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Ruby Client Library

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What is Venmo Touch?

Reduce friction by eliminating credit card forms.

Sandbox with Ruby

Credit Card Numbers ¶

The sandbox environment only accepts test credit card numbers. The following card numbers may be used.

Visa ¶

- 4111 1111 1111 1111
- 4005 5192 0000 0004
- 4009 3488 8888 1881
- 4012 0000 3333 0026
- 4012 0000 7777 7777
- 4012 8888 8888 1881
- 4217 6511 1111 1119
- 4500 6000 0000 0061

MasterCard ¶

- 5555 5555 5555 4444

American Express ¶

- 3782 822463 10005
- 3714 496353 98431

Discover ¶

- 6011 1111 1111 1117

JCB ¶

- 3530 1113 3330 0000

Test Amounts for Unsuccessful Transactions ¶

When working with transactions, you can pass specific amounts to simulate different responses from the gateway.

- Amounts between \$0.01 - \$1999.99 will simulate a successful authorization.
- Amounts between \$2000.00 - \$2062.99 and \$3000.00 - \$3000.99 will decline with the coordinating [Processor Response](#).
- Amounts between \$2063.00 - \$2999.99 will simulate the generic decline message "Processor Declined" with a decline code equal to the amount.
- Amounts \$3001.00 and greater will also simulate a successful authorization.

Unsuccessful Verification ¶

When working with the Credit Card or Customer API, use the following credit card numbers to



simulate an unsuccessful [card verification](#).

Note: These numbers only simulate unsuccessful verifications due to processor declines when performing operations on Vault records, they will not simulate unsuccessful transactions. For unsuccessful transactions, use the [test amounts](#) in the section above.

- 4000 1111 1111 1115 (Visa)
- 5105 1051 0510 5100 (MasterCard)
- 3787 344936 71000 (American Express)
- 6011 0009 9013 9424 (Discover)

Use the following credit card number to simulate a verification failure, status = failed (3000).

- 3566 0020 2036 0505 (JCB)

Note: Prior to version 2.5.0, we accepted a different Visa number (422222222222). If you are using this number, please migrate to the number above.

CVV Responses ¶

The CVV response will be based on the CVV value.

CVV Value	CVV Response Code
200	N (does not match)
201	U (not verified)
301	S (issuer does not participate)
blank	I (not provided)
anything else	M (matches)

AVS Responses ¶

AVS responses are based on the value provided for street address and postal code.

AVS Error Response Codes ¶

Billing Postal Code	AVS Error Response Code
30000	E (AVS system error)
30001	S (issuing bank does not support AVS)
anything else	blank

AVS Postal Code Response Codes ¶

Billing Postal Code	AVS Postal Code Response Code
20000	N (does not match)
20001	U (not verified)
blank	I (not provided)
anything else	M (matches)

AVS Street Address Response Codes ¶

Billing Street Address	AVS Street Address Response Code
starts with 200	N (does not match)
starts with 201	U (not verified)
blank	I (not provided)
anything else	M (matches)

Webhook Testing ¶

The client library can generate sample webhook notifications for testing. This functionality is not restricted to use in the sandbox environment, but may be helpful when building your integration. Please see our [webhook testing](#) documentation for details.

Test Values for Merchant Accounts ¶

Sub Merchant Approval ¶

To trigger a SubMerchantAccountApproved [confirmation webhook](#), provide the following constant as the first name of the Sub Merchant:

```
result = MerchantAccount.create(
  :individual => {
    :first_name => Braintree::Test::MerchantAccount::Approve,
    . . .
  }
)
```

Sub Merchant Decline ¶

To trigger a SubMerchantAccountDeclined [confirmation webhook](#), provide an error code for the first name of the Sub Merchant. You will receive the provided error in the webhook.

For example, this would trigger the “Applicant declined due to OFAC.” error:

```
result = MerchantAccount.create(
  :individual => {
    :first_name => Braintree::ErrorCodes::MerchantAccount::ApplicantDetails::
    . . .
  }
)
```

See [merchant account validations](#) for a list of errors.

Valid Routing Numbers ¶

Routing numbers must pass a checksum, much like credit card numbers. The following routing numbers are valid, and can be used in sandbox:

- 071101307
- 071000013

Purge Sandbox Data ¶

Sandbox data can be purged in the control panel. When you log into the control panel you will see a purge sandbox data link under the account dropdown menu.

Card Type Information ¶

The following card numbers can be used to simulate various [types of cards](#).

- 4500 6000 0000 0061 (prepaid)
- 4009 0400 0000 0009 (commercial)
- 4005 5192 0000 0004 (Durbin regulated)
- 4012 0000 3333 0026 (healthcare)
- 4012 0000 3333 0125 (debit)
- 4012 0000 3333 0224 (payroll)
- 4012 0000 3333 0323 (unknown)
- 4012 0000 3333 0422 (all above values will be negative)

Other Card Information¶

- 4012 0000 3333 0620 (country of issuance)
- 4012 0000 3333 0521 (issuing bank)

Fraud Information¶

The following card number can be used to trigger a fraud response in Sandbox.

- 4000 1111 1111 1511 (transaction status: gateway_rejected and gateway rejection reason: fraud)


Disbursement Exceptions¶

For use by Marketplace merchants only. To trigger a disbursement exception webhook, first [create a merchant account](#) with one of the following constants as its ID:

```
Braintree::Test::MerchantAccount::InsufficientFundsContactUs  
Braintree::Test::MerchantAccount::AccountNotAuthorizedContactUs  
Braintree::Test::MerchantAccount::BankRejectedUpdateFundingInformation  
Braintree::Test::MerchantAccount::BankRejectedNone
```

Each ID correlates with a combination of exception_message and follow_up_action.

You will then receive a disbursement exception webhook within 24 hours whenever you [create a transaction](#) using that merchant account.

 **Select your country**

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United States

We'll be in more countries soon, [get notified](#).

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