

Percentage representing the value-added tax applied. 1% = 1.00. tax-rate***

Default: '0.00'

Discount amount which can have been applied by the merchant on the sale of the specific item. Amount should not be included in 'item-totaldiscount-amount

amount'.

Discount rate for the line item. 1% = 1.00. discount-rate

Default: '0.00'

Type of value-added taxes that are being used. tax-type

Tax identification number of the merchant that reported the alternate alternate-tax-id

tax amount.

</product>

Perform a simultaneous 'hybrid' recurring action while processing a <add-subscription>

transaction.

The first day that the customer will be charged. Format: start-date

YYYYMMDD

<plan>

amount

plan-id The unique plan ID that references only this recurring plan.

The number of payments before the recurring plan is complete. payments

Note: Use '0' for 'until canceled'

The plan amount to be charged each billing cycle.

Format: x.xx

How often, in days, to charge the customer. Cannot be set with 'monthday-frequency

frequency' or 'day-of-month'.

How often, in months, to charge the customer. Cannot be set with 'daymonth-frequency

frequency'. Must be set with 'day-of-month'.

Values: 1 through 24

The day that the customer will be charged. Cannot be set with 'day-

frequency'. Must be set with 'month-frequency'.

Values: 1 through 31 - for months without 29, 30, or 31 days, the

charge will be on the last day

</plan>

day-of-month

</add-subscription>

Perform a simultaneous 'hybrid' customer vault action while <add-customer|update-customer>

processing a transaction. This tag can be blank if submitting an 'add-

customer' without specifying a 'customer-vault-id'.

Specify customer vault id. If omitted, will be auto-generated and

returned in response. Required for 'update-customer'.

customer-vault-id

</add-customer|update-customer> </sale|auth|credit|validate|offline>

Always required

** Required for offline transactions

Required for Level 2 and Level 3 transactions

**** Required for Level 3 transactions

† Required for 3D-Secure transactions

Required for Override transactions

§ Required for ACH transactions

Sale/Auth/Credit/Validate/Offline XML Response

XML Element Description

<response>

1=Approved

2=Declined result

3=Error in transaction data or system error

Textual response. result-text

transaction-id Payment Gateway transaction id.

result-code Numeric mapping of processor responses (See Appendix 3).

form-url URL used as the action of the HTML form in step two.

</response>

Step Two

Three-Step: Transactions

HTML Form Fields Request

HTML Form Fields Description

billing-cc-number* Credit card number.

billing-cc-exp* Credit card expiration.
Format: MMYY

billing-account-name**

The name on the customer's ACH Account.

billing-account-number**

The customer's bank account number.

The customer's bank routing number.

billing-cvv Card security code.

billing-track-1***
Raw magnetic stripe data, track 1.
billing-track-2***
Raw magnetic stripe data, track 2.
billing-track-3***
Raw magnetic stripe data, track 3.

billing-magnesafe-track-1***

billing-magnesafe-track-2***

billing-magnesafe-track-3***

Raw MagTek Magensa encrypted reader data.

billing-magnesafe-magneprintstatus***

Raw MagTek Magensa encrypted reader data.

billing-social-security-number

Customer's social security number, checked against bad check writers
database if check verification is enabled.

billing-drivers-license-number Driver's license number, checked against bad check writers' database if

**** check verification is enabled.
billing-drivers-license-dob**** Driver's license date of birth.

billing-drivers-license-state****

Customer's driver's license state.

Format: CC

billing-micr† Physical check's Magnetic ink strip, on supported check processors. For use

with 'POP' or 'ARC' sec-code.

billing-account-type

The customer's ACH account type.
Values: 'checking' or 'savings'

billing-entity-type

The customer's ACH account entity.
Values: 'personal' or 'business'

billing-first-name Cardholder's first name. Overwrites value if passed during step one.

Cardholder's last name. Overwrites value if passed during step one..

Cardholder's billing address. Overwrites value if passed during step one.

billing-city Card billing city. Overwrites value if passed during step one.

billing-state Card billing state/province. Overwrites value if passed during step one.

Card billing postal code. Overwrites value if passed during step one.

billing-country Card billing country code. Overwrites value if passed during step one.

Billing-phone Billing phone number. Overwrites value if passed during step one.

Billing-email Billing email address. Overwrites value if passed during step one.

Cardholder's company. Overwrites value if passed during step one.

billing-address2 Card billing address, line 2. Overwrites value if passed during step one.

billing-fax
Billing fax number. Overwrites value if passed during step one.
Shipping-first-name
Shipping-last-name
Shipping last name. Overwrites value if passed during step one.
Shipping-address1
Shipping address. Overwrites value if passed during step one.

shipping-city Shipping city. Overwrites value if passed during step one.

shipping-state Shipping state/province. Overwrites value if passed during step one. Shipping postal code. Overwrites value if passed during step one. shipping-postal Shipping country code. Overwrites value if passed during step one. shipping-country shipping-phone Shipping phone number. Overwrites value if passed during step one. Shipping email address. Overwrites value if passed during step one. shipping-email Shipping company. Overwrites value if passed during step one. shipping-company shipping-address2 Shipping address, line 2. Overwrites value if passed during step one. shipping-fax Shipping fax number. Overwrites value if passed during step one.

- * Required for keyed credit card transactions.
- ** Required for ACH transactions.
- *** Used for retail transactions. Variables used dependent on swipe device.
- **** Required for check verification.
- † Required for check scanning.

HTML Form Fields Response

Once the Payment Gateway has collected the customer's sensitive payment details, the customer's browser will immediately be redirected back to the **redirect-url** on your web server. A variable named **token-id** will be appended to the **redirect-url** in the GET query string as described below:

https://redirect-url/?token-id=[token]

Step Three Three-Step: Transactions

Complete Transaction XML Request

XML Element Description

<complete-action>

api-key* api-key is obtained in the security keys section of the control panel settings.

token-id* Customer payment token returned during step two.

</complete-action>

* Required

Complete Transaction XML Response

XML Element **Description**

<response>

1=Transaction Approved

result 2=Transaction Declined

3=Error in transaction data or system error

result-text Textual response.

transaction-id Payment Gateway transaction ID

result-code Numeric mapping of processor responses. (See Appendix 3)

authorization-code Transaction authorization code.

AVS response code. (See Appendix 1) avs-result cvv-result CVV response code. (See Appendix 2)

Action type that was initially specified.

action-type Values: 'sale', 'auth', 'credit', 'validate', or 'offline'

Total amount charged.

amount

Format: x.xx

Cardholder's IP address. ip-address Format: xxx.xxx.xxx.xxx

Industry classification of transaction. industry

Values: 'ecommerce', 'moto', or 'retail'

Billing indicators used.

billing-method Values: 'recurring' or 'installment'

Processor transaction was made through. processor-id

ACH standard entry class codes. sec-code

Values: 'PPD', 'WEB', 'TEL', 'CCD', 'POP', or \ARC'

descriptor Payment descriptor.

descriptor-phone Payment descriptor phone.

descriptor-address Set payment descriptor address on supported processors. descriptor-city Set payment descriptor city on supported processors.

descriptor-state Set payment descriptor state on supported processors.

descriptor-postal Set payment descriptor postal code on supported processors. descriptor-country Set payment descriptor country on supported processors.

descriptor-mcc Set payment descriptor mcc on supported processors.

descriptor-merchant-id Set payment descriptor merchant id on supported processors.

Set payment descriptor url on supported processors. descriptor-url

currency Transaction currency used. (Table 1.b)

Order description. order-description

customer-id Customer identification.

Customer vault id used or created during action. customer-vault-id

merchant-receipt-email Merchant receipt email.

Customer email receipt sent. customer-receipt

Values: 'true' or 'false'

merchant-defined-

Merchant specified custom fields.

field-#

Format: merchant defined field 1=Value

tracking-number

Shipping tracking number.

shipping-carrier

Shipping carrier.

Values: 'ups', 'fedex', 'dhl', or 'usps'

order-id

Order id.

po-number

Cardholder's purchase order number.

tax-amount

The sales tax included in the transaction amount associated with the purchase.

Format: x.xx

shipping-amount

Total shipping amount.

Format: x.xx

ship-from-postal

Postal/ZIP code of the address from where purchased goods are being shipped.

summary-commodity-

code

A code representing the type of commodity being purchased. The acquirer or processor

will provide a list of current codes.

Amount included in the transaction amount associated with the import of the purchased

duty-amount

goods.

Format: x.xx

Amount included in the transaction amount of any discount applied to the complete

discount-amount

order by the merchant.

Format: x.xx

national-tax-amount

The national tax amount included in the transaction amount.

Format: x.xx

Second tax amount included in the transaction amount in countries where more than

one type of tax can be applied to the purchases.

alternate-tax-amount

Default: '0.00'

Format: x.xx

alternate-tax-id

Tax identification number of the merchant that reported the alternate tax amount.

Contains the amount of any value added taxes which can be associated with the

vat-tax-amount

purchased item.

Format: x.xx

Contains the tax rate used to calculate the sales tax amount appearing. Can contain up

vat-tax-rate

to 2 decimal places, ie 1% = 1.00.

Format: x.xx

vat-invoice-reference-

number

Invoice number that is associated with the VAT invoice.

customer-vat-

Value added tax registration number supplied by the cardholder.

registration merchant-vat-

registration

order-date

Government assigned tax identification number of the merchant from whom the goods

or services were purchased.

Purchase order date.

Format: YYMMDD

3D Secure condition. cardholder-auth

Values: 'verified' or 'attempted'

E-commerce indicator.

Values: '2', '5', or '7'

Cardholder authentication verification value.

cavv Format: base64 encoded

xid Cardholder authentication transaction id.

Format: base64 encoded

dup-seconds Override duplicate transaction detection checking in seconds.

avs-reject Values are letters obtained under Settings->Address Verification in the control panel. vvv-reject Values are letters obtained under Settings->Card ID Verification in the control panel.

 <billing> The customer's billing information

billing-id Billing id used or created for this action.

first-name Cardholder's first name.
last-name Cardholder's last name.
address1 Cardholder's billing address.

city Card billing city.

state Card billing state/province.

Format: CC

country

cc-number

routing-number

postal Card billing postal code.

Card billing country code.

Format: CC/ISO 3166

phone Billing phone number.
email Billing email address.
company Cardholder's company.
address2 Card billing address, line 2.

fax Billing fax number.

social-security-number Customer's social security number

drivers-license-number Driver's license number.

drivers-license-dob Driver's license date of birth.

drivers-license-state

Customer's driver's license state.

Format: CC

Masked credit card number.

Format: XXXXXXX******XXXX

Credit card expiration

cc-exp Format: MMYY

account-name The name on the customer's bank account.

Masked bank account number.

Format: X****XXXX

Masked bank routing number.

Format: X****XXXX

The customer's ACH account type.

Values: 'checking' or 'savings'

The customer's ACH account entity.

entity-type Values: 'personal' or 'business'

Billing id priority.

priority Format: Numeric, 1-255

</billing>

<shipping> The customer's shipping information.

Shipping id used or created for this action. Recommended when using customer vault shipping-id

hybrid action; will be ignored if no hybrid add/update-customer is done.

first-name Shipping first name. last-name Shipping last name.

address1 Shipping billing address.

city Shipping city.

Shipping state/province. state

Format: CC

postal Shipping postal code.

Shipping country code.

Format: CC/ISO 3166

Shipping phone number. phone email Shipping email address. company Shipping company.

address2 Shipping address, line 2. fax Shipping fax number.

Shipping id priority. priority

Format: Numeric, 1-255

</shipping>

total-amount

tax-rate

country

cproduct> Product line item detail. Multiple product elements are allowed. product-code Merchant defined description code of the item being purchased.

description Description of the item(s) being supplied.

International description code of the individual good or service being supplied. The commodity-code

acquirer or processor will provide a list of current codes.

Code for unites of measurement as used in international trade. unit-of-measure unit-cost Unit cost of item purchased. May contain up to 4 decimal places.

quantity Quantity of the item(s) being purchased.

Purchase amount associated with the item.

Format: x.xx

Amount of tax on specific item. Amount should not be included in item-total-amount. tax-amount

Format: x.xx

Percentage representing the value-added tax applied. 1% = 1.00.

Format: x.xx

Discount amount which can have been applied by the merchant on the sale of the

specific item. discount-amount

Format: x.xx

Discount rate for the line item, 1% = 1.00

discount-rate

Format: x.xx

Type of value-added taxes that are being used. tax-type

alternate-tax-id Tax identification number of the merchant that reported the alternate tax amount.

</product>

</response>

Additional Operations Three-Step: Transactions

Capture XML Request

Element Description

<capture>

api-key* api-key is obtained in the security keys section of the control panel settings.

transaction-id* Original Payment Gateway transaction id.

amount Total amount to be settled, this amount may be equal to or less than the authorized

amount.

merchant-defined-field-# Format: merchant_defined_field_1=Value

tracking-number Shipping tracking number.

shipping-carrier used.

Values: 'ups', 'fedex', 'dhl', or 'usps'

order-id Order ID.

</capture>

* Required

Void XML Request

Element Description

<void>

api-key* api-key is obtained in the security keys section of the control panel settings.

transaction-id* Original Payment Gateway transaction id. merchant-defined-field-# Format: merchant_defined_field_1=Value

</void>

* Required

Refund XML Request

Element Description

<refund>

api-key* api-key is obtained in the security keys section of the control panel settings.

transaction-id* Original Payment Gateway transaction id.

amount Total amount to be settled, this amount may be equal to or less than the authorized

amount.

merchant-defined-field-# Format: merchant_defined_field_1=Value

Update XML Request

Element Description

<update>

api-key* api-key is obtained in the security keys section of the control panel settings.

transaction-id* Original Payment Gateway transaction id. merchant-defined-field-# Format: merchant_defined_field_1=Value

tracking-number Shipping tracking number.

Shipping carrier used.

shipping-carrier Values: 'ups', 'fedex', 'dhl', or 'usps'

order-id Order ID.

</update>
* Required

Step One Three Step: Cust

Three-Step: Customer Vault

Add/Update Customer XML Request

XML Element Description

<add-customer|update-

customer>

Type of transaction to perform.

api-key* api-key is obtained in the security keys section of the control panel settings.

redirect-url* A URL on your web server that the gateway will redirect your customer to after

sensitive data collection.

customer-vault-id Load customer details from an existing customer vault record. If set, no payment

information is required during step two.

merchant-defined-field-#

Merchant specified custom fields.

Format: merchant defined field 1=Value

 The customer's billing information

billing-id Specify billing id. Required for 'update-customer' if multiple billing-ids exist,

optional for 'add-billing'.

first-name Cardholder's first name.

last-name Cardholder's last name.

Cardholder's hilling address.

address1 Cardholder's billing address.

city Card billing city.

Card billing state/province.

state Format: CC

postal Card billing postal code.

Card billing country code.

Format: CC/ISO 3166

phone Billing phone number.
email Billing email address.
company Cardholder's company.
address2 Card billing address, line 2.

fax Billing fax number.

account-type

The customer's ACH account type.

Values: 'checking' or 'savings'

entity-type

The customer's ACH account entity.

Values: 'personal' or 'business'

priority Specify priority (If omitted, will be auto-generated and returned in response).

Format: Numeric, 1-255

</billing>

country

<shipping> The customer's shipping information.

shipping-id Specify shipping id (Required for update-customer if multiple shipping-ids exist.

Optional for add-billing).

first-name Shipping first name. last-name Shipping last name.

address1 Shipping billing address.

city Shipping city.

state Shipping state/province.

Format: CC

postal Shipping postal code.

country

Shipping country code.
Format: CC/ISO 3166

phone
Shipping phone number.
Shipping email address.

company Shipping company.

address2 Shipping address, line 2. Shipping fax number.

priority Specify priority, if omitted, will be auto-generated and returned in response.

Format: Numeric, 1-255

</shipping>

</add-customer|update-customer>

* Required

XML Response

XML Element Description

<response>

1=Approved

2=Declined result

3=Error in transaction data or system error

result-text Textual response.

result-code Numeric mapping of processor responses. (See Appendix 3)

form-url URL used as the action of the HTML form in step two.

</response>

Step Two

Three-Step: Customer Vault

HTML Form Fields Request

HTMI Form Fields

III WILL FORIII FIEIUS		Description
billing-cc-number*	Credit card number.	
1.111	Credit card expiration.	

billing-cc-exp* Format: MMYY

The name on the customer's ACH Account. billing-account-name** The customer's bank account number. billing-account-number** billing-routing-number** The customer's bank routing number.

billing-cvv Card security code.

billing-track-1*** Raw magnetic stripe data, track 1. billing-track-2*** Raw magnetic stripe data, track 2. billing-track-3*** Raw magnetic stripe data, track 3.

billing-magnesafe-track-1*** Raw MagTek Magensa encrypted reader data. billing-magnesafe-track-2*** Raw MagTek Magensa encrypted reader data. billing-magnesafe-track-3*** Raw MagTek Magensa encrypted reader data. billing-magnesafe-ksn*** Raw MagTek Magensa encrypted reader data.

billing-magnesafe-magneprint-

Raw MagTek Magensa encrypted reader data. status***

Customer's social security number (Checked against bad check writers billing-social-security-number

Decemintion

database if check verification is enabled).

Driver's license number (Checked against bad check writers database if billing-drivers-license-number check verification is enabled).

Driver's license date of birth. billing-drivers-license-dob****

Customer's driver's license state. billing-drivers-license-state****

Format: CC

Physical check's Magnetic ink strip (On supported check processors. For use billing-micr†

with POP/ARC sec-code).

The customer's ACH account type. billing-account-type Values: 'checking' or 'savings'

billing-entity-type

The customer's ACH account entity.

Values: 'personal' or 'business'

billing-first-name Cardholder's first name, overwrites value if passed during step one.

Cardholder's last name, overwrites value if passed during step one.

Cardholder's billing address, overwrites value if passed during step one.

billing-city Card billing city, overwrites value if passed during step one.

billing-state Card billing state/province, overwrites value if passed during step one.

Format: CC

billing-postal Card billing postal code, overwrites value if passed during step one.

billing-country

Card billing country code, overwrites value if passed during step one.

Format: CC/ISO 3166

billing-phone Billing phone number, overwrites value if passed during step one.

billing-email Billing email address, overwrites value if passed during step one.

Cardholder's company, overwrites value if passed during step one.

Card billing address, line 2, overwrites value if passed during step one.

billing-fax
Billing fax number, overwrites value if passed during step one.
Shipping-first-name
Shipping-last-name
Shipping last name, overwrites value if passed during step one.
Shipping-address1
Shipping address, overwrites value if passed during step one.

shipping-city Shipping city, overwrites value if passed during step one.

shipping-state Shipping state/province, overwrites value if passed during step one.

Format: CC

shipping-postal Shipping postal code, overwrites value if passed during step one.

shipping-country Shipping country code, overwrites value if passed during step one.

Format: CC/ISO 3166

shipping-phone Shipping phone number, overwrites value if passed during step one.
Shipping-email Shipping email address, overwrites value if passed during step one.
Shipping-company Shipping company, overwrites value if passed during step one.
Shipping-address2 Shipping address, line 2, overwrites value if passed during step one.
Shipping-fax Shipping fax number, overwrites value if passed during step one.

* Required for keyed credit card transactions.

** Required for ACH transactions.

*** Used for retail transactions. Variables used dependent on swipe device.

**** Required for check verification.

† Required for check scanning.

HTML Form Fields Response

Once the Payment Gateway has collected the customer's sensitive payment details, the customer's browser will immediately be redirected back to the **redirect-url** on your web server. A variable named **token-id** will be appended to the **redirect-url** in the GET query string as described below:

Step Three Three-Step: Customer Vault

Complete Action XML Request

XML Element Description

<complete-action>

api-key* api-key is obtained in the security keys section of the control panel settings.

token-id* Customer payment token returned during step two.

</complete-action>

* Required

Complete Action XML Response

XML Element Description

<response>

state

1=Transaction Approved

2=Transaction Declined result

3=Error in transaction data or system error

result-text Textual response.

result-code Numeric mapping of processor responses. (See Appendix 3)

Action type that was initially specified.

action-type Values: 'sale', 'auth', 'credit', 'validate', or 'offline'

customer-vault-id Customer vault id used or created during action.

merchant-defined-field-# ___ Merchant specified custom fields.

Format: merchant_defined_field_1=Value

dilling> The customer's billing information.

billing-id Billing id used or created for this action.

first-name Cardholder's first name. Cardholder's last name. last-name address1 Cardholder's billing address.

city Card billing city.

Card billing state/province.

Format: CC

Card billing postal code. postal

Card billing country code.

country Format: CC/ISO 3166

phone Billing phone number.

email Billing email address. company Cardholder's company. address2 Card billing address, line 2.

fax Billing fax number.

social-security-number Customer's social security number

drivers-license-number Driver's license number.

drivers-license-dob Driver's license date of birth.

drivers-license-state

Customer's driver's license state.

Format: CC

Masked credit card number.

cc-number Format: XXXXXX*****XXXX

Credit card expiration.

cc-exp Format: MMYY

account-name The name on the customer's bank account.

Masked bank account number.

account-number Format: X****XXXX

Masked bank routing number.

Format: X****XXXX

The customer's ACH account type.

Values: 'checking' or 'savings'

entity-type

The customer's ACH account entity.

Values: 'personal' or 'business'

Billing id priority.

priority Format: Numeric, 1-255

</billing>

state

country

routing-number

<shipping> The customer's shipping information.
shipping-id
Shipping id used or created during action.

first-name Shipping first name. last-name Shipping last name.

address1 Shipping billing address.

city Shipping city.

Shipping state/province.

Format: CC

postal Shipping postal code.

Shipping country code.

Format: CC/ISO 3166

phone Shipping phone number.
email Shipping email address.
company Shipping company.

address2 Shipping address, line 2.

fax Shipping fax number.

Shipping id priority.

priority Format: Numeric, 1-255

</shipping>

Additional Operations Three-Step: Customer Vault

Add/Update Billing Request (Step 1)

XML Element Description

<add-billing|update-billing> Type of transaction to perform.

api-key* api-key is obtained in the security keys section of the control panel settings.

redirect-url* A URL on your web server that the gateway will redirect your customer to after

sensitive data collection.

customer-vault-id*

Load customer details from an existing customer vault record. If set, no payment

information is required during step two.

 The customer's billing information

billing-id Specify billing id. Required for update-customer if multiple billing ids exist,

optional for add-billing.

first-name Cardholder's first name.
last-name Cardholder's last name.
address1 Cardholder's billing address.

city Card billing city.

state Card billing state/province.

Format: CC

postal Card billing postal code.

Card billing country code. Format: CC/ISO 3166

Billing phone number.

email Billing email address.

company Cardholder's company.

address2 Card billing address, line 2.

fax Billing fax number.

The customer's ACH account type.

Values: 'checking' or 'savings'

The customer's ACH account entity.

entity-type Values: 'personal' or 'business'

Specify priority (If omitted, will be auto-generated and returned in response.)

Format: Numeric, 1-255

</billing>

priority

account-type

country

phone

</add-billing|update-billing>

* Required

Customer Vault initiated Sale/Auth/Credit/Offline XML Request

Element Description

<sale|auth|credit|offline> Any and all optional fields described here can be appended to this request.

api-key* api-key is obtained in the security keys section of the control panel settings.

Total amount to be charged.

Format: x.xx

If using multiple MIDs, route to this processor. The values for 'processorprocessor-id

id' are obtained under 'Settings'->'Load Balancing' in the Control Panel.

Load Customer details from an existing Customer Vault record. customer-vault-id*

The customer's billing information.
billing>

Load Billing ID details from an existing Billing record. If not set, the billing-id

billing-id with the highest priority will be used by default.

</billing>

amount*

<shipping> The customer's shipping information.

Load shipping id details from an existing shipping record. If unset, the shipping-id

billing-id with the highest priority will be used by default.

</shipping>

</sale|auth|credit|offline>

Delete Customer XML Request

Element Description

<delete-customer>

api-key is obtained in the security keys section of the control panel settings. api-key*

customer-vault-id

Specify customer to be deleted.

</delete-customer>

* Required

Delete Billing XML Request

Element Description

<delete-billing>

api-key* api-key is obtained in the security keys section of the control panel settings.

Load customer details from an existing customer vault record. If set, no payment

customer-vault-id* information is required during step two.

dilling>

billing-id* Specify billing id to delete.

</billing>

</delete-billing>

^{*} Required

Add/Update/Delete Shipping XML Request

These requests can be made the by replacing the billing section with shipping

Step One Three-Step: Recurring

Add Subscription to an Existing Plan

Element	Description		
<add-subscription></add-subscription>	Associate payment information with a recurring plan.		
api-key*	api-key is obtained in the Security Keys section of the Control Panel Settings.		
redirect-url*	A URL on your web server that the gateway will redirect your customer to after sensitive data collection.		
customer-vault-id	Load customer details from an existing customer vault record. If set, no payment information is required during step two.		
start-date	The first day that the customer will be charged. Format: YYYYMMDD		
order-id	Order id.		
po-number	Cardholder's purchase order number.		
order-description	Order description.		
currency	Set transaction currency. Format: ISO 4217		
tax-amount	The sales tax included in the transaction amount associated with the purchase. Setting tax equal to '-1' indicates an order that is exampt from sales tax. Default: 0.00' Format: x.xx		
shipping-amount	Total shipping amount.		
merchant-defined-field-#	Merchant specified custom fields.		
<plan></plan>			
plan-id*	The unique plan ID that references only this recurring plan.		
 <billing></billing>	The customer's billing information		
billing-id	Specify billing id. Recommended when using customer vault hybrid action. Will be ignored if no hybrid add/update-customer is done.		

city Card billing city.

Cardholder's first name.

Cardholder's last name.

Cardholder's billing address.

first-name

last-name

address1

Card billing state/province.

state Format: CC

postal Card billing postal code.

Card billing country code.

country

Format: CC/ISO 3166

phone Billing phone number. email Billing email address. Cardholder's company. company address2 Card billing address, line 2.

fax Billing fax number.

The customer's ACH account type. account-type**

Values: 'checking' or 'savings'

The customer's ACH account entity.

entity-type** Values: 'personal' or 'business'

</billing>

<shipping> The customer's shipping information.

Specify shipping id. Recommended when using customer vault hybrid action. Will shipping-id

be ignored if no hybrid add/update-customer is done.

first-name Shipping first name. last-name Shipping last name. address1 Shipping address. city Shipping city.

Shipping state/province. state

Format: CC

Shipping postal code. postal

Shipping country code. country Format: CC/ISO 3166 phone Shipping phone number.

email Shipping email address. company Shipping company.

address2 Shipping address, line 2. fax Shipping fax number.

</shipping>

* Always required

Add Subscription to a Custom Plan

Element Description <add-subscription> Associate payment information with a recurring plan. api-key* api-key is obtained in the Security Keys section of the Control Panel Settings. A URL on your web server that the gateway will redirect your customer to after redirect-url* sensitive data collection.

^{**} Required for ACH transactions

customer-vault-id Load customer details from an existing customer vault record. If set, no payment

information is required during step two.

The first day that the customer will be charged.

start-date Format: YYYYMMDD

order-id Order id.

po-number Cardholder's purchase order number.

order-description Order description.

Set transaction currency.

currency Format: ISO 4217

The sales tax included in the transaction amount associated with the purchase.

Setting tax equal to '-1' indicates an order that is exampt from sales tax.

tax-amount Default: '0.00'

Format: x.xx

shipping-amount Total shipping amount.

merchant-defined-field-# Merchant specified custom fields.

<plan>

payments*

The number of payments before the recurring plan is complete.

Notes: '0' for until canceled

amount* The plan amount to be charged each billing cycle.

Format: x.xx

day-frequency***

How often, in days, to charge the customer. Cannot be set with 'month-frequency' or

'day-of-month'.

How often, in months, to charge the customer. Cannot be set with 'day-frequency'.

month-frequency**** Must be set with 'day-of-month'.

Values: 1 through 24

The day that the customer will be charged. Cannot be set with 'day-frequency'. Must

be set with 'month-frequency'.

day-of-month****

Values: 1 through 31 - for months without 29, 30, or 31 days, the charge will be on

the last day

</plan>

phone

The customer's biling information

billing-id Specify billing id. Recommended when using customer vault hybrid action. Will be

ignored if no hybrid add/update-customer is done.

first-name Cardholder's first name. last-name Cardholder's last name.

address1 Cardholder's billing address.

city Card billing city.

state Card billing state/province.

Format: CC

postal Card billing postal code.

Card billing country code.

country Format: CC/ISO 3166

Billing phone number.

email Billing email address.

company Cardholder's company. address2 Card billing address, line 2.

fax Billing fax number.

The customer's ACH account type. account-type**

Values: 'checking' or 'savings'

The customer's ACH account entity. entity-type**

Values: 'personal' or 'business'

</billing>

<shipping> The customer's shipping information.

Specify shipping id. Recommended when using customer vault hybrid action. Will shipping-id

be ignored if no hybrid add/update-customer is done.

first-name Shipping first name. last-name Shipping last name. address1 Shipping address. city Shipping city.

Shipping state/province. state

Format: CC

postal Shipping postal code.

Shipping country code.

Format: CC/ISO 3166

phone Shipping phone number. email Shipping email address.

Shipping company. company address2 Shipping address, line 2.

fax Shipping fax number.

</shipping>

country

Always required

** Required for ACH transactions

Element

Required unless 'month-frequency' and 'day-of-month' is set.

**** Required unless 'day-frequency' is set.

Update Subscription Information

Description <update-subscription> Update Customer's information for a subscription. api-key is obtained in the Security Keys section of the Control Panel Settings. api-key* A URL on your web server that the gateway will redirect your customer to after redirect-url* sensitive data collection.

subscription-id* The subscription that will be updated.

order-id Order id.

Cardholder's purchase order number. po-number

order-description Order description.

Set transaction currency. currency

Format: ISO 4217

merchant-defined-field-# Merchant specified custom fields.
dilling> The customer's billing information

Cardholder's first name. first-name last-name Cardholder's last name.

Cardholder's billing address. address1

city Card billing city.

Card billing state/province. state

Format: CC

Card billing postal code. postal

Card billing country code.

country Format: CC/ISO 3166

phone Billing phone number. Billing email address. email Cardholder's company. company address2 Card billing address, line 2.

Billing fax number. fax

The customer's ACH account type. account-type**

Values: 'checking' or 'savings'

The customer's ACH account entity.

Values: 'personal' or 'business'

</billing>

entity-type**

<shipping> The customer's shipping information.

first-name Shipping first name. last-name Shipping last name. address1 Shipping address. city Shipping city.

Shipping state/province.

state Format: CC

Shipping postal code. postal

Shipping country code.

country Format: CC/ISO 3166

phone Shipping phone number. email Shipping email address.

Shipping company. company

address2 Shipping address, line 2. fax Shipping fax number.

</shipping>

Always Required.

** Required for ACH subscriptions.

Step Two Three-Step: Recurring

HTML Form Fields Request

billing-state

HTML Form Fields	Description		
billing-cc-number*	Credit card number.		
billing-cc-exp*	Credit card expiration. Format: MMYY		
billing-account-name**	The name on the customer's ACH Account.		
billing-account-number**	The customer's bank account number.		
billing-routing-number**	The customer's bank routing number.		
billing-cvv	Card security code.		
billing-track-1***	Raw magnetic stripe data, track 1.		
billing-track-2***	Raw magnetic stripe data, track 2.		
billing-track-3***	Raw magnetic stripe data, track 3.		
billing-magnesafe-track-1***	Raw MagTek Magensa encrypted reader data.		
billing-magnesafe-track-2***	Raw MagTek Magensa encrypted reader data.		
billing-magnesafe-track-3***	Raw MagTek Magensa encrypted reader data.		
billing-magnesafe-ksn***	Raw MagTek Magensa encrypted reader data.		
billing-magnesafe-magneprint- status***	Raw MagTek Magensa encrypted reader data.		
billing-social-security-number ****	Customer's social security number, checked against bad check writers database if check verification is enabled.		
billing-drivers-license-number ****	Drivers license number, checked against bad check writers database if check verification is enabled.		
billing-drivers-license-dob****	Drivers license date of birth.		
billing-drivers-license-state***	Customer's drivers license state. Format: CC		
billing-micr†	Physical check's Magnetic ink strip, on supported check processors. For use with 'POP' or 'ARC' sec-code.		
billing-account-type	The customer's ACH account type. Values: 'checking' or 'savings'		
billing-entity-type	The customer's ACH account entity. Values: 'personal' or 'business'		
billing-first-name	Cardholder's first name. Overwrites value if passed during step one.		
billing-last-name	Cardholder's last name. Overwrites value if passed during step one.		
billing-address1	Cardholder's billing address. Overwrites value if passed during step one.		
billing-city	Card billing city. Overwrites value if passed during step one.		

Card billing state/province. Overwrites value if passed during step one.

billing-postal Card billing postal code. Overwrites value if passed during step one.

Card billing country code. Overwrites value if passed during step one.

Billing phone number. Overwrites value if passed during step one.

Billing-email Billing email address. Overwrites value if passed during step one.

Cardholder's company. Overwrites value if passed during step one.

Card billing-address value if passed during step one.

Card billing address, line 2. Overwrites value if passed during step one.

billing-fax

Billing fax number. Overwrites value if passed during step one.

Shipping-first-name

Shipping last name. Overwrites value if passed during step one.

Shipping-last-name

Shipping address. Overwrites value if passed during step one.

Shipping-address one.

Shipping city. Overwrites value if passed during step one.

shipping-state Shipping state/province. Overwrites value if passed during step one. shipping-postal Shipping postal code. Overwrites value if passed during step one. Shipping country code. Overwrites value if passed during step one. shipping-country shipping-phone Shipping phone number. Overwrites value if passed during step one. Shipping email address. Overwrites value if passed during step one. shipping-email shipping-company Shipping company. Overwrites value if passed during step one. shipping-address2 Shipping address, line 2. Overwrites value if passed during step one. shipping-fax Shipping fax number. Overwrites value if passed during step one.

- * Required for keyed credit card transactions.
- ** Required for ACH transactions.
- *** Used for retail transactions. Variables used dependant on swipe device.
- **** Required for check verification.
- † Required for check scanning.

HTML Form Fields Response

Once the Payment Gateway has collected the customer's sensitive payment details, the customer's browser will immediately be redirected back to the **redirect-url** on your web server. A variable named **token-id** will be appended to the **redirect-url** in the GET query string as described below:

https://redirect-url/?token-id=[token]

Step Three Three-Step: Recurring

Complete Action XML Request

XML Element

Description

<complete-action>

api-key* api-key is obtained in the security keys section of the control panel settings.

token-id* Customer payment token returned during step two.

</complete-action>

Complete Action XML Response

XML Element Description

response

1=Transaction Approved

result 2=Transction Declined

3=Error in transaction data or system error

result-text Textual response.

result-code Numeric mapping of processor responses. (See Appendix 3)

action-type Action type that was initially specified.

subscription-id Subscription ID used or created during action.

merchant-defined-field-# Merchant specified custom fields.

<plan>

amount

payments

The number of payments before the recurring plan is complete.

Notes: '0' for until canceled

The plan amount to be charged each billing cycle.

Format: x.xx

name The display name of the plan.

plan-id The plan ID that is associated with this subscription.

day-frequency How often, in days, to charge the customer. Cannot be set with 'month-frequency' or

'day-of-month'.

How often, in months, to charge the customer. Cannot be set with 'day-frequency'.

month-frequency Must be set with 'day-of-month'.

Values: 1 through 24

The day that the customer will be charged. Cannot be set with 'day-frequency'. Must

be set with 'month-frequency'.

day-of-month

Values: 1 through 31 - for months without 29, 30, or 31 days, the charge will be on

the last day

</plan>

billing-id Billing id used or created for this action.

first-name Cardholder's first name.
last-name Cardholder's last name.
address1 Cardholder's billing address.

city Card billing city.

Card billing state/province.

state Format: CC

postal Card billing postal code.

^{*} Required

country Card billing country code.

Format: CC/ISO 3166

phone Billing phone number. email Billing email address.

company Cardholder's company.

address2 Card billing address, line 2.

fax Billing fax number.

social-security-number Customer's social security number

drivers-license-number Drivers license number.

drivers-license-dob Drivers license date of birth.

Customer's drivers license state.

drivers-license-state
Format: CC

Masked credit card number.

cc-number

Format: XXXXXX******XXXX

Credit card expiration.

cc-exp Format: MMYY

account-name The name on the customer's bank account.

account-number Masked bank account number.

Format: X****XXXX

routing-number Masked bank routing number.

Format: X****XXXX

account-type The customer's ACH account type.

Values: 'checking' or 'savings'

entity-type

The customer's ACH account entity.

Values: 'personal' or 'business'

Billing id priority.

priority Format: Numeric, 1-255

</billing>

state

country

phone

<shipping> The customer's shipping information.

shipping-id Shipping id used or created during action.

first-name Shipping first name.

last-name Shipping last name. address1 Shipping address.

city Shipping city.

Shipping state/province.

Format: CC

postal Shipping postal code.

Shipping country code.

Format: CC/ISO 3166

Shipping phone number.

email Shipping email address.

company Shipping company.

address2 Shipping address, line 2.

fax Shipping fax number.

Shipping id priority.

priority Format: Numeric, 1-255

</shipping> </response>

Additional Operations Three-Step: Recurring

Add Plan XML Request

Element	Description		
<add-plan></add-plan>	Add a recurring plan that subscriptions can be added to in the future.		
api-key*	api-key is obtained in the Security Keys section of the Control Panel Settings.		
<plan></plan>			
payments*	The number of payments before the recurring plan is complete. Notes: '0' for until canceled		
amount*	The plan amount to be charged each billing cycle. Format: x.xx		
name*	The display name of the plan.		
plan-id*	The unique plan ID that references only this recurring plan.		
day-frequency**	How often, in days, to charge the customer. Cannot be set with 'month-frequency' or 'day-of-month'.		
month-frequency***	How often, in months, to charge the customer. Cannot be set with 'day-frequency'. Must be set with 'day-of-month'. Values: 1 through 24		
day-of-month***	The day that the customer will be charged. Cannot be set with 'day-frequency'. Must be set with 'month-frequency'. Values: 1 through 31 - for months without 29, 30, or 31 days, the charge will be on the last day		

</plan>

</add-plan>

- Always required
- Required unless 'month-frequency' and 'day-of-month' is set.
- *** Required unless 'day-frequency' is set.

Delete a Subscription

Element Description

<delete-subscription> Delete the subscription. Customer will no longer be charged.

api-key* api-key is obtained in the Security Keys section of the Control Panel Settings.

subscription-id* The subscription ID that will be deleted.

Testing Information Three-Step

Transaction Testing Credentials

Transactions can be tested using one of two methods. First, transactions can be submitted to any merchant account that is in test mode. Keep in mind that if an account is in test mode, all valid credit cards will be approved but no charges will actually be processed.

The Payment Gateway demo account can also be used for testing at any time. Please use the following api-key for testing with this account:

api-key: 2F822Rw39fx762MaV7Yy86jXGTC7sCDy

Transaction POST URL

In step one and step three, transaction details should be POST'ed using XML to the following URL:

POST URL https://secure.payscout.com/api/v2/three-step

Test Data

Transactions can be submitted using the following information:

Credit Card Expiration: 10/25

account (ACH): 123123123 routing (ACH): 123123123

amount 1.00 (Amounts under 1.00 generate failure).

Triggering Errors in Test Mode

- To cause a declined message, pass an amount less than 1.00.
- To trigger a fatal error message, pass an invalid card number.
- To simulate an AVS match, pass 888 in the address1 field, 77777 for zip.
- To simulate a CVV match, pass 999 in the cvv field.

^{*} Always required

Appendix 1 Three-Step

AVS Response Codes

- X Exact match, 9-character numeric ZIP
- Y Exact match, 5-character numeric ZIP
- D Exact match, 5-character numeric ZIP
- M Exact match, 5-character numeric ZIP
- A Address match only
- B Address match only
- W 9-character numeric ZIP match only
- Z 5-character ZIP match only
- P 5-character ZIP match only
- L 5-character ZIP match only
- N No address or ZIP match only
- C No address or ZIP match only
- U Address unavailable
- G Non-U.S. issuer does not participate
- I Non-U.S. issuer does not participate
- R Issuer system unavailable
- E Not a mail/phone order
- S Service not supported
- O AVS not available
- B AVS not available

Appendix 2 Three-Step

CVV Response Codes

- M CVV2/CVC2 match
- N CVV2/CVC2 no match
- P Not processed
- S Merchant has indicated that CVV2/CVC2 is not present on card
- U Issuer is not certified and/or has not provided Visa encryption keys

Appendix 3 Three-Step

Result Code Table

100	Transaction	was	approved
100	Transaction	w as	approved.

- 200 Transaction was declined by processor.
- 201 Do not honor.
- 202 Insufficient funds.
- 203 Over limit.
- 204 Transaction not allowed.
- 220 Incorrect payment information.
- 221 No such card issuer.
- 222 No card number on file with issuer.
- 223 Expired card.
- 224 Invalid expiration date.
- 225 Invalid card security code.
- 240 Call issuer for further information.
- 250 Pick up card.
- 251 Lost card.
- 252 Stolen card.
- 253 Fraudulent card.
- 260 Declined with further instructions available. (See response text)
- 261 Declined-Stop all recurring payments.
- 262 Declined-Stop this recurring program.
- 263 Declined-Update cardholder data available.
- 264 Declined-Retry in a few days.
- 300 Transaction was rejected by gateway.
- 400 Transaction error returned by processor.
- 410 Invalid merchant configuration.
- 411 Merchant account is inactive.
- 420 Communication error.
- 421 Communication error with issuer.
- 430 Duplicate transaction at processor.
- 440 Processor format error.
- 441 Invalid transaction information.
- 460 Processor feature not available.
- 461 Unsupported card type.