



# Merchant Web Services API

## Transaction Details Guide

XML

Authorize.Net Developer Support

<http://developer.authorize.net>

Authorize.Net LLC 082007 Ver.2.0

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# Revision History

This table lists the most recent updates to this document:

Date	Changes
September 2010	Initial version (getTransactionDetails).
October 2010	Added function getSettledBatchList
November 2010	Added function getTransactionList
March 2011	Added function getunsettledTransactionList
August 2011	Clarified note for refTransId field of getTransactionDetailsResponse.

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## Chapter 1

# Introduction

Welcome to the Authorize.Net *Transaction Details API Developer Guide*. This guide describes the Web development required to connect an e-commerce website or other application to the Authorize.Net Payment Gateway in order to retrieve transaction data that can be used to create customized reports.

## Minimum Requirements

Before you begin, check with the merchant to make sure that the following requirements have already been met. It is strongly recommended that you work closely with the merchant to ensure that any other business and website requirements (for example, bank or processor requirements, website design preferences) are included in their integration.

- The merchant must have an e-commerce (Card Not Present) Authorize.Net Payment Gateway account.
- The merchant's website or hosting provider must have server scripting or CGI capabilities such as ASP Classic, Cold Fusion, PHP or Perl.
- The merchant must be able to store payment gateway account data securely (for example, API Login ID or Transaction Key).
- The merchant must have enabled **Transaction Details API** in the Merchant Interface account settings.

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**Note** Merchants should avoid storing any type of sensitive cardholder information. However, if a merchant or third party must store sensitive customer business or payment information, compliance with industry standard storage requirements is required. Please see the Developer Security Best Practices White Paper at <http://www.authorize.net/files/developerbestpractices.pdf> for guidelines.

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## Enabling the API

To enable the Transaction Details API:

- 1 Log on to the Merchant Interface at <https://account.authorize.net>.
- 2 Select **Settings** under **Account** in the main menu on the left.
- 3 Click the **Transaction Details API** link in the Security Settings section. The Transaction Details API screen opens.
- 4 If you have not already enabled the Transaction Details API, enter the answer to your Secret Question, then click **Enable Transaction Details API**.
- 5 When you have successfully enabled the Transaction Details API, the Settings page displays.

## Developer Support

Several resources are available to help you successfully integrate a merchant website or other application to the Authorize.Net Payment Gateway.

The [Developer Center](#) provides test accounts, sample code, FAQs, and troubleshooting tools.

If you can't find what you need in the Developer Center, our Integration Team is available to answer your questions by email at [developer@authorize.net](mailto:developer@authorize.net). (Our Integration Team can only assist with support requests specifically about the Authorize.Net application programming interface (API) and/or services.)

Be sure to read our [Developer Security Best Practices White Paper](#) for information on how to maximize the security and reliability of your merchant integration solutions.

If you have any suggestions about how we can improve or correct this guide, please email [documentation@authorize.net](mailto:documentation@authorize.net).

## Software Development Kits

Authorize.Net offers software development kits (SDKs) that present an alternate object-oriented model, in several popular languages. The SDK performs the core payment activities (such as error handling and parsing, network communication, and data encoding) behind the scenes.

The SDK provides utility methods to help developers build payment flows for each of the integration methods. You can download the SDKs at <http://developer.authorize.net/downloads/>.

## Chapter 2

# Executing an API Call

The following sections describe the minimum requirements for executing a call using XML.

There are two options for developing the report script:

- You can develop a custom script yourself using the API field information in this section, OR
- You can use Authorize.Net sample code available for free from our Developer Center at <http://developer.authorize.net/samplecode>. We try to offer the most requested programming languages for sample code, but unfortunately we cannot offer all programming languages requested. If you do not wish to use the sample code that we offer, please use your knowledge of your chosen language, along with this guide, to create your own.

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**Note** :If you choose to use Authorize.Net sample code, please be aware that in order to achieve a successful implementation it must be modified with the merchant's specific payment gateway account information.

**Note for .NET programmers:** When a parameter is optional, and if you use serialization, then the .NET language you are using automatically creates Boolean properties that indicate whether or not non-nullable parameters are specified. For example, if there is a parameter named `validationMode` that is an Enumeration type, a parameter called `validationModeSpecified` is automatically created. By default, these properties are set to `false`. If a request passes a value for an optional parameter, be sure to set these properties to `true` so that the value is not ignored.

---



## Web Service Locations

**Table 1** Web Service Locations

ITEM	LOCATION
Production	<a href="https://api.authorize.net/xml/v1/request.api">https://api.authorize.net/xml/v1/request.api</a>
Developer Test	<a href="https://apitest.authorize.net/xml/v1/request.api">https://apitest.authorize.net/xml/v1/request.api</a>
XML schema	<a href="https://api.authorize.net/xml/v1/schema/AnetApiSchema.xsd">https://api.authorize.net/xml/v1/schema/AnetApiSchema.xsd</a>

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**Note** The Developer Test URL requires the use of a developer test payment gateway account. You can request a test account from our Developer Center at <http://developer.authorize.net/testaccount>. Developer test accounts cannot be used to test against the production system.

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# Transaction Details API Functions

The Transaction Details API functions include:

- [getSettledBatchListRequest](#)

This function returns information about a settled batch: Batch ID, Settlement Time, & Settlement State. If you specify `includeStatistics`, you also receive batch statistics by payment type.

- [getBatchStatisticsRequest](#)

This function returns batch statistics for a single batch.

- [getTransactionListRequest](#)

This function returns transaction details for a specified batch ID.

- [getUnsettledTransactionListRequest](#)

This function returns details for unsettled transactions.

- [getTransactionDetailsRequest](#)

This function returns full transaction details for a specified transaction ID.

The following sections provide information about the input elements required for executing the functions listed above. All elements are case sensitive and must be submitted in the order listed here. Elements are required unless otherwise indicated. Do not submit optional elements unless they contain valid values.

## Authentication

All calls to the Transaction Details API require merchant authentication. The following table lists the required XML elements. All XML elements are case-sensitive and must be submitted in the order listed here. Do not submit optional elements unless they contain valid values.

Elements required for individual API calls are in addition to the authentication elements required for all API calls.

**Table 2** Merchant authentication

Element	Value	Format	Notes
merchantAuthentication	Contains unique merchant information for identification purposes	MerchantAuthentication Type	
name	The valid API login ID for the developer test or merchant account	25 characters	Submit the API login ID used to submit transactions.
transactionKey	The valid transaction key for the developer test or merchant account	16 characters	Submit the transaction key obtained from the Merchant Interface.

**Example** of Authentication with the Login ID and Transaction Key

```
<?xml version="1.0" encoding="utf-8"?>
<FunctionName xmlns= "AnetApi/xml/v1/schema/AnetApiSchema.xsd">
  <merchantAuthentication>
    <name>mytestacct</name>
    <transactionKey>112223344</transactionKey>
  </merchantAuthentication>
  Additional required elements here
</FunctionName>
```

## Sample Code

The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Developer Center at <http://developer.authorize.net/samplecode>.

## getSettledBatchListRequest

This function returns Batch ID, Settlement Time, & Settlement State for all settled batches with a range of dates. If you specify `includeStatistics`, you also receive batch statistics by payment type and batch totals.

All input parameters are optional.

- If no dates are specified, then the default is the last 24 hours (ending at the time of the call to `getSettledBatchListRequest`)
- The input and output for all dates defaults to the merchant's local time, unless UTC time is specified

**Table 3 :** Input elements for `getSettledBatchListRequest`

Element	Value	Format	Notes
<code>includeStatistics</code>	true or false		Optional. The default is false
<code>firstSettlementDate</code>		yyyy-mm-ddTHH:MM:SS	Optional. Include this value if you want data for a range of dates other than the last 24 hrs.
<code>lastSettlementDate</code>		yyyy-mm-ddTHH:MM:SS	Optional. Include this value if you want data for a range of dates other than the last 24 hours. The maximum date range is 31 days.

## Date range criteria

If the time in the `firstSettlementDate` and `lastSettlementDate` ends with a Z (for example, "2010-09-21T16:00:00Z") then this is UTC time and not the merchant's local time.

The default date range is one day (the previous 24 hour period). The maximum date range is 31 days. The merchant time zone is taken into consideration when calculating the batch date range, unless the Z is specified in the first and last settlement dates.

If you specify `includeStatistics=true`, then statistics are included for the entire range, including the first and last settlement dates.

The search results are inclusive of the date range.

If the merchant sends in a time of 00:00:00 for `lastSettlementDate`, then one day is added to this day in the search (so that it includes the date specified). The 31-day check happens before this day is added.

The `firstSettlementDate` parameter cannot precede January 1, two years before the current year. For example, if the current date is September 1, 2010, `firstSettlementDate` must be January 1, 2008 or later.

**Example** call to `getSettledBatchListRequest`

```
<getSettledBatchListRequest xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <merchantAuthentication>
    <name>YourUserLogin</name>
    <transactionKey>YourTranKey</transactionKey>
  </merchantAuthentication>
  <includeStatistics>true</includeStatistics>
  <firstSettlementDate>2010-05-01T16:00:00Z</firstSettlementDate>
  <lastSettlementDate>2010-05-31T16:00:00Z</lastSettlementDate>
</getSettledBatchListRequest>
```

## getBatchStatisticsRequest

A call to `getBatchStatisticsRequest` returns statistics for a single batch, specified by the batch ID.

**Table 4** : Input parameters for `GetBatchStatisticsRequest`

Parameter	Value	Format	Notes
batchid	The batch ID	12345	

### Example for `getBatchStatisticsRequest`

```
<?xml version="1.0" encoding="utf-8"?>
<getBatchStatisticsRequest xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <merchantAuthentication>
    <name>YourUserLogin</name>
    <transactionKey>YourTranKey</transactionKey>
  </merchantAuthentication>
  <batchId>12345</batchId>
</getBatchStatisticsRequest>
```

## getTransactionListRequest

Use this function to return data for all transactions in a specified batch.

**Table 5** : Input parameters for `getTransactionListRequest`

Parameter	Value	Format	Notes
batchid	The batch ID	12345	

**Example** call to GetTransactionListRequest

```
<getTransactionListRequest xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <merchantAuthentication>
    <name>YourUserLogin</name>
    <transactionKey>YourTranKey</transactionKey>
  </merchantAuthentication>
  <batchId>12345</batchId>
</getTransactionListRequest>
```

## getUnsettledTransactionListRequest

Use this function to get data for unsettled transactions. The function will return data for up to 1000 of the most recent transactions.

No input parameters are required, other than the authentication information.

## getTransactionDetailsRequest

Use this function to get detailed information about one specific transaction.

**Table 6** : Input elements for getTransactionDetailsRequest

Element	Value	Format	Notes
transId	The transaction ID	12345	

**Example** call to getTransactionDetailsRequest

```
<getTransactionDetailsRequest xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <merchantAuthentication>
    <name>YourUserLogin</name>
    <transactionKey>YourTranKey</transactionKey>
  </merchantAuthentication>
  <transId>12345</transId>
</getTransactionDetailsRequest>
```





## Chapter 3

# Responses

The transaction response from the payment gateway is a set of fields that provides information about the status of a request.

## Responses for Successful Requests

The following sections describe the output fields that are returned for successful API calls. The response includes a result code and message section which indicates whether or not the call was successful, and if not, a description of the error. A complete list of error messages can be found starting on page 38.

[Output Elements for getSettledBatchListResponse](#)

[Output Elements for getBatchStatisticsResponse](#)

[Output Elements for getTransactionListResponse](#)

[Output Elements for getUnsettledTransactionListResponse](#)

[Output Elements for getTransactionDetailsResponse](#)

## Sample Code

The sample code included in this document uses dummy field values. When using or testing sample code, be sure to enter valid field values. Additional sample code is available for download from the Authorize.Net Developer Center at <http://developer.authorize.net/samplecode>.

## Output Elements for getSettledBatchListResponse

The following table lists the fields returned in the `getSettledBatchListResponse` function. Indentations in the Element column indicate grouping hierarchy.

**Table 7** Output elements for getSettledBatchListResponse

Element	Value	Format	Notes
messages	Contains information about the results of the request		
resultCode	Contains additional information about the results of the request	OK Error	
message	Contains a detailed description of the status		
code	The response code that represents the status		
text	A text description of the status		
batchList	Contains information for all batches		The batch list is sorted by batch id in ascending order
batch	Contains information specific to one batch		
batchid	The batch ID	12345	
settlementTimeUTC	Date and time when the batch was settled, expressed in UTC	YYYY-MM-DDT HH:MM:SS	The “T” character separates the date from the time.
settlementTimeLocal	Date and time when the batch was settled, expressed in merchant’s local time zone	YYYY-MM-DDTHH:MM:SS	The “T” character separates the date from the time. This field returns the time in the merchant’s local time zone as set in the Merchant Interface.
settlementState	Status of the batch	settledSuccessfully error	
paymentMethod			
If the request specifies <code>includeStatistics=true</code> , then the following information is also returned.			
statistics	Contains one or more <statistic> elements		
statistic	One <statistic> element is returned for each accountType.		

**Table 7** Output elements for getSettledBatchListResponse (Continued)

Element	Value	Format	Notes
accountType	The card type for this transaction (including eCheck)	Visa, MasterCard, AmericanExpress, Discover, JCB, DinersClub eCheck	A batch will contain either credit card or eCheck statistics, because eCheck transactions go in their own batch.
chargeAmount	The total amount of all credit card transactions		
chargeCount	The number of credit card transactions		
refundAmount			
refundCount			
voidCount			
declineCount			
errorCount			
returnedItemAmount	Values for this field are only included for eCheck transactions.		
returnedItemCount	Values for this field are only included for eCheck transactions.		
chargebackAmount	Values for this field are only included for credit card transactions.		
chargebackCount	Values for this field are only included for credit card transactions.		
correctionNoticeCount	Values for this field are only included for credit card transactions.		
chargeChargeBackAmount	Values for this field are only included for credit card transactions.		
chargeChargeBackCount	Values for this field are only included for credit card transactions.		

**Table 7** Output elements for getSettledBatchListResponse (Continued)

Element	Value	Format	Notes
getBatchStatisticsResponseAmount	Values for this field are only included for credit card transactions.		
getBatchStatisticsResponseCount	Values for this field are only included for credit card transactions.		
chargeReturnedItemsAmount	Values for this field are only included for credit card transactions.		
chargeReturnedItemsCount	Values for this field are only included for credit card transactions.		
refundReturnedItemsAmount	Values for this field are only included for credit card transactions.		
refundReturnedItemsCount	Values for this field are only included for credit card transactions.		

**Example response not including statistics**

```
<getSettledBatchListResponse xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <messages>
    <resultCode>Ok</resultCode>
    <message>
      <code>I00001</code>
      <text>Successful.</text>
    </message>
  </messages>
  <batchList>
    <batch>
      <batchId>12345678</batchId>
      <settlementTimeUTC>2010-05-30T09:00:00</settlementTimeUTC>
      <settlementTimeLocal>2010-05-30T03:00:00</settlementTimeLocal>
      <settlementState>settledSuccessfully</settlementState>
    </batch>
    <batch>
      <batchId>12345678</batchId>
      <settlementTimeUTC>2010-05-30T09:00:00</settlementTimeUTC>
      <settlementTimeLocal>2010-05-30T03:00:00</settlementTimeLocal>
      <settlementState>settledSuccessfully</settlementState>
    </batch>
  </batchList>
</getSettledBatchListResponse>
```

**Example response including statistics**

```
<?xml version="1.0" encoding="utf-8"?>
<getSettledBatchListResponse xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <messages>
    <resultCode>Ok</resultCode>
    <message>
      <code>I00001</code>
      <text>Successful.</text>
    </message>
  </messages>
  <batchList>
    <batch>
      <batchId>12345678</batchId>
```

```
<settlementTimeUTC>2010-05-30T09:00:00</settlementTimeUTC>
<settlementTimeLocal>2010-05-30T03:00:00</settlementTimeLocal>
<settlementState>settledSuccessfully</settlementState>
<statistics>
  <statistic>
    <accountType>Visa</accountType> <!-- accountTypeEnum -->
    <chargeAmount>200.00</chargeAmount>
    <chargeCount>13</chargeCount>
    <refundAmount>10.00</refundAmount>
    <refundCount>1</refundCount>
    <voidCount>2</voidCount>
    <declineCount>4</declineCount>
    <errorCount>6</errorCount>
    <returnedItemAmount>0.00</returnedItemAmount>
    <returnedItemCount>0</returnedItemCount>
    <chargebackAmount>0.00</chargebackAmount>
    <chargebackCount>0</chargebackCount>
    <correctionNoticeCount>0</correctionNoticeCount>
    <chargeChargeBackAmount>0.00</chargeChargeBackAmount>
    <chargeChargeBackCount>0</chargeChargeBackCount>
    <getBatchStatisticsResponseAmount>0.00</
getBatchStatisticsResponseAmount>
    <getBatchStatisticsResponseCount>0</
getBatchStatisticsResponseCount>
    <chargeReturnedItemsAmount>0.00</chargeReturnedItemsAmount>
    <chargeReturnedItemsCount>0</chargeReturnedItemsCount>
    <refundReturnedItemsAmount>0.00</refundReturnedItemsAmount>
    <refundReturnedItemsCount>0</refundReturnedItemsCount>
  </statistic>
  <statistic>
    <accountType>MasterCard</accountType>
    <chargeAmount>200.00</chargeAmount>
    <chargeCount>13</chargeCount>
    <refundAmount>10.00</refundAmount>
    <refundCount>1</refundCount>
    <voidCount>2</voidCount>
    <declineCount>4</declineCount>
    <errorCount>6</errorCount>
    <chargebackAmount>0.00</chargebackAmount>
    <chargebackCount>0</chargebackCount>
    <correctionNoticeCount>0</correctionNoticeCount>
```

```
        <chargeChargeBackAmount>0.00</chargeChargeBackAmount>
        <chargeChargeBackCount>0</chargeChargeBackCount>
        <getBatchStatisticsResponseAmount>0.00</
getBatchStatisticsResponseAmount>
        <getBatchStatisticsResponseCount>0</
getBatchStatisticsResponseCount>
    </statistic>
</statistics>
</batch>
<batch>
    <batchId>23456789</batchId>
    <settlementTimeUTC>2010-05-30T09:00:00</settlementTimeUTC>
    <settlementTimeLocal>2010-05-30T03:00:00</settlementTimeLocal>
    <settlementState>settledSuccessfully</settlementState>
    <statistics>
        <statistic>
            <accountType>eCheck</accountType>
            <chargeAmount>200.00</chargeAmount>
            <chargeCount>13</chargeCount>
            <refundAmount>10.00</refundAmount>
            <refundCount>1</refundCount>
            <voidCount>2</voidCount>
            <declineCount>4</declineCount>
            <errorCount>6</errorCount>
            <returnedItemAmount>0.00</returnedItemAmount>
            <returnedItemCount>0</returnedItemCount>
            <correctionNoticeCount>0</correctionNoticeCount>
            <chargeReturnedItemsAmount>0.00</chargeReturnedItemsAmount>
            <chargeReturnedItemsCount>0</chargeReturnedItemsCount>
            <refundReturnedItemsAmount>0.00</refundReturnedItemsAmount>
            <refundReturnedItemsCount>0</refundReturnedItemsCount>
        </statistic>
    </statistics>
</batch>
</batchList>
</getSettledBatchListResponse>
```

Possible errors returned are:

- If the firstSettlementDate is greater than the lastSettlementDate, then the error message is Err\_Invalid\_field: “firstSettlementDate is greater than the lastSettlementDate”

- If the difference between the firstSettlementDate and lastSettlementDate is more than 31 days, then the error message is Err\_Invalid\_field: "The date range cannot exceed 31 days."
- If the firstSettlementDate is older than the allowed firstSettlementDate, then the error is Err\_Invalid\_field: "firstSettlementDate cannot be older than the year of {nn}", where nn is 2 years prior to the current year.
- If only one of firstSettlementDate or lastSettlementDate is specified, the message returned is Err\_Required\_Field: "firstSettlementDate is required when lastSettlementDate is present."; "lastSettlementDate is required when firstSettlementDate is present."
- If no rows are found, then the message returned is "No records found"

## Output Elements for getBatchStatisticsResponse

The following fields are returned by getBatchStatisticsResponse.

**Table 8** : Output fields for getBatchStatisticsResponse

Parameter	Value	Format	Notes
messages	Contains information about the results of the request		
resultCode	Contains additional information about the results of the request	OK Error	
message	Contains more detailed information about the status		
code	The response code that represents the status		For a complete list of message codes and text, see <a href="#">Appendix A, Message Codes</a> .
text	A text description of the status		
batch	Contains information for the batch		
batchid	The batch ID	12345	
settlementTime	Date and time when the batch was settled	YYYY-MM-DDTHH:MM:SS	



**Table 8** : Output fields for getBatchStatisticsResponse (Continued)

Parameter	Value	Format	Notes
settlementState	Status of the batch	settledSuccessfully error	
paymentMethod	creditCard or eCheck		
Statistics			
statistic			
accountType	The card type for this transaction (including eCheck)  Possible values: Visa MasterCard AmericanExpress Discover JCB DinersClub eCheck		A batch will contain either credit card or eCheck statistics, because eCheck transactions go in their own batch.
chargeAmount	The total amount of all debit transactions		
chargeCount	The number of debit transactions		
refundAmount			
refundCount			
voidCount			
declineCount			
errorCount			

**Example** for getBatchStatisticsResponse

```
<?xml version="1.0" encoding="utf-8"?>
<getBatchStatisticsResponse xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns="AnetApi/xml/v1/schema/AnetApiSchema.xsd">
  <messages>
    <resultCode>Ok</resultCode>
    <message>
      <code>I00001</code>
      <text>Successful.</text>
    </message>
  </messages>
  <batch>
    <batchId>24</batchId>
    <settlementTimeUTC>2011-01-13T20:58:33Z</settlementTimeUTC>
    <settlementTimeLocal>2011-01-13T12:58:33</
settlementTimeLocal>
    <settlementState>settledSuccessfully</settlementState>
    <paymentMethod>creditCard</paymentMethod>
    <statistics>
      <statistic>
        <accountType>Visa</accountType>
        <chargeAmount>30.15</chargeAmount>
        <chargeCount>7</chargeCount>
        <refundAmount>0.00</refundAmount>
        <refundCount>0</refundCount>
        <voidCount>0</voidCount>
        <declineCount>0</declineCount>
        <errorCount>0</errorCount>
      </statistic>
    </statistics>
  </batch>
</getBatchStatisticsResponse>
```

## Output Elements for getTransactionListResponse

The following table lists the output fields returned by `getTransactionListResponse`.

**Table 9** : Output parameters for `getTransactionListResponse`

Parameter	Value	Format	Notes
messages	Contains information about the results of the request		
resultCode	Contains additional information about the results of the request	OK Error	
message	Contains more detailed information about the status		
code	The response code that represents the status		For a complete list of message codes and text, see <a href="#">Appendix A, Message Codes</a> .
text	A text description of the status		
transactions	Contains information about all transactions		
transaction	Contains information about one transaction		
transId	The transaction ID		
submitTimeUTC	Date and time the transaction was submitted	YYYY-MM-DDT HH:MM:SS.mmmZ  Example: 2010-08-30T 17:49:20.757Z	The “T” character separates the date from the time. This field returns the time as Universal Time (UTC)
submitTimeLocal	Date and time the transaction was submitted	YYYY-MM-DDT HH:MM:SS.mmm  Example: 2010-08-30T 10:49:20.757	The “T” character separates the date from the time. This field returns the time in the merchant’s local time zone as set in the Merchant Interface.

**Table 9 :** Output parameters for getTransactionListResponse (Continued)

Parameter	Value	Format	Notes
transactionStatus	The status of the transaction	authorizedPendingCapture capturedPendingSettlement communicationError refundSettledSuccessfully refundPendingSettlement approvedReview declined couldNotVoid expired generalError pendingFinalSettlement pendingSettlement failedReview settledSuccessfully settlementError underReview updatingSettlement voided FDSPendingReview FDSAuthorizedPendingReview returnedItem chargeback chargebackReversal authorizedPendingRelease	
invoiceNumber	The invoice number for the transaction		This field is optional.
firstName			
lastName			
accountType	The card type for this transaction (including eCheck)	Visa MasterCard AmericanExpress Discover JCB DinersClubeCheck eCheck	
accountNumber	The account number for this transaction	XXXXnnnn	
settleAmount	The amount that was submitted for settlement.		

**Example response from getTransactionListResponse**

```
<?xml version="1.0" encoding="utf-8"?>
<getTransactionListResponse xmlns="AnetApi/xml/v1/schema/
AnetApiSchema.xsd">
  <messages>
    <resultCode>Ok</resultCode>
    <message>
      <code>I00001</code>
      <text>Successful.</text>
    </message>
  </messages>
  <transactions>
    <transaction>
      <transId>12345</transId>
      <submitTimeUTC>2009-05-30T09:00:00</submitTimeUTC>
      <submitTimeLocal>2009-05-30T04:00:00</submitTimeLocal>
      <transactionStatus>settledSuccessfully</transactionStatus>
      <invoice>INV00001</invoice>
      <firstName>John</firstName>
      <lastName>Doe</lastName>
      <amount>2.00</amount>
      <accountType>Visa</accountType>
      <accountNumber>XXXX1111</accountNumber>
    </transaction>
    <transaction>
      <transId>12345</transId>
      <submitTimeUTC>2009-05-30T09:00:00</submitTimeUTC>
      <submitTimeLocal>2009-05-30T04:00:00</submitTimeLocal>
      <transactionStatus>settledSuccessfully</transactionStatus>
      <invoice>INV00001</invoice>
      <firstName>John</firstName>
      <lastName>Doe</lastName>
      <amount>2.00</amount>
      <accountType>Visa</accountType>
      <accountNumber>XXXX1111</accountNumber>
    </transaction>
  </transactions>
</getTransactionListResponse>
```

## Output Elements for getUnsettledTransactionListResponse

A call to getUnsettledTransactionList returns the same fields as getTransactionListResponse. For a list of these fields, see [Output Elements for getTransactionListResponse](#) on page 22

## Output Elements for getTransactionDetailsResponse

The following table shows fields returned in getTransactionDetailsResponse.

**Table 10** Fields returned in getTransactionDetailsResponse

ELEMENT	VALUE	FORMAT	NOTES
resultCode	Contains information about the status of the request	OK Error	
messages	Contains information about the results of the request		
resultCode	Contains information about the status of the request	OK Error	
message	Contains the result code and text.		
code	The response code that represents the status		For a complete listing of message codes and text, see <a href="#">Appendix A, Message Codes</a> .
text	A text description of the status		
transaction	Contains information about the transaction		
transId	The transaction ID		
refTransID	The transaction ID of the original transaction		This only appears for linked credits (transaction type refundTransaction)
splitTenderId	Identifies the split tender order, if applicable		This only appears for transactions that are part of a larger partial authorization order.

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
submitTimeUTC	Date and time the transaction was submitted	YYYY-MM-DDT HH:MM:SS.mmmZ  Example: 2010-08-30T 17:49:20.757Z	The "T" character separates the date from the time. This field returns the time as Universal Time (UTC)
submitTimeLocal	Date and time the transaction was submitted	YYYY-MM-DDT HH:MM:SS.mmm  Example: 2010-08-30T 10:49:20.757	The "T" character separates the date from the time. This field returns the time in the merchant's local time zone as set in the Merchant Interface.
transactionType	The type of transaction that was originally submitted	authCaptureTransaction, authOnlyTransaction, captureOnlyTransaction, refundTransaction	
transactionStatus	The status of the transaction	authorizedPendingCapture capturedPendingSettlement communicationError refundSettledSuccessfully refundPendingSettlement approvedReview declined couldNotVoid expired generalError pendingFinalSettlement pendingSettlement failedReview settledSuccessfully settlementError underReview updatingSettlement voided FDSPendingReview FDSAuthorizedPendingReview returnedItem chargeback chargebackReversal authorizedPendingRelease	
responseCode	The overall status of the transaction	1 = Approved 2 = Declined 3 = Error 4 = Held for Review	

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
responseReason Code	A code that represents more details about the result of the transaction	Numeric	See the <a href="#">Response Code Details</a> section of this document for a listing of response reason codes.
responseReason Description	A brief description of the result, which corresponds with the response reason code	Text	See the <a href="#">Response Code Details</a> section of this document for a listing of response reason codes.
authCode	The authorization or approval code	6 characters	
AVSResponse	Response from the AVS security check	A = Address (Street) matches, ZIP does not B = Address information not provided for AVS check E = AVS error G = Non-U.S. Card Issuing Bank N = No Match on Address (Street) or ZIP P = AVS not applicable for this transaction R = Retry — System unavailable or timed out S = Service not supported by issuer U = Address information is unavailable W = Nine digit ZIP matches, Address (Street) does not X = Address (Street) and nine digit ZIP match Y = Address (Street) and five digit ZIP match Z = Five digit ZIP matches, Address (Street) does not	Indicates the result of the AVS filter.  For more information about AVS, see the <a href="#">Merchant Integration Guide</a> .
cardCodeResponse	Response from the card code security check	M = Match N = No Match P = Not Processed S = Should have been present U = Issuer unable to process request	Indicates the result of the CCV filter.  For more information about CCV, see the <a href="#">Merchant Integration Guide</a> .



**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
CAVVResponse	The cardholder authentication verification response code	Blank or not present = CAVV not validated 0 = CAVV not validated because erroneous data was submitted 1 = CAVV failed validation 2 = CAVV passed validation 3 = CAVV validation could not be performed; issuer attempt incomplete 4 = CAVV validation could not be performed; issuer system error 5 = Reserved for future use 6 = Reserved for future use 7 = CAVV attempt — failed validation — issuer available (U.S.-issued card/non-U.S. acquirer) 8 = CAVV attempt — passed validation — issuer available (U.S.-issued card/non-U.S. acquirer) 9 = CAVV attempt — failed validation — issuer unavailable (U.S.-issued card/non-U.S. acquirer) A = CAVV attempt — passed validation — issuer unavailable (U.S.-issued card/non-U.S. acquirer) B = CAVV passed validation, information only, no liability shift	
FDSFilterAction	The action taken for a transaction that triggered one or more of the Advanced Fraud Detection Suite filters.	reject decline hold authAndHold report	
FDSFilters	Contains information for any fraud filters that might have been applied		
FDSFilter	Contains information for one fraud filter		
name	Name of the fraud filter		

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
action	The setting for the filter. FDSFilterAction above will be the most restrictive action setting for all the filters.		
batch	Contains information about the batch if the transaction is settled. This will not be present for unsettled transactions.		
batchId	The batch ID		
settlementTimeUTC	Date and time when the batch was settled	YYYY-MM-DDTHH:MM:SS.mmmZ Example: 2010-08-30T17:49:20.757Z	This field contains the time as Universal Time (UTC).
settlementTimeLocal	Date and time when the batch was settled	YYYY-MM-DDTHH:MM:SS.mmm Example: 2010-08-30T10:49:20.757	This field contains the time in the merchant's local time zone as set in the Merchant Interface.
settlementState	Status of the batch	settledSuccessfully settlementError pendingSettlement	
order	Contains information about the transaction		
invoiceNumber	The invoice number for the transaction		
description	Description of the transaction		
purchaseOrderNumber	The purchase order number for the transaction		
requestedAmount	The amount requested		This will only be present for partial authorization transactions. For other transactions it is not listed because it is always the same as authAmount.

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
authAmount	The amount authorized or refunded		This is the amount submitted in the original authorization request
settleAmount	The amount that was submitted for settlement.		This will be the same as authAmount with the exception of voids, which will show \$0.00, and potentially Prior Auth Capture transactions, which could have an amount less than authAmount. For declined and errored transactions, this will not be \$0.00.
tax	Contains information about any taxes		
amount	Amount of the tax		
name	Name of the tax		
description	Description of the tax		
shipping	Contains shipping information		
amount	Amount charged for shipping		
name	Name of the shipping charges		
description	Description of the shipping charges		
duty	Contains information about any duty that might have been applied		
amount	Amount of duty		
name	Name of the duty		
description	Description of the duty		
lineItems	Contains information about items in this transaction		
line item	Contains information about one item		
itemId	Item ID	Up to 31 characters	The ID assigned to an item.
name	item name	Up to 31 characters	A short description of an item.
description	item description	Up to 255 characters	A detailed description of an item.

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
quantity	item quantity	Up to four decimal places	The number of items sold.
unitPrice	item price (unit cost)	Up to two decimal places	Cost of an item per unit, excluding tax, freight, and duty.
taxable	Indicates whether the item is taxable	true, false	Indicates whether the item is subject to tax.
prepaidBalance Remaining	The amount remaining on the prepaid card at the time of the transaction		This field is provided only for prepaid card transactions.
taxExempt	Indicates whether the item is tax exempt	true or false	
payment	Contains payment information		
creditCard			This section is not returned if payment was by bank account
cardNumber	Credit card number	XXXX1111	
expirationDate	Expiration date	XXXX	
accountType	Type of credit card	Visa MasterCard AmericanExpress Discover JCB DinersClub	
bankAccount			This section is not returned if payment was by credit card
routingNumber	Routing number for the bank	XXXX0000	
accountNumber	Account number, masked	XXXX1111	
nameOnAccount			
echeckType		PPD, WEB, CCD, TEL	
customer	Contains information about the customer		
type	individual, business		

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
id	The merchant-assigned customers ID		
email	The customer's email address		
billTo	Contains the billing address information		
firstName	The first name associated with the customer's billing address		
lastName	The last name associated with the customer's billing address		
company	The company name associated with the customer's billing address		
address	The customer's billing address		
city	The city of the customer's billing address		
state	The state or province of the customer's billing address		
zip	The zip or postal code for the customer's billing address		
country	The country of the customer's billing address		
phoneNumber	The phone number for the customer's billing address		
faxNumber			

**Table 10** Fields returned in getTransactionDetailsResponse (Continued)

ELEMENT	VALUE	FORMAT	NOTES
shipTo	Contains the shipping address information		
firstName	The first name associated with the customer's shipping address		
lastName	The last name associated with the customer's shipping address		
company	The company name associated with the customer's shipping address		
address	The customer's shipping address		
city	The city of the customer's shipping address		
state	The state or province of the customer's billing address		
zip	The zip or postal code for the customer's shipping address		
country	The country of the customer's shipping address		
recurringBilling	Indicates whether or not this is a recurring transaction	true or false	
customerIP	IP address for the customer		This is primarily used in fraud filters.

**Example** output from getTransactionDetailsResponse

```
<?xml version="1.0" encoding="utf-8"?>
<getTransactionDetailsResponse xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns="AnetApi/xml/v1/schema/AnetApiSchema.xsd">
  <messages>
    <resultCode>Ok</resultCode>
    <message>
      <code>I00001</code>
      <text>Successful.</text>
    </message>
  </messages>
  <transaction>
    <transId>12345</transId>
    <refTransId>12345</refTransId>
    <splitTenderId>12345</splitTenderId>
    <submitTimeUTC>2010-08-30T17:49:20.757Z</submitTimeUTC>
    <submitTimeLocal>2010-08-30T13:49:20.757</submitTimeLocal>
    <transactionType>authOnlyTransaction</transactionType>
    <transactionStatus>settledSuccessfully</transactionStatus>
    <responseCode>1</responseCode>
    <responseReasonCode>1</responseReasonCode>
    <responseReasonDescription> Approval</responseReasonDescription>
    <authCode>000000</authCode>
    <AVSResponse>X</AVSResponse>
    <cardCodeResponse>M</cardCodeResponse>
    <CAVVResponse>2</CAVVResponse>
    <FDSFilterAction>authAndHold</FDSFilterAction>
    <FDSFilters>
      <FDSFilter>
        <name>Hourly Velocity Filter</name>
        <action>authAndHold</action>
      </FDSFilter>
      <FDSFilter>
        <name>Amount Filter</name>
        <action>report</action>
      </FDSFilter>
    </FDSFilters>
    <batch>
      <batchId>12345</batchId>
      <settlementTimeUTC>2010-08-30T17:49:20.757Z</settlementTimeUTC>
      <settlementTimeLocal>2010-08-30T13:49:20.757</settlementTimeLocal>
      <settlementState>settledSuccessfully</settlementState>
    </batch>
  </transaction>
</getTransactionDetailsResponse>
```

```
<order>
  <invoiceNumber>INV00001</invoiceNumber>
  <description>some description</description>
  <purchaseOrderNumber>P0000001</purchaseOrderNumber>
</order>
<requestedAmount>5.00</requestedAmount>
<authAmount>2.00</authAmount>
<settleAmount>2.00</settleAmount>
<tax>
  <amount>1.00</amount>
  <name>WA state sales tax</name>
  <description>Washington state sales tax</description>
</tax>
<shipping>
  <amount>2.00</amount>
  <name>ground based shipping</name>
  <description>Ground based 5 to 10 day shipping</description>
</shipping>
<duty>
  <amount>1.00</amount>
</duty>
<lineItems>
  <lineItem>
    <itemId>ITEM00001</itemId>
    <name>name of item sold</name>
    <description>Description of item sold</description>
    <quantity>1</quantity>
    <unitPrice>6.95</unitPrice>
    <taxable>true</taxable>
  </lineItem>
  <lineItem>
    <itemId>ITEM00001</itemId>
    <name>name of item sold</name>
    <description>Description of item sold</description>
    <quantity>1</quantity>
    <unitPrice>6.95</unitPrice>
    <taxable>true</taxable>
  </lineItem>
</lineItems>
<prepaidBalanceRemaining>30.00</prepaidBalanceRemaining>
<taxExempt>false</taxExempt>
<payment>
  <!-- either creditCard or bankAccount will be here -->
```



```
<creditCard>
  <cardNumber>XXXX1111</cardNumber>
  <expirationDate>XXXX</expirationDate>
  <accountType>Visa</accountType>
</creditCard>
<!--<bankAccount>
  <routingNumber>XXXX0000</routingNumber>
  <accountNumber>XXXX0000</accountNumber>
  <nameOnAccount>John Doe</nameOnAccount>
  <echeckType>WEB</echeckType>
</bankAccount-->
</payment>
<customer>
  <type>individual</type>
  <id>ABC00001</id>
  <email>mark@example.com</email>
</customer>
<billTo>
  <firstName>John</firstName>
  <lastName>Doe</lastName>
  <company></company>
  <address>123 Main St.</address>
  <city>Bellevue</city>
  <state>WA</state>
  <zip>98004</zip>
  <country>USA</country>
  <phoneNumber>000-000-0000</phoneNumber>
  <faxNumber></faxNumber>
</billTo>
<shipTo>
  <firstName>John</firstName>
  <lastName>Doe</lastName>
  <company></company>
  <address>123 Main St.</address>
  <city>Bellevue</city>
  <state>WA</state>
  <zip>98004</zip>
  <country>USA</country>
</shipTo>
<recurringBilling>false</recurringBilling>
<customerIP>0.0.0.0</customerIP>
```

```
        </transaction>  
    </getTransactionDetailsResponse>
```

## Appendix A

# Message Codes

The following table describes the message codes and message texts that are returned for each function call. In addition to the information in this document, the Authorize.Net Developer Center at <http://developer.authorize.net/> provides a valuable tool for troubleshooting errors.

- **Code** indicates the overall status of the request. Codes starting with I are informational messages only; codes starting with an E contain an error. This is returned in the `<code>` field of the `<messageTypeMessage>` element.
- **Text** explains the specific reason for the status. This is returned in the `<text>` field of the `<messageTypeMessage>` element.
- **Description** Provides more information about the error code.

**Table 1** Message codes

CODE	TEXT	DESCRIPTION
I00001	Successful	The request was processed successfully.
I00002	The subscription has already been canceled.	The subscription has already been canceled.
I00003	The record has already been deleted.	The record has already been deleted.
I00004	No records found	No records have been found that match your query.
E00001	An error occurred during processing. Please try again.	An unexpected system error occurred while processing this request.
E00002	The content-type specified is not supported.	The only supported content-types are text/xml and application/xml.

**Table 1** Message codes (Continued)

CODE	TEXT	DESCRIPTION
E00003	An error occurred while parsing the XML request.	This is the result of an XML parser error.
E00004	The name of the requested API method is invalid.	The name of the root node of the XML request is the API method being called. It is not valid.
E00005	The transaction key is invalid or not present.	Merchant authentication requires a valid value for transaction key.
E00006	The merchant authentication name is invalid or not present.	Merchant authentication requires a valid value for name.
E00007	User authentication failed due to invalid authentication values.	The name/and or transaction key is invalid.
E00008	User authentication failed. The payment gateway account or user is inactive.	The payment gateway or user account is not currently active.
E00009	The payment gateway account is in Test Mode. The request cannot be processed.	The requested API method cannot be executed while the payment gateway account is in Test Mode.
E00010	User authentication failed. You do not have the appropriate permissions.	The user does not have permission to call the API.
E00011	Access denied. You do not have the appropriate permissions.	The user does not have permission to call the API method.
E00012	A duplicate subscription already exists.	A duplicate of the subscription was already submitted. The duplicate check looks at several fields including payment information, billing information and, specifically for subscriptions, Start Date, Interval and Unit.
E00013	The field is invalid.	One of the field values is not valid.
E00014	A required field is not present.	One of the required fields was not present.
E00015	The field length is invalid.	One of the fields has an invalid length.
E00016	The field type is invalid.	The field type is not valid.

Table 1 Message codes (Continued)

CODE	TEXT	DESCRIPTION
E00017	The start date cannot occur in the past.	<p>The subscription start date cannot occur before the subscription submission date.</p> <hr/> <p><b>Note</b> Validation is performed against local server time, which is Mountain Time.</p> <hr/>
E00018	The credit card expires before the subscription start date.	The credit card is not valid as of the start date of the subscription.
E00019	The customer tax ID or driver's license information is required.	The customer tax ID or driver's license information (driver's license number, driver's license state, driver's license DOB) is required for the subscription.
E00020	The payment gateway account is not enabled for eCheck.Net subscriptions.	This payment gateway account is not set up to process eCheck.Net subscriptions.
E00021	The payment gateway account is not enabled for credit card subscriptions.	This payment gateway account is not set up to process credit card subscriptions.
E00022	The interval length cannot exceed 365 days or 12 months.	The interval length must be 7 to 365 days or 1 to 12 months.
E00024	Trial occurrences is required when the trial amount is specified.	The number of trial occurrences cannot be zero if a valid trial amount is submitted.
E00025	Automated Recurring Billing is not enabled.	The payment gateway account is not enabled for Automated Recurring Billing.
E00026	Both trial smount and trial occurrences are required.	If either a trial amount or number of trial occurrences is specified then values for both must be submitted.
E00027	The test transaction was unsuccessful.	An approval was not returned for the test transaction.
E00028	The trial occurrences must be less than total occurrences.	The number of trial occurrences specified must be less than the number of total occurrences specified.

**Table 1** Message codes (Continued)

CODE	TEXT	DESCRIPTION
E00029	Payment information is required.	Payment information is required when creating a subscription.
E00030	A payment schedule is required.	A payment schedule is required when creating a subscription.
E00031	The amount is required.	The subscription amount is required when creating a subscription.
E00032	The start date is required.	The subscription start date is required to create a subscription.
E00033	The subscription Start Date cannot be changed.	Once a subscription is created the Start Date cannot be changed.
E00034	The interval information cannot be changed.	Once a subscription is created the subscription interval cannot be changed.
E00035	The subscription cannot be found.	The subscription ID for this request is not valid for this merchant.
E00036	The payment type cannot be changed.	Changing the subscription payment type between credit card and eCheck.Net is not currently supported.
E00037	The subscription cannot be updated.	Subscriptions that are expired, canceled or terminated cannot be updated.
E00038	The subscription cannot be canceled.	Subscriptions that are expired or terminated cannot be canceled.
E00045	The root node does not reference a valid XML namespace.	An error exists in the XML namespace. This error is similar to E00003.

## Appendix B

# Reason Response Codes

## Response Code Details

The following tables describe the response codes and response reason texts that are returned for each transaction. In addition to the information in this document, the Authorize.Net Integration Center at <http://developer.authorize.net/tools/responsereasoncode> provides a valuable tool for troubleshooting errors.

**Response Code** indicates the overall status of the transaction with possible values of approved, declined, errored, or held for review.

**Response Reason Code** is a numeric representation of a more specific reason for the transaction status.

**Response Reason Text** details the specific reason for the transaction status. This information can be returned to the merchant and/or customer to provide more information about the status of the transaction.

## Response Codes

RESPONSE CODE	DESCRIPTION
1	This transaction has been approved.
2	This transaction has been declined.
3	There has been an error processing this transaction.
4	This transaction is being held for review.

## Response Reason Codes and Response Reason Text

Response reason codes and response reason text

Response Code	Response Reason Code	Response Reason Text	Notes
1	1	This transaction has been approved.	
2	2	This transaction has been declined.	
2	3	This transaction has been declined.	
2	4	This transaction has been declined.	The code returned from the processor indicating that the card used needs to be picked up.
3	5	A valid amount is required.	The value submitted in the amount field did not pass validation for a number.
3	6	The credit card number is invalid.	
3	7	The credit card expiration date is invalid.	The format of the date submitted was incorrect.
3	8	The credit card has expired.	
3	9	The ABA code is invalid.	The value submitted in the x_bank_aba_code field did not pass validation or was not for a valid financial institution.
3	10	The account number is invalid.	The value submitted in the x_bank_acct_num field did not pass validation.
3	11	A duplicate transaction has been submitted.	A transaction with identical amount and credit card information was submitted two minutes prior.
3	12	An authorization code is required but not present.	A transaction that required x_auth_code to be present was submitted without a value.
3	13	The merchant API Login ID is invalid or the account is inactive.	



## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	14	The Referrer or Relay Response URL is invalid.	The Relay Response or Referrer URL does not match the merchant's configured value(s) or is absent. Applicable only to SIM and WebLink APIs.
3	15	The transaction ID is invalid.	The transaction ID value is non-numeric or was not present for a transaction that requires it (i.e., VOID, PRIOR_AUTH_CAPTURE, and CREDIT).
3	16	The transaction was not found.	The transaction ID sent in was properly formatted but the gateway had no record of the transaction.
3	17	The merchant does not accept this type of credit card.	The merchant was not configured to accept the credit card submitted in the transaction.
3	18	ACH transactions are not accepted by this merchant.	The merchant does not accept electronic checks.
3	19 - 23	An error occurred during processing. Please try again in 5 minutes.	
3	24	The Nova Bank Number or Terminal ID is incorrect. Call Merchant Service Provider.	
3	25 - 26	An error occurred during processing. Please try again in 5 minutes.	
2	27	The transaction resulted in an AVS mismatch. The address provided does not match billing address of cardholder.	
2	28	The merchant does not accept this type of credit card.	The Merchant ID at the processor was not configured to accept this card type.
2	29	The Paymentech identification numbers are incorrect. Call Merchant Service Provider.	
2	30	The configuration with the processor is invalid. Call Merchant Service Provider.	

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	31	The FDC Merchant ID or Terminal ID is incorrect. Call Merchant Service Provider.	The merchant was incorrectly set up at the processor.
3	32	This reason code is reserved or not applicable to this API.	
3	33	<i>FIELD</i> cannot be left blank.	The word <i>FIELD</i> represents an actual field name. This error indicates that a field the merchant specified as required was not filled in. Please see the Form Fields section of the Merchant Integration Guide for details.
2	34	The VITAL identification numbers are incorrect. Call Merchant Service Provider.	The merchant was incorrectly set up at the processor.
2	35	An error occurred during processing. Call Merchant Service Provider.	The merchant was incorrectly set up at the processor.
3	36	The authorization was approved, but settlement failed.	
2	37	The credit card number is invalid.	
2	38	The Global Payment System identification numbers are incorrect. Call Merchant Service Provider.	The merchant was incorrectly set up at the processor.
3	40	This transaction must be encrypted.	
2	41	This transaction has been declined.	Only merchants set up for the FraudScreen.Net service would receive this decline. This code will be returned if a given transaction's fraud score is higher than the threshold set by the merchant.
3	43	The merchant was incorrectly set up at the processor. Call your Merchant Service Provider.	The merchant was incorrectly set up at the processor.
2	44	This transaction has been declined.	The card code submitted with the transaction did not match the card code on file at the card issuing bank and the transaction was declined.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	45	This transaction has been declined.	This error would be returned if the transaction received a code from the processor that matched the rejection criteria set by the merchant for both the AVS and Card Code filters.
3	46	Your session has expired or does not exist. You must log in to continue working.	
3	47	The amount requested for settlement may not be greater than the original amount authorized.	This occurs if the merchant tries to capture funds greater than the amount of the original authorization-only transaction.
3	48	This processor does not accept partial reversals.	The merchant attempted to settle for less than the originally authorized amount.
3	49	A transaction amount greater than \$[amount] will not be accepted.	The transaction amount submitted was greater than the maximum amount allowed.
3	50	This transaction is awaiting settlement and cannot be refunded.	Credits or refunds can only be performed against settled transactions. The transaction against which the credit/refund was submitted has not been settled, so a credit cannot be issued.
3	51	The sum of all credits against this transaction is greater than the original transaction amount.	
3	52	The transaction was authorized, but the client could not be notified; the transaction will not be settled.	
3	53	The transaction type was invalid for ACH transactions.	If x_method = ECHECK, x_type cannot be set to CAPTURE_ONLY.
3	54	The referenced transaction does not meet the criteria for issuing a credit.	
3	55	The sum of credits against the referenced transaction would exceed the original debit amount.	The transaction is rejected if the sum of this credit and prior credits exceeds the original debit amount

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	56	This merchant accepts ACH transactions only; no credit card transactions are accepted.	The merchant processes eCheck.Net transactions only and does not accept credit cards.
3	57 - 63	An error occurred in processing. Please try again in 5 minutes.	
2	65	This transaction has been declined.	Authorization with the card issuer was successful, but the transaction was declined due to a card code mismatch with the card code on file with the card issuing bank. This is based on the settings in the Merchant Interface.
3	66	This transaction cannot be accepted for processing.	The transaction did not meet gateway security guidelines.
3	68	The version parameter is invalid.	The value submitted in x_version was invalid.
3	69	The transaction type is invalid.	The value submitted in x_type was invalid.
3	70	The transaction method is invalid.	The value submitted in x_method was invalid.
3	71	The bank account type is invalid.	The value submitted in x_bank_acct_type was invalid.
3	72	The authorization code is invalid.	The value submitted in x_auth_code was more than six characters in length.
3	73	The driver's license date of birth is invalid.	The format of the value submitted in x_drivers_license_dob was invalid.
3	74	The duty amount is invalid.	The value submitted in x_duty failed format validation.
3	75	The freight amount is invalid.	The value submitted in x_freight failed format validation.
3	76	The tax amount is invalid.	The value submitted in x_tax failed format validation.
3	77	The SSN or tax ID is invalid.	The value submitted in x_customer_tax_id failed validation.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	78	The Card Code (CVV2/CVC2/CID) is invalid.	The value submitted in x_card_code failed format validation.
3	79	The driver's license number is invalid.	The value submitted in x_drivers_license_num failed format validation.
3	80	The driver's license state is invalid.	The value submitted in x_drivers_license_state failed format validation.
3	81	The requested form type is invalid.	The merchant requested an integration method not compatible with the AIM API.
3	82	Scripts are only supported in version 2.5.	The system no longer supports version 2.5; requests cannot be posted to scripts.
3	83	The requested script is either invalid or no longer supported.	The system no longer supports version 2.5; requests cannot be posted to scripts.
3	84	This reason code is reserved or not applicable to this API.	
3	85	This reason code is reserved or not applicable to this API.	
3	86	This reason code is reserved or not applicable to this API.	
3	87	This reason code is reserved or not applicable to this API.	
3	88	This reason code is reserved or not applicable to this API.	
3	89	This reason code is reserved or not applicable to this API.	
3	90	This reason code is reserved or not applicable to this API.	
3	91	Version 2.5 is no longer supported.	
3	92	The gateway no longer supports the requested method of integration.	

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	97	This transaction cannot be accepted.	Applicable only to SIM API. Fingerprints are only valid for a short period of time. If the fingerprint is more than one hour old or more than 15 minutes into the future, it will be rejected. This code indicates that the transaction fingerprint has expired.
3	98	This transaction cannot be accepted.	Applicable only to SIM API. The transaction fingerprint has already been used.
3	99	This transaction cannot be accepted.	Applicable only to SIM API. The server-generated fingerprint does not match the merchant-specified fingerprint in the x_fp_hash field.
3	100	The eCheck.Net type is invalid.	Applicable only to eCheck.Net. The value specified in the x_echeck_type field is invalid.
3	101	The given name on the account and/or the account type does not match the actual account.	Applicable only to eCheck.Net. The specified name on the account and/or the account type do not match the NOC record for this account.
3	102	This request cannot be accepted.	A password or Transaction Key was submitted with this WebLink request. This is a high security risk.
3	103	This transaction cannot be accepted.	A valid fingerprint, Transaction Key, or password is required for this transaction.
3	104	This transaction is currently under review.	Applicable only to eCheck.Net. The value submitted for country failed validation.
3	105	This transaction is currently under review.	Applicable only to eCheck.Net. The values submitted for city and country failed validation.
3	106	This transaction is currently under review.	Applicable only to eCheck.Net. The value submitted for company failed validation.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	107	This transaction is currently under review.	Applicable only to eCheck.Net. The value submitted for bank account name failed validation.
3	108	This transaction is currently under review.	Applicable only to eCheck.Net. The values submitted for first name and last name failed validation.
3	109	This transaction is currently under review.	Applicable only to eCheck.Net. The values submitted for first name and last name failed validation.
3	110	This transaction is currently under review.	Applicable only to eCheck.Net. The value submitted for bank account name does not contain valid characters.
3	116	The authentication indicator is invalid. Please contact cardholder authentication provider for resolution.	This error is only applicable to Verified by Visa and MasterCard SecureCode transactions. The ECI value for a Visa transaction; or the UCAF indicator for a MasterCard transaction submitted in the x_authentication_indicator field is invalid.
3	117	The cardholder authentication value is invalid. Please contact cardholder authentication provider for resolution.	This error is only applicable to Verified by Visa and MasterCard SecureCode transactions. The CAVV for a Visa transaction; or the AVVV/ UCAF for a MasterCard transaction is invalid.
3	118	The combination of authentication indicator and cardholder authentication value is invalid. Please contact cardholder authentication provider for resolution.	This error is only applicable to Verified by Visa and MasterCard SecureCode transactions. The combination of authentication indicator and cardholder authentication value for a Visa or MasterCard transaction is invalid.
3	119	Transactions having cardholder authentication values cannot be marked as recurring.	This error is only applicable to Verified by Visa and MasterCard SecureCode transactions. Transactions submitted with a value in x_authentication_indicator and x_recurring_billing=YES will be rejected.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	120	An error occurred during processing. Please try again.	The system-generated void for the original timed-out transaction failed. (The original transaction timed out while waiting for a response from the authorizer.)
3	121	An error occurred during processing. Please try again.	The system-generated void for the original errored transaction failed. (The original transaction experienced a database error.)
3	122	An error occurred during processing. Please try again.	The system-generated void for the original errored transaction failed. (The original transaction experienced a processing error.)
3	123	This account has not been given the permission(s) required for this request.	The transaction request must include the API Login ID associated with the payment gateway account.
2	127	The transaction resulted in an AVS mismatch. The address provided does not match billing address of cardholder.	The system-generated void for the original AVS-rejected transaction failed.
3	128	This transaction cannot be processed.	The customer's financial institution does not currently allow transactions for this account.
3	130	This payment gateway account has been closed.	IFT: The payment gateway account status is Blacklisted.
3	131	This transaction cannot be accepted at this time.	IFT: The payment gateway account status is Suspended-STA.
3	132	This transaction cannot be accepted at this time.	IFT: The payment gateway account status is Suspended-Blacklist.
2	141	This transaction has been declined.	The system-generated void for the original FraudScreen-rejected transaction failed.
2	145	This transaction has been declined.	The system-generated void for the original card code-rejected and AVS-rejected transaction failed.



## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	152	The transaction was authorized, but the client could not be notified; the transaction will not be settled.	The system-generated void for the original transaction failed. The response for the original transaction could not be communicated to the client.
2	165	This transaction has been declined.	The system-generated void for the original card code-rejected transaction failed.
3	170	An error occurred during processing. Please contact the merchant.	Concord EFS – Provisioning at the processor has not been completed.
2	171	An error occurred during processing. Please contact the merchant.	Concord EFS – This request is invalid.
2	172	An error occurred during processing. Please contact the merchant.	Concord EFS – The store ID is invalid.
3	173	An error occurred during processing. Please contact the merchant.	Concord EFS – The store key is invalid.
2	174	The transaction type is invalid. Please contact the merchant.	Concord EFS – This transaction type is not accepted by the processor.
3	175	The processor does not allow voiding of credits.	Concord EFS – This transaction is not allowed. The Concord EFS processing platform does not support voiding credit transactions. Please debit the credit card instead of voiding the credit.
3	180	An error occurred during processing. Please try again.	The processor response format is invalid.
3	181	An error occurred during processing. Please try again.	The system-generated void for the original invalid transaction failed. (The original transaction included an invalid processor response format.)
3	185	This reason code is reserved or not applicable to this API.	
4	193	The transaction is currently under review.	The transaction was placed under review by the risk management system.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	200	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The credit card number is invalid.
2	201	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The expiration date is invalid.
2	202	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The transaction type is invalid.
2	203	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The value submitted in the amount field is invalid.
2	204	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The department code is invalid.
2	205	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The value submitted in the merchant number field is invalid.
2	206	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The merchant is not on file.
2	207	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The merchant account is closed.
2	208	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The merchant is not on file.
2	209	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. Communication with the processor could not be established.
2	210	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The merchant type is incorrect.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	211	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The cardholder is not on file.
2	212	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The bank configuration is not on file
2	213	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The merchant assessment code is incorrect.
2	214	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. This function is currently unavailable.
2	215	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The encrypted PIN field format is invalid.
2	216	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The ATM term ID is invalid.
2	217	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. This transaction experienced a general message format problem.
2	218	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The PIN block format or PIN availability value is invalid.
2	219	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The ETC void is unmatched.
2	220	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The primary CPU is not available.
2	221	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. The SE number is invalid.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	222	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. Duplicate auth request (from INAS).
2	223	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. This transaction experienced an unspecified error.
2	224	This transaction has been declined.	This error code applies only to merchants on FDC Omaha. Please re-enter the transaction.
3	243	Recurring billing is not allowed for this eCheck.Net type.	The combination of values submitted for x_recurring_billing and x_echeck_type is not allowed.
3	244	This eCheck.Net type is not allowed for this Bank Account Type.	The combination of values submitted for x_bank_acct_type and x_echeck_type is not allowed.
3	245	This eCheck.Net type is not allowed when using the payment gateway hosted payment form.	The value submitted for x_echeck_type is not allowed when using the payment gateway hosted payment form.
3	246	This eCheck.Net type is not allowed.	The merchant's payment gateway account is not enabled to submit the eCheck.Net type.
3	247	This eCheck.Net type is not allowed.	The combination of values submitted for x_type and x_echeck_type is not allowed.
3	248	The check number is invalid.	Invalid check number. Check number can only consist of letters and numbers and not more than 15 characters.
2	250	This transaction has been declined.	This transaction was submitted from a blocked IP address.
2	251	This transaction has been declined.	The transaction was declined as a result of triggering a Fraud Detection Suite filter.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
4	252	Your order has been received. Thank you for your business!	The transaction was accepted, but is being held for merchant review. The merchant can customize the customer response in the Merchant Interface.
4	253	Your order has been received. Thank you for your business!	The transaction was accepted and was authorized, but is being held for merchant review. The merchant can customize the customer response in the Merchant Interface.
2	254	Your transaction has been declined.	The transaction was declined after manual review.
3	261	An error occurred during processing. Please try again.	The transaction experienced an error during sensitive data encryption and was not processed. Please try again.
3	270	The line item [item number] is invalid.	A value submitted in x_line_item for the item referenced is invalid.
3	271	The number of line items submitted is not allowed. A maximum of 30 line items can be submitted.	The number of line items submitted exceeds the allowed maximum of 30.
3	288	Merchant is not registered as a Cardholder Authentication participant. This transaction cannot be accepted.	The merchant has not indicated participation in any Cardholder Authentication Programs in the Merchant Interface.
3	289	This processor does not accept zero dollar authorization for this card type.	Your credit card processing service does not yet accept zero dollar authorizations for Visa credit cards. You can find your credit card processor listed on your merchant profile.
3	290	One or more required AVS values for zero dollar authorization were not submitted.	When submitting authorization requests for Visa, the address and zip code fields must be entered.
4	295	The amount of this request was only partially approved on the given prepaid card. Additional payments are required to complete the balance of this transaction.	

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
3	296	The specified SplitTenderId is not valid.	
3	297	A Transaction ID and a Split Tender ID cannot both be used in a single transaction request.	
3	300	The device ID is invalid.	The value submitted for x_device_id is invalid.
3	301	The device batch ID is invalid.	The value submitted for x_device_batch_id is invalid.
3	302	The reversal flag is invalid.	The value submitted for x_reversal is invalid.
3	303	The device batch is full. Please close the batch.	The current device batch must be closed manually from the POS device.
3	304	The original transaction is in a closed batch.	The original transaction has been settled and cannot be reversed.
3	305	The merchant is configured for auto-close.	This merchant is configured for auto-close and cannot manually close batches.
3	306	The batch is already closed.	The batch is already closed.
1	307	The reversal was processed successfully.	The reversal was processed successfully.
1	308	Original transaction for reversal not found.	The transaction submitted for reversal was not found.
3	309	The device has been disabled.	The device has been disabled.
1	310	This transaction has already been voided.	This transaction has already been voided.
1	311	This transaction has already been captured	This transaction has already been captured.
2	315	The credit card number is invalid.	This is a processor-issued decline.
2	316	The credit card expiration date is invalid.	This is a processor-issued decline.
2	317	The credit card has expired.	This is a processor-issued decline.

## Response reason codes and response reason text (Continued)

Response Code	Response Reason Code	Response Reason Text	Notes
2	318	A duplicate transaction has been submitted.	This is a processor-issued decline.
2	319	The transaction cannot be found.	This is a processor-issued decline.

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**Note** A helpful tool for troubleshooting errors is available in our Integration Center at <http://developer.authorize.net/tools/responsereasoncode>.

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