



PAYMENTSITE

Simulator Triggers

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Revision History

Date	Version	Changes
10/22/2019	1.0	Initial creation of document

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1 The Paymentsite Simulator

Paymentsite permits integrators to test their integration in a number of ways. This is achieved in the Integration environment by configuring an account to use the Paymentsite Simulator. This application produces responses to requests that “simulate” processor responses.

The Paymentsite Simulator also permits negative testing through the use of triggering values. This is especially useful for an integrator once the coding is considered done. By testing with these negative cases, the integrator can ensure the code is able to handle declines and errors.

The Paymentsite Simulator is coded to perform negative test cases only if one of a set of card numbers is used in the request. This is to ensure that test cases are triggered only when explicitly desired.

Note: A prior version of the simulator was triggered to decline on negative cent values, and did not offer much other functionality.

To use the cases described here, use one of the card numbers listed in conjunction with the transaction cent value, CVV value or Address value.

These cards and values will elicit the corresponding responses regardless of the method of transaction submission – they work with the API, the Hosted Payment Page, the Virtual Terminal and the Consumer Portal

2 Card Numbers for Triggers

The card numbers in the table below will trigger special response behavior.

If any card number is used that is not one of the special card numbers, the simulator will approve the transaction request.

2.1 Special Card Numbers For Triggering Specific Responses

Card Type	Number
Visa	4761 7390 0101 0119
MasterCard	5413 3300 8960 4111
American Express	3742 450017 51006
Discover	6510 0000 0000 0133

3 Simulator Responses for Amounts - Auths

If one of the Special Card Numbers is used in a transaction request, the following AMOUNTS for transactions will produce the corresponding statuses and responses.

Note the following:

- 1) The dollar amount does not affect the outcome, only the cent amount of the transaction matters. A transaction for \$0.01 and a transaction for \$112.01 will elicit the same result.
- 2) These responses are examples of processor and gateway responses. Actual processor responses will vary.
- 3) Any value listed in the table as [null] represents an empty value.

This table applies to: Sale, Auth, Credit

3.1 Amounts and Responses for Authorizations

Transaction Amount	Test Case	Response Code	Processor Message	Processor Code
\$ X.00	Approved	0	Approved authorization / transaction	00
\$ X.01	Card declined	1	CALL	01
\$ X.02	Card declined	1	CALL	02
\$ X.03	No reply	1	NO REPLY	28
\$ X.04	No reply	1	NO REPLY	91
\$ X.05	Hold-Call	1	Pick up	04
\$ X.06	Hold-Call	1	HOLD-CALL	07
\$ X.07	Hold-Call	1	HOLD-CALL	41
\$ X.09	Verification Error	1	ACCT LENGTH ERR	EA
\$ X.10	Already Reversed at Switch	1	ALREADY REVERSED	79
\$ X.11	Invalid amount	1	AMOUNT ERROR	13
\$ X.14	Card Number Error	1	CARD NUM ERROR	14

Transaction Amount	Test Case	Response Code	Processor Message	Processor Code
\$ X.15	CVV data is not correct	1	INCORRECT CVV	82
\$ X.16	Cash back service not available	1	CASHBACK NOT AVL	N3
\$ X.17	Verification Error (Check Digit Err)	1	CHECK DIGIT ERR	EB
\$ X.18	Verification Error (CID Format Error)	1	CID FORMAT ERROR	EC
\$ X.19	Invalid date	1	NO IMPACT	80
\$ X.27	Cryptographic error	1	ENCRYPTION ERROR	81
\$ X.28	General error	1	ERROR	06
\$ X.29	Expired card	1	Invalid Expiry Date	54
\$ X.31	Invalid transaction	1	INVALID TRANS	12
\$ X.32	No account	1	NO ACCOUNT	78
\$ X.37	No credit account	1	NO CREDIT ACCT	39
\$ X.39	No such issuer	1	NO SUCH ISSUER	15
\$ X.41	Re-enter transaction	1	RE ENTER	19
\$ X.43	Transaction not permitted-Card	1	SERV NOT ALLOWED	57
\$ X.44	Transaction not permitted-Terminal	1	SERV NOT ALLOWED	58

Transaction Amount	Test Case	Response Code	Processor Message	Processor Code
\$ X.45	System malfunction	1	SYSTEM ERROR	96
\$ X.46	Invalid Merchant ID	1	TERM ID ERROR	03
\$ X.48	CVV2 Value supplied is invalid	1	CVV2 MISMATCH	N7
\$ X.72	Unknown	1	SEE RSPNS CODE	T3
\$ X.80	Paymentsite internal error	2048	[null]	[null]
\$ X.81	Paymentsite Communication error	4096	Connection error connecting to processor	[null]
\$ X.85	Paymentsite Time Out (no response back to you) for 70 seconds	0	APPROVED	00
\$ X.90	Partial Approval <ul style="list-style-type: none"> Applies to Auth Only and Sale 	0	APPROVED	00
All Other Amounts	Approved	0	Approved authorization / transaction	00

4 Simulator Responses for Amounts – Secondary Transactions

If one of the Special Card Numbers is used in an authorization transaction request, the following AMOUNTS for transactions should APPROVE when authorized, but respond with the specified result for follow-on transactions. An Auth Only for 22.61 would approve, but the void of that transaction would decline.

This table applies to: Capture, Return, Void

4.1 Amounts and Responses for Secondary Transactions

Transaction Amount	Response Code	Response Message	Error Message	Processor Message
\$ X.60	00	{Varies}		APPROVAL
\$ X.61	01	DECLINED		NOT COMPLETED
\$ X.62	1024	INVALID REQUEST	{Varies, for example: "The Authorization is captured, settled, pending capture, or pending review"}	[null]
All Others	00	{Varies}		APPROVAL

5 Simulator responses for CVV values

If one of the Special Card Numbers is used in an authorization transaction request together with one of the following CVVs, the Simulator will respond with the corresponding CVV responses to Sale and Auth Only transaction types.

5.1 CVV Value Triggers

CVV2 Value	Result	CVV Response Code	Processor Code
111	CVV2 Match	M	00
222	CVV2 No Match*	N	N7
333	Not Processed	P	00

444	AVS Not Supported	S	00
555	Issuer is not certified or has not provided Visa encryption keys	U	00

6 Simulator responses for Address Verification (AVS)

If one of the Special Card Numbers is used in an authorization transaction request together with one of the following Billing postal codes the Simulator will response with the corresponding AVS result codes to Sale and Auth Only transaction types.

6.1 AVS Value Triggers

Address	Zip	avsResponseCode	Processor Code	Meaning
any	11111	A	00	5 Zip Match
any	33333	N	00	No Match
any	44444	R	00	System unavailable
any	55555	U	00	Address Info not Available
any	66666	Y	00	Address and Zip match
any	77777	Z	00	Zip code matches, address does not

7 Other Useful Test Cases

Integrators may also want to test their codes handling of other types of errors. Here are several examples that can be attempted by sending in data with certain values.

These cases are not specific to the simulator. These are real validation errors that apply to transactions.

7.1 Other Test Case Examples

How To Trigger	Test Case	Response Code	Response Message
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Submit Sale or Auth Only transaction with transaction amount to .0001	Paymentsite Invalid Request – bad transaction amount	1024	Transaction Amount is not a valid number in the range of 0.01 to 99999999999999.99
Submit Sale or Auth Only transaction with a credit card number of 4123456789012345	Paymentsite Invalid Request – invalid card number	1024	Credit Card Number is not a valid credit card number.