



API Integration Manual

1 Supported Protocols

The API currently supports the following interface protocols:

- HTTP POST

All data transmitted between the client and API is encrypted with SSL.

2 Transaction Types

The API supports the following transaction types:

- Preauthorization
- Authorization
- Capture
- Purchase
- Refund
- Reversal
- Query
- Cancel
- Modify

- **Multiple Currencies**

Transactions may be processed in multiple currencies. The **amount** specified for a transaction will be processed using the currency defined in the plan during merchant account setup. Only one type of currency may be processed on a plan at a time.

- **The following fields are required for ALL API requests:**

- ***account***
- ***account_username***
- ***account_password***

- **2.1 Preauthorization**

Confirms funds are available, but does not charge the card. Preauthorized amount can be modified with supplement transaction method (currently not supported).

NOTE: A capture of a preauthorization can be made up to 7 days following the original transaction request.

- **2.1.1 Preauthorization Fields**

The following fields are specific to the Preauthorization transaction method.

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Field	Value
<i>plan</i>	00057
<i>type</i>	preauthorization
<i>amount</i>	20.12
<i>first_name</i>	Wesley
<i>last_name</i>	Crusher
<i>street_address1</i>	1701 USS Enterprise Way
<i>street_address2</i>	Suite D
<i>city</i>	Beverly Hills
<i>state</i>	CA
<i>zip</i>	90210
<i>country</i>	US
<i>phone_number</i>	13334567891
<i>email_address</i>	test@email.com
<i>ip_address</i>	210.175.102.133
<i>card_number</i>	4111111111111111
<i>card_expiry_month</i>	09
<i>card_expiry_year</i>	2012
<i>card_cvv2</i>	446

- **2.2 Authorization**

Confirms funds are available on customer's credit card, but does not apply a charge.

NOTE: A capture of an authorization can be made up to 7 days following the original transaction request.

- **2.2.1 Authorization Fields**

The following fields are specific to the Authorization transaction method.

-

Field	Value
<i>plan</i>	00057
<i>type</i>	authorization
<i>amount</i>	20.12
<i>first_name</i>	Wesley
<i>last_name</i>	Crusher
<i>street_address1</i>	1701 USS Enterprise Way
<i>street_address2</i>	Suite D
<i>city</i>	Beverly Hills
<i>state</i>	CA
<i>zip</i>	90210
<i>country</i>	US
<i>phone_number</i>	13334567891
<i>email_address</i>	test@email.com
<i>ip_address</i>	210.175.102.133
<i>card_number</i>	4111111111111111
<i>card_expiry_month</i>	09
<i>card_expiry_year</i>	2012
<i>card_cvv2</i>	446

• 2.3 Capture

Settles the transaction with the amount specified on original transaction request.

NOTE: A capture of a preauthorization or authorization can be made up to 7 days following the original transaction request.

- **2.3.1 Capture Fields**

The following fields are specific to the Capture transaction method.

-

Field	Value
<i>type</i>	capture
<i>origin</i>	222238 [transaction_id]

• 2.4 Purchase

Combine authorization and capture transaction method into a single transaction.

- **2.4.1 Purchase Fields**

The following fields are specific to the Purchase transaction method.

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Field	Value
<i>plan</i>	00057
<i>type</i>	purchase
<i>amount</i>	20.12
<i>first_name</i>	Wesley
<i>last_name</i>	Crusher
<i>street_address1</i>	1701 USS Enterprise Way
<i>street_address2</i>	Suite D
<i>city</i>	Beverly Hills
<i>state</i>	CA
<i>zip</i>	90210
<i>country</i>	US
<i>phone_number</i>	13334567891
<i>email_address</i>	test@email.com
<i>ip_address</i>	210.175.102.133
<i>card_number</i>	4111111111111111
<i>card_expiry_month</i>	09
<i>card_expiry_year</i>	2012
<i>card_cvv2</i>	446

• 2.5 Refund

Refund a previously submitted transaction.

NOTE: A refund can only be performed on **captures** and **purchases** (settled transactions).

- **2.5.1 Refund Fields**

The following fields are specific to the Refund transaction method.

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Field	Value
<i>type</i>	refund
<i>origin</i>	875234 [transaction id]

• 2.6 Reversal

Reverse previously submitted transaction request.

NOTE: A reversal can be performed on any transaction type (a reversal may not be reversed).

- **2.6.1 Reversal Fields**

The following fields are specific to the Reversal transaction method.

-

Field	Value
<i>type</i>	reversal
<i>origin</i>	875234 [transaction id]

• 2.7 Query

Obtain current transaction status for selected transaction.

NOTE: A query can be requested to retrieve customer, subscription or transaction data dependent upon the fields passed. Any combination of the following may be sent for a query request:

- **2.7.1 Query Fields**

The following fields are specific to the Query transaction method.

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Field	Value
<i>type</i>	query
<i>origin</i>	2294563 [transaction id]
<i>customer</i>	8221 [customer id]
<i>subscription</i>	14423 [subscription id]

- **2.8 Cancel**

Cancel an existing customer's subscription service using the *subscription_id*

- **2.8.1 Cancel Fields**

The following fields are specific to the Cancel transaction method.

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Field	Value
<i>type</i>	cancel
<i>subscription</i>	14458 [subscription id]

- **2.9 Modify**

Confirms funds are available on customer's credit card, but does not apply a charge.

- **2.9.1 Modify Fields**

The following fields are specific to the Modify transaction method.

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Field	Value
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type cancel
subscription 14458 [subscription id]

3 API Responses

API Response specification

- **3.1 Response Codes**

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Code	Definition
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0	Declined: Transaction has been declined at processor level
1	Approved: Transaction has been approved at processor level
2	Pending: Transaction is currently being processed
3	Error: Transaction has been flagged with the internal gateway error system
4	Retry: Unable to receive response from processor. Transaction it will automatically retry, when applicable. Initial (first time) transactions should be manually retried.

- **3.2 Transaction response specification**

The following contains the specification for returned fields for transactions

- **3.2.1 Cancel**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	cancel
<i>code</i>	1
<i>message</i>	Subscription was successfully cancelled
<i>customer_id</i>	122748
<i>subscription_id</i>	32294

- **3.2.2 Rebill**

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Field	Value
<i>transaction_id</i>	544781
<i>type</i>	rebill
<i>code</i>	1
<i>message</i>	Purchase Successful
<i>amount</i>	13.37
<i>customer_id</i>	122748
<i>subscription_id</i>	32294

○ **3.2.3 Chargeback**

○

Field	Value
<i>transaction_id</i>	143488
<i>type</i>	chargeback
<i>code</i>	1
<i>message</i>	Transaction was charged back
<i>amount</i>	29.99
<i>customer_id</i>	122748
<i>origin_id</i>	1208002

○ **3.2.4 Authorization**

○

Field	Value
<i>transaction_id</i>	56221
<i>type</i>	authorization
<i>code</i>	1
<i>message</i>	Authorization successful
<i>amount</i>	13.37
<i>customer_id</i>	122748
<i>origin_id</i>	2207002

- **3.2.5 Preauthorization**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	preauthorization
<i>code</i>	1
<i>message</i>	Preauthorization successful
<i>amount</i>	33.49
<i>customer_id</i>	122748
<i>origin_id</i>	432294

- **3.2.6 Capture**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	Capture
<i>code</i>	1
<i>message</i>	Authorization was successfully captured
<i>amount</i>	19.81
<i>customer_id</i>	122748
<i>origin_id</i>	532294

- **3.2.7 Purchase**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	Purchase
<i>code</i>	1
<i>message</i>	Purchase successful
<i>customer_id</i>	122748
<i>subscription_id</i>	32294

- **3.2.8 Refund**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	Refund
<i>code</i>	1
<i>message</i>	Purchase was successfully refunded
<i>customer_id</i>	122748
<i>origin_id</i>	18922

- **3.2.9 Reversal**

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Field	Value
<i>transaction_id</i>	2376292
<i>type</i>	reversal
<i>code</i>	1
<i>message</i>	Transaction successfully reversed
<i>customer_id</i>	122748
<i>subscription_id</i>	32294