This document and the API that it describes are deprecated.

Authorize.Net's legacy name-value-pair API is still supported, however it will not be updated, except for critical security updates. To learn when this deprecated API will reach its end of life, and for information on upgrading to our latest API, read the Upgrade Guide. You can find the full Authorize.Net API documentation at our Developer Center.

PayPal Express Checkout Services

Using AIM

September 2017

Authorize.Net

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Authorize.Net Your Gateway to IP Transactions™

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Recent Revisions to This Document

Release	Changes
October 2016	Authorize.Net's API documentation is now presented in a rich web interface at http://developer.authorize.net/api/. PDF documentation is officially deprecated and will not be updated.
July 2015	Added a new URL to "Transaction Post Location," page 16.
April 2015	Added note to "Services," page 18, explaining that shipping and billing fields are submitted only if the addresses are different than the addresses in the user's PayPal profile. Added some prerequisite information to "Getting Started," page 10. Added new success and cancel URLs to the sample code for Authorization Only and Authorization and Capture functions. Added a note to Reason Response Code 2000 in "Response Reason Codes," page 40.
September 2014	Changed the term *Alternative Payments* to *Digital Payment Solutions* throughout the document.
July 2014	First release of this document.

About This Guide

Audience and Purpose

This guide is written for application developers who want to use the Advanced Integration Method (AIM) to integrate PayPal Express Checkout into their order management system and describes the steps necessary in order to do so.

Conventions

Note, Important, and Warning Statements

Note	A *Note* contains helpful suggestions or references to material not contained in the document.

Important	An *Important* statement contains information essential to successfully completing a task or learning a concept.

Warning	A *Warning* contains information or instructions, which, if not heeded, can result in a security risk, irreversible loss of data, or significant cost in time or revenue or both.

Text and Command Conventions

Convention	Usage
bold	■ Field and service names in text; for example: Include the **ics_applications** field. ■ Items that you are instructed to act upon; for example: Click **Save**.
italic	■ Filenames and pathnames. For example: Add the filter definition and mapping to your *web.xml* file. ■ Placeholder variables for which you supply particular values.
`monospace`	■ XML elements. ■ Code examples and samples. ■ Text that you enter in an API environment; for example: Set the **davService_run** field to `true`.

Related Documents

■ *Advanced Integration Method (AIM) Developer Guide* describes the full range of AIM services. (PDF | HTML)

Developer Support

The following resources can help you successfully integrate a merchant web site or other application to the Authorize.Net Payment Gateway.

■ The Developer Center provides sandbox accounts, sample code, FAQs, and troubleshooting tools.

■ Developer training videos cover a variety of topics.

■ The developer community provides answers to questions from other Authorize.Net developers.

■ Ask us a question at our Developer Support page.

■ Search our knowledge base for answers to commonly asked questions.

To submit suggestions for improving or correcting this guide, send email to documentation@authorize.net.

Getting Started

PayPal Express Checkout for Authorize.Net enables you to offer PayPal as a payment option to your customers by incorporating it within your existing AIM API implementation. PayPal Express Checkout is currently not enabled through the SIM or DPM APIs.

Note	PayPal Express Checkout is not supported by some resellers and is not offered in some countries. For more information, contact your reseller. PayPal Express Checkout does not support the full PayPal feature-set, including $0 authorizations. PayPal transactions are not subject to AFDS fraud filters, except the IP blacklist filter.

To use Express Checkout, you must have:

■   A Business or Premier PayPal account. A Business or Premier account enables you to become a merchant for whom PayPal collects money from buyers for goods or services. PayPal manages these transactions and charges you a small fee and a percentage of the amount collected from the buyer for each transaction.

■   A PayPal sandbox account with two test accounts. The PayPal sandbox provides an environment that simulates PayPal in which you execute your Express Checkout integration without actually exchanging money. One of your test accounts represents you as the merchant; the other test account represents a buyer. Your testing is not restricted to just two accounts; however, you must have a sandbox account to create test accounts and perform actual testing. The PayPal sandbox URL is:

https://developer.paypal.com/docs/classic/lifecycle/ug_sandbox/

Note	Refunds cannot be tested in the sandbox environment because the settlement process is not being enabled.

Enabling PayPal Express Checkout for Authorize.Net

Before you can use Paypal Express checkout for Authorize.Net, you must first enable this service in the merchant interface.

To enable PayPal Express Checkout for Authorize.Net:

Step 1   Log in to the Authorize.Net Merchant Interface.

Step 2   In the left-navigation column, choose **Accounts > Digital Payment Solutions**.

Locate the PayPal component of the Digital Payment Solutions page. If you do not have a business account with PayPal, click the link and follow PayPal's instructions for creating a business account before continuing with this procedure. When you have an active PayPal business account, continue to Step 3.

> **Note**   The account you use MUST be a *business* account, not a personal account.

Step 3   In the PayPal component of the Digital Payment Solutions page, click the **Sign Up** button.

The status of the PayPal component changes from Inactive to Pending.

Step 4   Click **Grant Permissions**.

You are redirected to PayPal.

Step 5   Log in with your PayPal business account credentials.

Review the permissions that you are required to grant to Authorize.Net.

Step 6   Click **Grant Permissions**.

You are directed back to the Digital Payment Solutions page in the Authorize.Net Merchant Interface. The status is now Enabled. However, it takes approximately 15 to 30 minutes before you are able to process transactions. The screen display will auto-refresh to notify you when transaction processing becomes available.

Button Placement

Customers choose PayPal because they are familiar with the checkout experience and trust the security that PayPal offers, by placing the PayPal button early in the checkout

flow will ensure increased sales lift, because customers will know early on that PayPal is a payment option.

For more information on Express Checkout Best practices, navigate to:

https://developer.paypal.com/webapps/developer/docs/classic/express-checkout/integration-guide/ECUIRequirements/

Transaction Types

The transaction flow for PayPal Express Checkout for Authorize.Net is different than a credit card transaction flow. The initial request to authorize a transaction notifies PayPal that an authorization has been initiated. Information that can be used to continue the authorization must be returned from PayPal. For supported sequences of transactions, see "Transaction Flow," page 14.

PayPal Express Checkout for Authorize.Net uses the following transaction types.

Authorization Only

An Authorization Only request notifies PayPal that an authorization has been initiated but does not complete the authorization. It returns a secure URL with a token appended to it. The purpose of this token is to identify the transaction when the customer is redirected to PayPal.

The elements in an Authorization Only request are described in "Authorization Only," page 18.

Get Details

A Get Details transaction returns customer's PayPal Payer ID, email address, and shipping information. Get Details can be called at any time and is most useful after the customer has approved the payment at PayPal. For transaction status details after the transaction has been captured, refer to the Authorize.Net Merchant Interface or the Transaction Details API.

The elements in a Get Details request are described in "Get Details," page 21.

Authorization Only, Continue

This request, if successful, actually authorizes the transaction but does not capture it.

The elements in an Authorization Only, Continue transaction are described in
"Authorization Only, Continue," page 22.

Prior Authorization Capture

This transaction type is used to capture an Authorization Only, Continue transaction that
was successfully authorized through the payment gateway.

The elements in a Prior Authorization Capture transaction are described in "Prior
Authorization Capture," page 23.

Void

This transaction type can be used to cancel an authorization that has not yet been
captured. Void can be used only in the following sequence: Authorization Only >
Authorization Only, Continue > Void.

The elements in a Void transaction are described in "Void," page 23.

Authorization and Capture

This type of transaction is the most common and is the default payment gateway
transaction type. Like the Authorization Only request, it notifies PayPal that an
Authorization and Capture transaction has been initiated, but does not complete the
request. It also returns a secure URL with a token appended to it. The purpose of this
token is to identify the transaction when the customer is redirected to PayPal.

The elements in an Authorization and Capture transaction are described in "Authorization
and Capture," page 24.

Authorization and Capture, Continue

This request actually authorizes and captures the transaction.

The elements in an Authorization and Capture, Continue request are described in
"Authorization and Capture, Continue," page 27.

Refund

This transaction type is used to refund a customer for a transaction that was originally
processed and successfully settled through the payment gateway. Refundsdo not occur

until after your transactions have been settled on our system, which happens after the cutoff time.

The elements in a Refund transaction are described in "Refund," page 27.

Transaction Flow

The transaction flow consists of three typical sequences:

Sequence 1

1   Authorization Only

2   Get Details (recommended for shipping)

3   Authorization Only, Continue

4   Prior Authorization Capture

5   Refund (optional)

Sequence 2

1   Authorization Only

2   Get Details (recommended for shipping)

3   Authorization Only, Continue

4   Void

Sequence 3

1   Authorization and Capture

2   Get Details (recommended for shipping)

3   Authorization and Capture, Continue

4   Refund (optional)

Line Items

Line items must add up to the amount of the transaction. If they do not equal the amount of the transaction, the transaction will be rejected.

Tax, freight, and duty fields are not sent to Paypal. If any of these values contribute to the total transaction amount and you are including line item details, then you must also include line items to represent these values, shown in the code example below.

Example 1   Incorporating Line Items with Tax and Shipping

```
x_line_item = item1<|>golf balls<|><|>2<|>18.95
x_line_item = item2<|>golf bag<|>Wilson golf carry bag,
red<|>1<|>39.99
x_line_item = item3<|>book<|>Golf for Dummies<|>1<|>21.99
x_line_item = item4<|>tax<|>This is the tax for the
transaction<|>7.84
x_line_item = item5<|>shipping<|>This is the shipping cost for the
transaction.<|>9.99
```

Submitting Transactions

PayPal transaction requests follow the standard AIM format. For information on AIM, see the *AIM Card-Not-Present Transactions Developer Guide.*

Transaction Post Location

The merchant's web site should POST transaction requests to the following payment gateway URL:

https://secure2.authorize.net/gateway/transact.dll

Legacy but support URL:

https://secure.authorize.net/gateway/transact.dll

Note	If you are using an Authorize.Net developer test account, test transactions are posted to a staging environment at https://test.authorize.net/gateway/transact.dll. If you do not have a developer test account, you can sign up for one at http://developer.authorize.net.

Note	Transactions should be sent using HTTP POST, not HTTP GET. HTTP GET sends information in clear text and is therefore not secure. For more information, see RFC 2616, section 15.1.3.

Note	Do not submit transactions to an IP address. Use the URLS shown above.

Preliminary Fields

The following fields must be included in every PayPal request:

Table 1   Preliminary Fields

Field	Value	Format
x_login	The merchant's unique API login ID. This ID is provided in the Merchant Interface and must be stored securely.	20 characters maximum.
x_tran_key	The merchant's unique transaction key. The merchant's API Login ID is provided in the Merchant Interface and must be stored securely. The API Login ID and Transaction Key together provide the merchant with the authentication required for access to the payment gateway.	16 characters.
x_delim_data	Indicates whether a delimited transaction response is required.	TRUE, T, YES, Y
x_delim_char	The character used to separate fields in the transaction response. The payment gateway uses the character passed in this field or, if no value is passed, the value stored in the Merchant Interface. If this field is passed, and the value is null, it overrides the value stored in the Merchant Interface and there is no delimiting character in the transaction response. Submit this field for each transaction to be sure that transaction responses are returned in the correct format.	A single symbol. For example: , (comma) | (pipe) " (double quotes) ' (single quote) : (colon) ; (semicolon) / (forward slash) \ (back slash) - (dash) * (star)

Table 1   Preliminary Fields (Continued)

Field	Value	Format
x_relay_response	FALSE SIM applications use relay response. Set this field to false if you are using AIM.	FALSE, F, NO, N

Example 2   Preliminary Fields

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false
```

Services

Authorize.Net's PayPal Express Checkout uses the following services. Code examples do not contain the full list of AIM transaction fields. For more information on payment transaction fields, see the AIM Card-Not-Present Transactions Developer Guide.

> **Note**
>
> Billing and shipping request fields are used only if the customer wants to use an address different than the one stored in their PayPal billing and shipping profiles. If these fields are provided, the address is validated by PayPal to ensure that it is a valid address. The transaction is declined if PayPal's validation fails. Billing and shipping fields are present in the Authorization and Authorization and Capture request calls.

Authorization Only

Table 2   Fields in an Authorization Only Request

Field Name	Value	Format
x_method	The Payment method. If this field is left blank, it defaults to Credit Card.	paypal

Table 2   Fields in an Authorization Only Request (Continued)

Field Name	Value	Format
x_type	The type of transaction. If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_ capture** transaction.	auth_only
x_amount	The amount of the transaction. This is the total amount and must include tax, shipping, and any other charges.	15 digit maximum with a decimal point (no dollar symbol). For example, 8.95.
x_success_url	URL to which the customer's browser returns when the customer chooses PayPal.	Valid URL. For example: http://www.merchanteCommerceSite.com/Success/TC25262
x_cancel_url	URL to which the customer's browser returns if they do not choose PayPal.	Valid URL. For example: http://www.merchanteCommerceSite.com/Cancel/TC25262
x_paypal_lc	Locale of pages displayed by PayPal during Express Checkout. Possible values: ■ AU: Australia ■ CAN: Canada ■ DE: Germany ■ ES: Spain ■ FR: France ■ GB: United Kingdom ■ IT: Italy ■ US (default): United States	
x_paypal_hdrimg	URL for the image that will be displayed in the upper left area of the payment page.	Valid URL.
x_paypal_payflowcolor	Background color for the payment page.	HTML hexadecimal color.
x_version	The merchant's transaction version.	3.1

Table 2   Fields in an Authorization Only Request (Continued)

Field Name	Value	Format
x_ship_to_first_name	Optional The first name associated with the customer's shipping address.	50 character maximum. No symbols.
x_ship_to_last_name	Optional The last name associated with the customer's shipping address.	50 character maximum. No symbols.
x_ship_to_address	Optional The customer's shipping address.	60 character maximum. No symbols.
x_ship_to_city	Optional The city of the customer's shipping address.	40 character maximum. No symbols.
x_ship_to_state	Optional The state of the customer's shipping address.	40 character maximum (no symbols), or a valid two-character code.
x_ship_to_zip	Optional The ZIP code of the customer's shipping address.	20 character maximum. No symbols.
x_ship_to_country	Optional The country of the customer's shipping address.	60 character maximum. No symbols.

Example 3   Authorization Only Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=auth_only

x_method=Paypal

x_amount=80.93

x_success_url=http://www.merchanteCommerceSite.com/Success/TC25262

x_cancel_url=http://www.merchanteCommerceSite.com/Cancel/TC25262

x_paypal_lc=IT
```

```
x_paypal_hdrimg=https://usa.visa.com/img/home/logo_visa.gif

x_paypal_payflowcolor=FFFF00

x_version=3.10

x_line_item=item1<|>golf balls<|><|>1<|>18.95

x_line_item=item2<|>golf bag<|>Wilson golf carry
bag,red<|>1<|>39.99

x_line_item=item3<|>book<|>Golf for Dummies<|>1<|>21.99
```

Get Details

Table 3   Fields in a Get Details Request

Field Name	Value	Format
x_type	The type of transaction.	get_details
	If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_capture** transaction.	
x_ref_trans_id	The Transaction ID value that was returned by the initial authorization of a previous transaction.	

Example 4   Get Details Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=get_details
x_ref_trans_id=811
```

Authorization Only, Continue

Table 4   Fields in an Authorization Only, Continued Request

Field	Value	Format
x_type	The transaction type. If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_capture** transaction.	auth_only_continue
x_ref_trans_id	The Transaction ID value that was returned from the first **auth_only** call.	
x_payer_id	The **x_payer_id** value returned in the **GetDetailsTransaction** response, or the value passed to the merchant's success/cancel URL server by PayPal as a web parameter.	

Example 5   Authorization Only, Continue Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=auth_only_continue

x_ref_trans_id=102
x_payer_id=S6D5ETGSVYX94
```

Prior Authorization Capture

Table 5   Fields in a Prior Authorization Capture Request

Field	Value	Format
x_type	The type of transaction. If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_ catpure** transaction.	prior_auth_capture
x_ref_trans_id	The Transaction ID value that was returned from the first **auth_only** call.	

Example 6   Prior Authorization Capture Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=prior_auth_capture

x_ref_trans_id=811
```

Void

Table 6   Fields in a Void Request

Field	Value	Format
x_type	The type of transaction. If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_ capture** transaction.	void

Table 6   Fields in a Void Request (Continued)

Field	Value	Format
x_ref_trans_id	The Transaction ID value that was returned from the first **auth_only** call.	
x_amount	This field is ignored, and the amount from the original authorization is used.	

Example 7   Void Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=void

x_ref_trans_id=811

x_amount=10.99
```

Authorization and Capture

Table 7   Fields in an Authorization and Capture Request

Field Name	Value	Format
x_method	The Payment method. If this field is left blank, it defaults to Credit Card.	paypal
x_type	The type of transaction. If the value submitted does not match a supported value, the transaction is rejected. If this field is not submitted or the value is blank, the payment gateway will process the transaction as an **auth_capture** transaction.	auth_capture

Table 7   Fields in an Authorization and Capture Request (Continued)

Field Name	Value	Format
x_amount	The amount of the transaction. This is the total amount and must include tax, shipping, and any other charges.	Up to 15 digits with a decimal point (no dollar symbol). For example, 8.95.
x_success_url	URL to which the customer's browser returns when they choose PayPal.	Valid URL. For example: http:// www.merchanteCommerceSite .com/Success/TC25262
x_cancel_url	URL to which customer's browser returns when they do not choose PayPal.	Valid URL. For example: http:// www.merchanteCommerceSite .com/Cancel/TC25262
x_paypal_lc	Locale of pages displayed by PayPal during Express Checkout. Possible values: ■ AU: Australia ■ CAN: Canada ■ DE: Germany ■ ES: Spain ■ FR: France ■ GB: United Kingdom ■ IT: Italy ■ US (default): United States	
x_paypal_hdrimg	URL for the image that will be displayed in the upper left area of the payment page.	Valid URL.
x_paypal_payflowcolor	Background color for the payment page.	HTML hexadecimal color.
x_version	The merchant's transaction version.	3.1
x_ship_to_first_name	Optional The first name associated with the customer's shipping address.	50 character maximum. No symbols.
x_ship_to_last_name	Optional The last name associated with the customer's shipping address.	50 character maximum. No symbols.

Table 7   Fields in an Authorization and Capture Request (Continued)

Field Name	Value	Format
x_ship_to_address	Optional The customer's shipping address.	60 character maximum. No symbols.
x_ship_to_city	Optional The city of the customer's shipping address.	40 character maximum. No symbols.
x_ship_to_state	Optional The state of the customer's shipping address.	40 character maximum (no symbols), or a valid two-character code.
x_ship_to_zip	Optional The ZIP code of the customer's shipping address.	20 character maximum. No symbols.
x_ship_to_country	Optional The country of the customer's shipping address.	60 character maximum. No symbols.

Example 8   Authorization and Capture Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=auth_capture

x_method=Paypal

x_amount=80.93

x_success_url=http://www.merchanteCommerceSite.com/Success/TC25262

x_cancel_url=http://www.merchanteCommerceSite.com/Cancel/TC25262

x_paypal_lc=IT

x_paypal_hdrimg=https://usa.visa.com/img/home/logo_visa.gif

x_paypal_payflowcolor=FFFF00

x_version=3.10

x_line_item=item1<|>golf balls<|><|>1<|>18.95
```

Authorization and Capture, Continue

Table 8   Fields in an Authorization and Capture, Continue Request

Field	Value	Format
x_type	The type of transaction.	auth_capture_continue
x_ref_trans_id	The Transaction ID that was returned from the first **authOnlyTransaction** call.	
x_payer_id	The **x_payer_id** value returned in the **GetDetailsTransaction** response, or the value passed to the merchant's success/cancel URL server by PayPal as a web parameter (query string &payerid=S6D5ETGSVYX94).	

Example 9   Authorization and Capture, Continued Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=auth_capture_continue

x_ref_trans_id=102

x_payer_id=S6D5ETGSVYX94
```

Refund

Table 9   Fields in a Refund Request

Field	Value	Format
x_type	The type of credit card transaction	credit
x_ref_trans_id		

Table 9   Fields in a Refund Request (Continued)

Field	Value	Format
x_amount	The amount of the transaction. This is the total amount and must include tax, shipping, and any other charges. The amount can either be hard coded or posted to a script.	15 digit maximum with a decimal point (no dollar symbol). For example, 8.95.

Example 10   Refund Request

```
x_login=6U6qFb968

x_tran_key=8SVBby3vB8qc5425ey

x_delim_data=true

x_delim_char=,

x_relay_response=false

x_type=credit

x_ref_trans_id=811

x_amount=10.99
```

Transaction Responses

There are two <message> elements. One is inside the <messages> element at the beginning of the response, which describes the status of your request. The other is within the <transactionResponse> element and describes the status of the original transaction.

Transaction responses use the standard AIM format. For information on AIM, see the *AIM Card-Not-Present Transactions Developer Guide*.

Responses

Responses are documented below according to their corresponding request.

Authorization Only

Table 10   Fields in an Authorization Only Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction. **Format**: 1 = Approved 2 = Declined 3 = Error 5 = Need Payer Consent
2	Response Subcode	A code used by the payment gateway for internal transaction tracking
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction. **Format**: Numeric.

Table 10   Fields in an Authorization Only Response (Continued)

Order	Field Name	Description
4	Response Reason Text	**Value**: A brief description of the result, which corresponds with the response reason code.
		Format: Text.
		Notes: You can generally use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction.
		Format: When the **x_test_request** field is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow-on transactions such as a credit, prior authorization capture or void.
10	Amount	**Value**: The amount of the transaction.
		Format: 15 digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `auth_only`
56	Secure Acceptance URL	Contains the URL to a payment form that can accept payment details securely. You should redirect the customer's browser to this URL so that the customer can log in, provide payment details, and initiate payment processing. This URL contains a token that is good for 3 hours.
		In test mode, the URL with be returned with an invalid token of 0. For example,
		www.paypal.com/cgibin/webscr?cmd=_express-checkout&token=0
58	Raw Response Code	Contains the specific error code returned by PayPal.
		This field is set to 0 for an approved transaction.

Example 11   Authorization Only Response

```
5,1,2000,Need payer consent.,,P,102,,,80.93,PAYPAL,auth_
only,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,PayPal,,,,https://
www.paypal.com/cgibin/webscr?cmd=_express-checkout&token=EC-
4WL17777V4111184H
```

Get Details

Table 11   Fields in a Get Details Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction.
		Format:
		1 = Approved
		2 = Declined
		3 = Error
2	Response Subcode	**Value**: A code used by the payment gateway for internal transaction tracking.
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction.
		Format: Numeric.
4	Response Reason Text	**Value**: A brief description of the result, which corresponds with the response reason code.
		Format: Text.
		Notes: You can generally use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction.
		Format: When the **x_test_request** field is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow-on transactions such as credit, prior authorization capture or void.
10	Amount	**Value**: The amount of the transaction.
		Format: 15-digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `get_details`
24	Email	Contains the email address of the customer. It is returned only when the customer has visited the PayPal payment form using the URL returned in the **SecureAcceptanceUrl** field of the **auth_ only** response, and logged in. Otherwise, this field will not be returned.
		When you use test mode, the email returned is null@authorize.net.
25	First Name	The customer's first name.
28	Address	The customer's shipping address.

Table 11   Fields in a Get Details Response (Continued)

Order	Field Name	Description
29	City	The customer's city.
30	State	The customer's state.
31	Zip Code	The customer's zip code.
32	Country	The customer's country.
57	Payer ID	Contains the Payer ID of the customer, returned by PayPal. This will only be returned if the customer has visited the PayPal payment form using the URL returned in the **SecureAcceptanceUrl** field of the **auth_only** response, and logged in. Otherwise, this field will not be returned.
		When you use test mode, the Payer ID value returned is 123456.
58	Raw Response Code	Contains the specific error code returned by PayPal. This field is set to 0 for an approved transaction.

Example 12   Get Details Response

```
1,1,2003,Request completed successfully,,P,811,,,19.99,Paypal,get_
details,,,,,,,,,,,,,cchell@cybs.com,John Doe,,,1, ABC St Suite
#100,Bellevue,WA,98005,US,,,6932F93E426A51D3B61A1F511A8F6987,,,,,,,,,,,,
,,,PayPal,,,,,S6D5ETGSVYX94,
```

Authorization Only, Continued

Table 12   Fields in an Authorization Only, Continued Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction. **Format**: 1 = Approved 2 = Declined 3 = Error
2	Response Subcode	**Value**: A code used by the payment gateway for internal transaction tracking.
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction. **Format**: Numeric.
4	Response Reason Text	**Value**: A brief description of the result, that corresponds with the response reason code. **Format**: Text. **Notes**: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction. **Format**: When the **x_test_request** field is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0. **Notes**: This value must be used for any follow on transactions such as a credit, prior authorization capture or void.
10	Amount	**Value**: The amount of the transaction. **Format**: 15-digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `auth_only_continue`

Example 13   Authorization Only, Continued Response

```
1,1,1,This transaction has been approved.,,,102,,,19.99,Paypal,auth_
only_continue,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
```

Prior Authorization Capture

Table 13   Fields in a Prior Authorization and Capture Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction.
		Format:
		1 = Approved
		2 = Declined
		3 = Error
2	Response Subcode	**Value**: A code used by the payment gateway for internal transaction tracking.
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction.
		Format: Numeric.
4	Response Reason Text	**Value**: A brief description of the result, that corresponds with the response reason code.
		Format: Text.
		Notes: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction.
		Format: When **x_test_request** is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow-on transactions such as a credit, **prior authorization capture** or void.
10	Amount	**Value**: The amount of the transaction.
		Format: 15-digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `prior_auth_capture`

Example 14   Prior Authorization and Capture Response

```
1,1,1,This transaction has been approved.,,P,811,,,19.99,Paypal,prior_
auth_capture,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
```

Void

Table 14   Fields in a Void Response

Order	Field Name	Description
1	Response Code	**Value:** The overall status of the transaction.
		Format:
		1 = Approved
		2 = Declined
		3 = Error
2	Response Subcode	A code used by the payment gateway for internal transaction tracking.
3	Response Reason Code	**Value:** A code that represents more details about the result of the transaction.
		Format: Numeric.
4	Response Reason Text	**Value:** A brief description of the result, that corresponds with the response reason code.
		Format: Text.
		Notes: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value:** The payment gateway-assigned identification number for the transaction.
		Format: When **x_test_request** is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow-on transactions such as a credit, prior authorization capture or void.
10	Amount	**Value:** The amount of the transaction.
		Format: 15-character maximum.
11	Method	**Value:** `PayPal`.
12	Transaction Type	**Value:** `void`

Example 15   Void Response

```
1,1,1,This transaction has been
approved.,,P,811,,,10.99,Paypal,void,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
,,,,,,,,
```

Authorization and Capture

Table 15   Fields in an Authorization and Capture Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction.
		Format:
		1 = Approved
		2 = Declined
		3 = Error
		5 = Need Payer Consent
2	Response Subcode	A code used by the payment gateway for internal transaction tracking
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction.
		Format: Numeric.
4	Response Reason Text	**Value**: A brief description of the result that corresponds with the response reason code.
		Format: Text.
		Notes: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction.
		Format: When the **x_test_request** field is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow-on transactions such as a credit, prior authorization capture or void.
10	Amount	**Value**: The amount of the transaction.
		Format: 15-digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `auth_capture`

Table 15   Fields in an Authorization and Capture Response

Order	Field Name	Description
56	Secure Acceptance URL	Contains the URL to a payment form that can accept payment details securely. You should redirect the customer's browser to this URL, so that the customer can log in, provide his payment details, and initiate payment processing. This URL contains a token that is good for 3 hours.
		In test mode, the URL will be returned with an invalid token of 0. For example,
		www.paypal.com/cgibin/webscr?cmd=_ express-checkout&token=0
58	Raw Response Code	Contains the specific error code returned by PayPal.
		This field is set to 0 for an approved transaction.

Example 16   Authorization and Capture Response

```
5,1,2000,Need payer consent.,,P,102,,,80.93,PAYPAL,auth_
capture,,,,,,,,,,,,John,Doe,,12 Main Street,Pecan
Springs,TX,44628,USA,,,,,,,,,,,,,,,,,,,PayPal,,,,https://
www.paypal.com/cgibin/webscr?cmd=_express-checkout&token=EC-
4WL17777V4111184H,,0
```

Authorization and Capture, Continue

Table 16   Fields in an Authorization and Capture, Continue Response

Order	Field Name	Description
1	Response Code	**Value**: The overall status of the transaction.
		Format:
		1 = Approved
		2 = Declined
		3 = Error
2	Response Subcode	**Value**: A code used by the payment gateway for internal transaction tracking.
3	Response Reason Code	**Value**: A code that represents more details about the result of the transaction.
		Format: Numeric.

Table 16   Fields in an Authorization and Capture, Continue Response (Continued)

Order	Field Name	Description
4	Response Reason Text	**Value**: A brief description of the result that corresponds with the response reason code. **Format**: Text. **Notes**: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value**: The payment gateway-assigned identification number for the transaction. **Format**: When **x_test_request** is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0. **Notes**: This value must be used for any follow on transactions such as a credit, prior authorization capture, or void.
10	Amount	**Value**: The amount of the transaction. **Format**: 15-digit maximum.
11	Method	**Value**: `PayPal`
12	Transaction Type	**Value**: `auth_capture_continue`
58	RawResponse Code	Contains the specific error code returned by PayPal. This field is set to 0 for an approved transaction.

Example 17   Authorization and Capture, Continued Response

```
1,1,1,This transaction has been
approved.,,,102,,,19.99,Paypal,auth_capture_
continue,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,0
```

Refund

Table 17   Fields in a Refund Response

Order	Field Name	Description
1	Response Code	**Value:** The overall status of the transaction. **Format:** 1 = Approved 2 = Declined 3 = Error
2	Response Subcode	A code used by the payment gateway for internal transaction tracking.

Table 17   Fields in a Refund Response (Continued)

Order	Field Name	Description
3	Response Reason Code	**Value:** A code that represents more details about the result of the transaction.
		Format: Numeric.
4	Response Reason Text	**Value:** A brief description of the result that corresponds with the response reason code.
		Format: Text.
		Notes: You can use this text to display a transaction result or error to the customer.
7	Transaction ID	**Value:** The payment gateway-assigned identification number for the transaction.
		Format: When **x_test_request** is set to a positive response, or when Test Mode is enabled on the payment gateway, this value will be 0.
		Notes: This value must be used for any follow on transactions such as a credit, prior authorization capture or void.
10	Amount	**Value:** The amount of the transaction.
		Format: 15-digit maximum.
11	Method	**Value:** `PayPal.`
12	Transaction Type	**Value:** `credit`

Example 18   Refund Response

```
1,1,1,This transaction has been
approved.,,,P,811,,,10.99,Paypal,credit,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
,,,,,,,,,
```

Response Reason Codes

The following table describes all of the response reason codes used by PayPal for Authorize.Net.

Table 18   Response Reason Codes

Reason Code	Response Reason Code	Response Reason Text	Notes
5	2000	Need payer consent.	The value of the **secureAcceptanceURL** field, provided in Authorization Only or Authorization and Capture service calls, is required for the follow-on calls such as Authorization Only, Continue and Authorization and Capture, Continue.
3	2001	PayPal transactions are not accepted by this merchant based on their configuration.	
3	2002	PayPal transactions require **x_version** of at least 3.1.	The value submitted in **x_version** is invalid because the minimum version required for PayPal is 3.1.
1	2003	Request completed successfully.	Response returned after a successful Get Details request.
3	2004	Success URL is required.	The transaction request must include a URL to which the customer's browser returns after they choose PayPal.
3	2005	Cancel URL is required.	The transaction request must include a URL to which the customer's browser returns if the customer does not choose PayPal.
3	2006	Payer ID is required.	The transaction request must include the value that was passed to the merchant 's success/cancel URL server by PayPal as web parameter or returned in the Get Details Response.
3	2007	This processor does not accept zero dollar authorizations.	Generic error returned when the processing service does not yet accept zero dollar authorization.
3	2008	The referenced transaction does not meet the criteria for issuing a Continued Authorization.	The transaction request of type Authorization Only, Continue is not allowed after a successful Authorization and Capture transaction.

Table 18   Response Reason Codes (Continued)

Reason Code	Response Reason Code	Response Reason Text	Notes
3	2009	The referenced transaction does not meet the criteria for issuing a Continued Authorization w/ Auto Capture.	The transaction request of type Authorization and Capture, Continue is not allowed after a successful Authorization Only transaction.
3	2100	PayPal transactions require valid URL for **success_url**.	The value submitted in the Success URL is invalid.
3	2101	PayPal transactions require valid URL for **cancel_url**.	The value submitted in **x_cancel_url** is invalid.
3	2102	Payment not authorized. Payment has not been authorized by the user.	Error returned when the customer has not yet approved the payment at PayPal.
3	2103	This transaction has already been authorized.	Error returned on subsequent **auth_only_continue** transaction requests after a successful **auth_only_continue** call.
3	2104	The totals of the cart item amounts do not match order amounts. Be sure the total of the payment detail item parameters equal the order total.	The transaction is rejected if the sum of the cart item amount exceeds the order amounts and vice-versa.
3	2105	PayPal has rejected the transaction. Invalid Payer ID.	The value submitted in **x_payer_id** is invalid.
3	2106	PayPal has already captured this transaction.	Error returned on subsequent **auth_only_continue** / **auth_capture_continue** transaction requests after a successful **prior_auth_capture** call.
3	2107	PayPal has rejected the transaction. The Payer ID belongs to a different customer.	
2	2108	PayPal has rejected the transaction. **x_paypal_hdrimg** exceeds maximum allowable length.	The value submitted in **x_paypal_hdrimg** exceeds maximum allowable length.
2	2109	PayPal has rejected the transaction. **x_paypal_payflowcolor** must be a 6 character hexadecimal value.	The value submitted in **x_paypal_payflowcolor** exceeds maximum allowable length.