



Merchant**Partners**

**Online Commerce Suite™  
XML Integration Guide**



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# Overview

Online Commerce Suite is a Web-based payment gateway that allows you to process secure credit card and electronic check payments for goods and services over the Internet. Using the Online Merchant Center™ web-based administrative user interface, you can configure your Online Commerce Suite account, add users, and manage your e-business. Online Commerce Suite provides a comprehensive set of online and downloadable transaction management and accounting reports.

## What's In This Guide

The Online Commerce Suite XML Integration Guide is designed to assist you with the steps required to process credit card and electronic check transactions via the XML API. XML is just one of many transaction processing methods available in the Online Commerce Suite. For an overview of the integration methods available, please refer to the [Integration Guide](#).

## How to Comment on This Guide

Every effort has been made to produce an accurate and easy to understand the XML Integration Guide.

## Contact Information

For more information about Online Commerce Suite, refer to the following:

### Customer Service

If you have problems with this document, or find that the instructions are incorrect, incomplete, or inadequate, please let us know.

Send your comments to [support@merchantpartners.com](mailto:support@merchantpartners.com)

Phone: (866) 242-9933

### Documentation

Web Site URL: [https://www.onlinemerchantcenter.com/mpartners/html/user\\_manuals.html](https://www.onlinemerchantcenter.com/mpartners/html/user_manuals.html)

### Certified Networks

Web Site URL: <https://www.onlinemerchantcenter.com/mpartners/html/networks.html>

### Hardware Compatible List

Web Site URL: <https://www.onlinemerchantcenter.com/mpartners/html/equipment.html>

### Transaction Processing URL

URL: <https://trans.merchantpartners.com/cgi-bin/ProcessXML.cgi/>

**Transaction Types (XML Actions)**

The following transaction types are available:

<b>Credit Card Transaction</b>	<b>Service Number</b>	<b>Description</b>
Credit Card Pre-Auth	1	A purchase amount is reserved at a card and authorization is needed to withdraw money and finish a payment.
Credit Card Sales	2	A single-step transaction without pre-authorization. Money are just withdrawn from a card.
Credit Card Post Capture	3	The reserved amount was withdrawn after authorization.
Credit Card Refund	4	Issue Credit for the CC (previous transaction required).
Credit Card Void	5	Void a Credit Card Auth or Sale (previous transaction required).
Standalone Credit/Refund	6	Process a Standalone Credit Card Credit.
Credit Card Incremental Authorization	20	This transaction types processes an incremental transaction which only applies to credit card transactions.
Credit Card Pre-Auth Reversal	21	This transaction types processes an authorized reversal which only applies to credit card.
<b>Debit Card Transaction</b>	<b>Service Number</b>	<b>Description</b>
Debit Card	11	Process PIN-Debit Transaction.
Debit Card Return	26	Issue PIN-Debit Return.
<b>ACH Transaction</b>	<b>Service Number</b>	<b>Description</b>
ACH Sale	2	Process a ACH sale.
ACH Credit/Refund	4	Issue Credit for the ACH Sale (previous transaction required).
ACH Void	5	Void a ACH Sale (previous transaction required).
ACH Standalone Credit	6	Process a Standalone ACH Credit.
<b>Check 21 Transaction</b>	<b>Service Number</b>	<b>Description</b>
Check 21 Sale	27	Process a Check21 Sale.
Check 21 Void	28	Process a Check21 Void (previous transaction required).
Check 21 Credit/Refund	29	Process a Check21 Credit (previous transaction required).
<b>3rd Party Check Processing Service Providers</b>	<b>Service Number</b>	<b>Description</b>
Extended ACH Sale	14	Process a Extended ACH Sale.
Extended ACH Consumer Disbursement	15	Process a Standalone Extended ACH Consumer Disbursement.
Extended ACH Credit	16	Process a Extended ACH Credit (previous transaction required).
Extended ACH Void	17	Process a Ext ACH Void (previous transaction required).
<b>Transaction Retrieve</b>	<b>Service Number</b>	<b>Description</b>
Transaction Retrieve	19	Retrieves the transaction results of the last transaction which applies to all transaction types.

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Stored Profile	Service Number	Description
Profile Add	7	Issue Credit Card or ACH Sale using the Stored Profile.
Profile Sale	8	Issue Credit Card or ACH Sale using the Stored Profile.
Profile Update	9	Updates the Stored Profile (ie, card number, expiration dates, etc.).
Profile Delete	10	Deletes the Stored Profile (ie, card number, expiration dates, etc.).
Profile Retrieve	12	Retrieves the account number, address and billing info.
Profile Credit	13	Issue Credit using the Stored Profile.
Profile Import	18	The Online Commerce Suite to Import the Profile. A PreAuth (creditcard) will not be performed.

# Credit Card Transactions

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## Credit Card Pre-Authorization

Fields	Required	Description
transaction name	X	Credit card only
service	X	The 1 instructs Online Commerce Suite to process an AUTH.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)

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email		Consumer email address	
memo		Comments associated to this profile	
ipaddress		Consumers IP address	
merchantordernumber		Customers unique alpha-numeric number	
dlnum		Driver License Number	
ssnum		Social Security Number	
cardpresent		1 indicates the card was present	
dynamicdescriptor		This field will be passed all the way to the Consumers Credit Card statement. This is only available for TSYS.	
cardpresentreader		1 indicates a card reader was present	
industrycode		Industry Code One character value: "H": Hotel	
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop	
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.	
checkindate		The date (yymmdd) that the guest checked in to the hotel	
checkoutdate		The date (yymmdd) that the guest checked out of the hotel	
purchaseid		Hotel Folio number (25 characters alphanumeric)	
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500	
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.	
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.	
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle	
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing	
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.	
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.	
fsa		health care flag	0 is off 1 is on
		rxamount	Qualified amount.



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purchasecardlevel2		pocustmerrefid	Cardholders Customer ID or Reference Number for the Purchase Card.
		taxamount	Total tax charged for the transaction.
		taxexempt	1 = a tax exempt purchase. 0 = a taxable purchase.

**Credit Card Pre-Authorization Sample 1.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>1</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<currencycode></currencycode>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>

```

```
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**Credit Card Sale**

Fields	Required	Description
transaction name	X	credit card and ach (if ach, check name, check ABA, check account is required)
service	X	The 2 instructs Online Commerce Suite to process an SALE.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
ckname		First and Last Name
ckaba		Routing number
ckacct		Account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
voiceauth		Authorization code for Voice Authorization
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center,

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		transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
cardpresent		1 indicates the card was present
dynamicdescriptor		This field will be passed all the way to the Consumers Credit Card statement. This is only available for TSYS.
cardpresentreader		1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		

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		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle	
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing	
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.	
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.	
fsa		health care flag	0 is off 1 is on
		rxamount	Qualified amount.
purchasecardlevel2		pocustomerrefid	Cardholders Customer ID or Reference Number for the Purchase Card.
		taxamount	Total tax charged for the transaction.
		taxexempt	1 = a tax exempt purchase. 0 = a taxable purchase.

**Credit Card Sale Sample 2.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>2</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<currencycode></currencycode>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>

```

```
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**Credit Card Post Capture**

Fields	Required	Description
transaction name	X	Credit card only
service	X	The 3 instructs Online Commerce Suite to process a POST or Capture a previous AUTH transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original AUTH amount if its not defined.
historykeyid	X	The history ID of the AUTH transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

**Credit Card Post Capture Sample 3.1****[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>3</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>POST:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```



## Credit Card Refund

Fields	Required	Description
transaction name	X	Credit card or ach
service	X	The 4 instructs Online Commerce Suite to process a Credit / Refund of a previous Sale transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original Sale amount if its not defined.
historykeyid	X	The history ID of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

### Credit Card Refund Sample 4.1

**[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>4</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>CREDIT:TEST:::126476380:::</result>
<authcode>TEST</authcode>
```

```

<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
    
```

## Credit Card Void

Fields	Required	Description
transaction name	X	Credit card or ach
service	X	The 5 instructs Online Commerce Suite to process a VOID on a previous Sale transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original Sale amount if its not defined.
historykeyid	X	The history ID of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

## Credit Card Void Sample 5.1

### [INPUT]

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>5</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
    
```

```
</transaction>  
</trans_catalog>  
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>  
<trans_catalog>  
<transaction>  
<outputs>  
<status>Approved</status>  
<accountname>John Doe</accountname>  
<result>VOID:TEST:::126476380:::</result>  
<authcode>TEST</authcode>  
<historyid>126476381</historyid>  
<orderid>98452813</orderid>  
<refcode>126476380</refcode>  
<total>9.95</total>  
<merchantordernumber></merchantordernumber>  
<avsresult></avsresult>  
<cvv2result></cvv2result>  
<duplicate>0</duplicate>  
</outputs>  
</transaction>  
</trans_catalog>  
</interface_driver>
```

## Standalone Credit/Refund

Fields	Required	Description
transaction name	X	Credit card and ach (if ach, check name, check ABA, checking account is required)
service	X	The 6 instructs Online Commerce Suite to process any Standalone Credit/Refund.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
ckname		First and Last Name
ckaba		Routing number
ckacct		Account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00.
dynamicdescriptor		This field will be passed all the way to the Consumers Credit Card statement. This is only available for TSYS.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

**Standalone Credit/Refund Sample 6.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>6</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<currencycode></currencycode>
<ipaddress></ipaddress>
<email></email>
<memo></memo>
<merchantpin></merchantpin>
<amount>9.95</amount>
<custom1></custom1>
<custom2></custom2>
<custom3></custom3>
<custom4></custom4>
<custom5></custom5>
<custom6></custom6>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>CREDIT:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## Credit Card Incremental Auth

Fields	Required	Description
transaction name	X	Incremental Auth only
service	X	The 20 instructs Online Commerce Suite to process an AUTH.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number

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ssnum		Social Security Number
cardpresent		1 indicates the card was present
dynamicdescriptor		This field will be passed all the way to the Consumers Credit Card statement. This is only available for TSYS.
cardpresentreader		1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

**Credit Card Incremental Auth Sample 7.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="Incremental Auth">
<inputs>
<service>20</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<currencycode></currencycode>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>

```



```
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**Credit Card Pre-Auth Reversal**

Fields	Required	Description
transaction name	X	Pre-Auth Reversal
service	X	The 21 instructs Online Commerce Suite to process an AUTH.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.

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billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
cardpresent		1 indicates the card was present
cardpresent		1 indicates the card was present
cardpresentreader		1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicatory. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle

		8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

### Credit Card Pre-Auth Reversal Sample 8.1

**[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="Pre-Auth Reversal">
<inputs>
<service>21</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<curencycode></curencycode>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
```

```
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

# Debit Card Transactions

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## Debit Card Sale

Fields	Required	Description
transaction name	X	Debit card only
service	X	The 11 instructs Online Commerce Suite to process Debit.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum		Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon		Expiration month (12) of the consumer credit card.
expyear		Expiration year of the consumers credit card in yyyy format
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata	X	The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
cashbackamount	X	Transaction dollar amount in US dollars in the form of 1.00.
customerid	X	32 byte Encrypted PIN pad data. Includes 16 byte PIN data followed by 6 byte key set and 10 byte PIN Pad Serial number
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
dlnum		Driver License Number
ssnum		Social Security Number
custom1		32 char alphanumeric string for data storage (included in reports)

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custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
cardpresent	X	1 indicates the card was present
cardpresentreader	X	1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicatory. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

**Debit Card Sale Sample 9.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="debitcard">
<inputs>
<service>11</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<currencycode></currencycode>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cashbackamount></cashbackamount>
<customerid></customerid>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>

```

```
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>DEBIT:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**Debit Card Return**

Fields	Required	Description
transaction name	X	Debit card only
service	X	The 26 instructs Online Commerce Suite to process Debit Return.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum		Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon		Expiration month (12) of the consumer credit card.
expyear		Expiration year of the consumers credit card in yyyy format
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata	X	The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.



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cashbackamount		Transaction dollar amount in US dollars in the form of 1.00.
customerid	X	32 byte Encrypted PIN pad data. Includes 16 byte PIN data followed by 6 byte key set and 10 byte PIN Pad Serial number
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
dlnum		Driver License Number
ssnum		Social Security Number
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
cardpresent	X	1 indicates the card was present
cardpresentreader	X	1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle

		<p>4 = Semi-Annual Recurring Billing Cycle                      5 = Annual Recurring Billing Cycle                      6 = Bi-Weekly Recurring Billing Cycle                      7 = Bi-Annual Recurring Billing Cycle                      8 = Quad Weekly (28 day) Recurring Billing Cycle                      9 = One Time Recurring Billing Cycle                      10 = Daily Recurring Billing Cycle                      11 = Bi-Monthly Recurring Billing Cycle</p>
recur_billingmax		<p>Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times.                      -1 = Unlimited number of times                      0 = No Recurring Billing</p>
recur_start		<p>Number of days after an initial payment where the consumer is debited on a recurring cycle.</p>
recur_amount		<p>Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.</p>

### Debit Card Return Sample 9.2

**[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="debitcard">
<inputs>
<service>26</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ccname></ccname>
<ccnum></ccnum>
<expmon></expmon>
<expyear></expyear>
<swipedata></swipedata>
<curencycode></curencycode>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<cashbackamount></cashbackamount>
<customerid></customerid>
<cardpresent></cardpresent>
<cardpresentreader></cardpresentreader>
<industrycode></industrycode>
<chargetypeamx></chargetypeamx>
    
```

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```
<roomrateamx></roomrateamx>
<checkindate></checkindate>
<checkoutdate></checkoutdate>
<purchaseid></purchaseid>
<property></property>
<extracharges></extracharges>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

### [OUTPUT]

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>DEBITRETURN:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

# ACH Transaction

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## ACH Sale

Fields	Required	Description
transaction name	X	credit card and ach (if ach, check name, check ABA, check account is required)
service	X	The 2 instructs Online Commerce Suite to process an SALE.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
ckname		First and Last Name
ckaba		Routing number
ckacct		Account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
ckimagefront	Â	Front image of the check. Maximum of 20K.
ckimageback	Â	Back image of the check. Maximum of 20K.
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.

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shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
cardpresent		1 indicates the card was present
cardpresentreader		1 indicates a card reader was present
industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

**ACH Sale Sample 11.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>2</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<ckname></ckname>
<ckaba></ckaba>
<ckacct></ckacct>
<ckno></ckno>
<cktype></cktype>
<currencycode></currencycode>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>

```

```

<status>Approved</status>
<accountname>John Doe</accountname>
<result>CHECKAUTH:TEST:::126558434::: </result>
<authcode>TEST</authcode>
<historyid>126558434</historyid>
<orderid>98512982</orderid>
<refcode>126558434</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
    
```

## ACH Void

Fields	Required	Description
transaction name	X	ACH only
service	X	The 5 instructs Online Commerce Suite to process a VOID against a previous External ACH Sale/Consumer Disbursement transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
historykeyid	X	The history id of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

## ACH Void Sample 12.1

### [INPUT]

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>5</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
    
```

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```
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

### [OUTPUT]

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHVOID:::13514261:::</result>
<authcode></authcode>
<historyid>135145261</historyid>
<orderid>10455412</orderid>
<refcode>135145261</refcode>
<total></total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

## ACH Credit/Refund

Fields	Required	Description
transaction name	X	Credit card or ach
service	X	The 4 instructs Online Commerce Suite to process a Credit / Refund of a previous Sale transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original Sale amount if its not defined.
historykeyid	X	The history ID of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number



**ACH Credit/Refund Sample 13.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>4</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHREFUND:::13514261:::</result>
<authcode></authcode>
<historyid>135145261</historyid>
<orderid>10455412</orderid>
<refcode>135145261</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

# Check 21 Transactions

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## Check 21 Sales

Fields	Required	Description
transaction name	X	Check 21 only.
service	X	The 27 instructs Online Commerce Suite to process an Check 21 SALE.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ckname	X	First and Last Name
ckaba	X	Routing number
ckacct	X	Account number
ckno	X	Check number
ckaccttypedesc	X	One of the following: Personal Checking Personal Savings Business Checking Business Savings
ckaccttype		1 = Checking Account 2 = Savings Account
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
currencycode		Three-letter ISO4217 (refer to Appendix D)
verificationflag		1 = Activate Verification for the supplied info (drivers license number, SSN, phone, check number)
dlnum		Driver License Number
ssnum		Social Security Number
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.

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custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

### Check 21 Sale Sample 14.1

#### [INPUT]

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="check 21">
<inputs>
<service>27</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<currencycode></currencycode>
<ckname></ckname>
<ckaba></ckaba>
<ckacct></ckacct>
<ckno></ckno>
<ckaccttype></ckaccttype>
<cktype></cktype>

```

```

<ckaccttypedesc></ckaccttypedesc>
<cktype></cktype>
<billaddr1></billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<verificationflag></verificationflag>
<ssnum></ssnum>
<dlnum></dlnum>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACH:1104110104:::135128506:::</result>
<authcode></authcode>
<historyid>135128506</historyid>
<orderid>104532348</orderid>
<refcode>135128506</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## Check 21 Void

Fields	Required	Description
transaction name	X	Check 21 only.
service	X	The 28 instructs Online Commerce Suite to process a VOID against a previous Check 21 Sale/Consumer Disbursement transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
historykeyid	X	The history id of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

### Check 21 Void Sample 15.1

**[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="check 21">
<inputs>
<service>28</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHVOID:::13514261:::</result>
<authcode></authcode>
<historyid>135145261</historyid>
<orderid>10455412</orderid>
```

```
<refcode>135145261</refcode>
<total></total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```

## Check 21 Credit/Refund

Fields	Required	Description
transaction name	X	Check 21 only.
service	X	The 29 instructs Online Commerce Suite to process a Credit / Refund of a previous Check 21 Sale transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original Sale amount if its not defined.
historykeyid	X	The history ID of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

## Check 21 Credit/Refund Sample 16.1

### [INPUT]

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="check 21">
<inputs>
<service>29</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
```

```
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>  
<trans_catalog>  
<transaction>  
<outputs>  
<status>Approved</status>  
<accountname>John Doe</accountname>  
<result>EXTACHREFUND::::13514261:::</result>  
<authcode></authcode>  
<historyid>135145261</historyid>  
<orderid>10455412</orderid>  
<refcode>135145261</refcode>  
<total>9.95</total>  
<merchantordernumber></merchantordernumber>  
<avsresult></avsresult>  
<cvv2result></cvv2result>  
<duplicate>0</duplicate>  
</outputs>  
</transaction>  
</trans_catalog>  
</interface_driver>
```

## 3rd Party Check Processing Service Providers

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

### External ACH Sale

Fields	Required	Description
transaction name	X	ACH only
service	X	The 14 instructs Online Commerce Suite to process an Extended ACH SALE.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ckname	X	First and Last Name
ckaba	X	Routing number
ckacct	X	Account number
ckno	X	Check number
ckaccttypedesc	X	One of the following: Personal Checking Personal Savings Business Checking Business Savings
ckaccttype		1 = Checking Account 2 = Savings Account
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
currencycode		Three-letter ISO4217 (refer to Appendix D)
verificationflag		1 = Activate Verification for the supplied info (drivers license number, SSN, phone, check number)
dlnum		Driver License Number
ssnum		Social Security Number
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.



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custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

### External ACH Sale Sample 17.1

**[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>14</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<currencycode></currencycode>
<ckname></ckname>
<ckaba></ckaba>
<ckacct></ckacct>
<ckno></ckno>
<ckaccttype></ckaccttype>
<cktype></cktype>

```

```

<ckaccttypedesc></ckaccttypedesc>
<cktype></cktype>
<billaddr1></billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<verificationflag></verificationflag>
<ssnum></ssnum>
<dlnum></dlnum>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACH:1104110104:::135128506:::</result>
<authcode></authcode>
<historyid>135128506</historyid>
<orderid>104532348</orderid>
<refcode>135128506</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## External ACH Consumer Disbursement

Fields	Required	Description
transaction name	X	ACH only
service	X	The 15 instructs Online Commerce Suite to process an External ACH Consumer Disbursement.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ckname	X	First and Last Name
ckaba	X	Routing number
ckacct	X	Account number
Ckno	X	Check number
ckacctypedesc	X	One of the following: Personal Checking Personal Savings Business Checking Business Savings
ckaccttype		1 = Checking Account 2 = Savings Account
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
currencycode		Three-letter ISO4217 (refer to Appendix D)
dlnum		Driver License Number
ssnum		Social Security Number
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)

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email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax = 6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

### External ACH Consumer Disbursement Sample 18.1

**[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>15</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<merchantpin></merchantpin>
<currencycode></currencycode>
<ckname></ckname>
<ckaba></ckaba>
<ckacct></ckacct>
<ckno></ckno>
<ckaccttype></ckaccttype>
<cktype></cktype>
<ckaccttypedesc></ckaccttypedesc>
<cktype></cktype>
<billaddr1></billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
    
```

```

<billzip></billzip>
<billcountry></billcountry>
<shipaddr1></shipaddr1>
<shipaddr2></shipaddr2>
<shipcity></shipcity>
<shipstate></shipstate>
<shipzip></shipzip>
<shipcountry></shipcountry>
<ipaddress></ipaddress>
<email></email>
<phone></phone>
<ssnum></ssnum>
<dlnum></dlnum>
<memo></memo>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHCREDIT:1104110251:::135128604:::</result>
<authcode></authcode>
<historyid>135128604</historyid>
<orderid>104532440</orderid>
<refcode>135128604</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## External ACH Credit/Refund

Fields	Required	Description
transaction name	X	ACH only
service	X	The 16 instructs Online Commerce Suite to process a Credit / Refund of a previous Extended ACH Sale transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. It will default to original Sale amount if its not defined.
historykeyid	X	The history ID of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

### External ACH Credit/Refund Sample 19.1

**[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>16</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHREFUND:::13514261:::</result>
<authcode></authcode>
```

```

<historyid>135145261</historyid>
<orderid>10455412</orderid>
<refcode>135145261</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
    
```

## External ACH Void

Fields	Required	Description
transaction name	X	ACH only
service	X	The 17 instructs Online Commerce Suite to process a VOID against a previous Extended ACH Sale/Consumer Disbursement transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
historykeyid	X	The history id of the Sale transaction.
orderkeyid	X	The order id of the Sale transaction.
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number

## External ACH Void Sample 20.1

### [INPUT]

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="ach">
<inputs>
<service>17</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<orderkeyid></orderkeyid>
<historykeyid></historykeyid>
<ipaddress></ipaddress>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
    
```

</interface\_driver>

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>EXTACHVOID::::13514261:::</result>
<authcode></authcode>
<historyid>135145261</historyid>
<orderid>10455412</orderid>
<refcode>135145261</refcode>
<total></total>
<merchantordernumber></merchantordernumber>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>
```



# Transaction Retrieve

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## Transaction Retrieve

Fields	Required	Description
transaction name	X	Credit card or ach.
service	X	Service The 19 instructs Online Commerce Suite to Retrieve the last result of the transaction.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
merchantpin	X	The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
ipaddress		Consumers IP address
merchantordernumber	X	Customers unique alpha-numeric number

## Transaction Retrieve Sample 21.1

### [INPUT]

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>19</service>
<acctid>TEST0</acctid>
<subid></subid>
<merchantpin></merchantpin>
<ipaddress></ipaddress>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

### [OUTPUT]

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>POST:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
```

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```
<orderid>98452813</orderid>  
<refcode>126476380</refcode>  
<total>9.95</total>  
<merchantordernumber></merchantordernumber>  
<avsresult></avsresult>  
<cvv2result></cvv2result>  
<duplicate>0</duplicate>  
</outputs>  
</transaction>  
</trans_catalog>  
</interface_driver>
```

# Stored Profile

The following tables describe required and optional data elements that can be **sent** to the Merchant Partners gateway to complete a transaction.

## Profile Add

Fields	Required	Description
transaction name	X	credit card and ach (if ach, check name, check ABA, check account is required)
service	X	The 7 action instructs Online Commerce Suite to add a stored payment method
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname	X	Consumer name as it appears on the credit card.
ccnum	X	Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon	X	Expiration month (12) of the consumer credit card.
expyear	X	Expiration year of the consumers credit card in yyyy format
profileactiontype	X	0 - will validate the credit card with a \$1.00 Authorization. If the Authorization is successful the card will be added to the vault. ACH and EXTACH payment types will only have basic validation performed on them before they are added to the vault. 1 - will run an Authorization of the amount requested. If the Authorization is successful the card will be added to the vault. The action is only allowed for credit cards. 2 - will run a Sale for the amount requested. If the Sale is successful the payment type will be added to the vault. 3 - will import the payment type to the vault and no other transaction will be run. (Note) Not passing or setting this name/value will default to "0".
ckname		First and Last Name
ckaba		Routing number
ckacct		Account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.

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billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

**Profile Add Sample 22.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>7</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername>John Doe</consumername>
<billaddr1>1110 main st</billaddr1>
<billaddr2></billaddr2>
<billcity>Los Angeles</billcity>
<billstate>CA</billstate>
<billzip>90025</billzip>
<billcountry>US</billcountry>
<ipaddress>123.123.123.123</ipaddress>
<email>test@merchantpartners.com</email>
<phone></phone>
<ccname>John Doe</ccname>
<ccnum>5454545454545454</ccnum>
<cctype>Visa</cctype>
<expmon>05</expmon>
<expyear>2010</expyear>
<cvv2></cvv2>
<merchantpin></merchantpin>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476380</historyid>
<orderid>98452812</orderid>
<userprofileid>5860346</userprofileid>
<refcode>126476380</refcode>
<total>1.0</total>
<merchantordernumber></merchantordernumber>
<last4digits>5454</last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>

```

```
</transaction>  
</trans_catalog>  
</interface_driver>
```

## Profile Sale

Fields	Required	Description
transaction name	X	credit card and ach.
service	X	The 8 instructs Online Commerce Suite to process an SALE.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
userprofileid	X	userpofileid of the payment method
last4digits	X	Last 4 digit of account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
cardpresent		1 indicates the card was present
dynamicdescriptor		

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		This field will be passed all the way to the Consumers Credit Card statement. This is only available for TSYS.	
cardpresentreader		1 indicates a card reader was present	
industrycode		Industry Code One character value: "H": Hotel	
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop	
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.	
checkindate		The date (yymmdd) that the guest checked in to the hotel	
checkoutdate		The date (yymmdd) that the guest checked out of the hotel	
purchaseid		Hotel Folio number (25 characters alphanumeric)	
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500	
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.	
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.	
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle	
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing	
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.	
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.	
fsa		health care flag	0 is off 1 is on
		rxamount	Qualified amount.
purchasecardlevel2		pocustmerrefid	Cardholders Customer ID or Reference Number for the Purchase Card.
		taxamount	Total tax charged for the transaction.
		taxexempt	1 = a tax exempt purchase. 0 = a taxable purchase.



**Profile Sale Sample 23.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>8</service>
<acctid>TEST0</acctid>
<subid></subid>
<ipaddress>123.123.123.123</ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<userprofileid>5860346</userprofileid>
<last4digits>5454</last4digits>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<userprofileid>5860346</userprofileid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<last4digits>5454</last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## Profile Update

Fields	Required	Description
transaction name	X	Credit card and ach.
service	X	The 9 instructs Online Commerce Suite to Update a Profile
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
ccname		Consumer name as it appears on the credit card.
ccnum		Consumers credit card number. Do not include spaces. If the 3DES encryption option has been enabled on the account, this value must be encrypted using the 3DES key assigned to the Account ID. Use the FRISK Configuration Options menu in the Online Merchant Center to view and configure the 3DES encryption option.
expmon		Expiration month (12) of the consumer credit card.
expyear		Expiration year of the consumers credit card in yyyy format
userprofileid	X	userprofileid of the payment method
last4digits	X	last4digits = Last 4 digit of account number.
ckname		First and Last Name
ckaba		Routing number
ckacct		Account number
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)

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custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number

## Profile Update Sample 24.1

### [INPUT]

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>9</service>
<acctid>TEST0</acctid>
<subid></subid>
<consumername></consumername>
<billaddr1>1111 main st</billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate> </billstate>
<billzip></billzip>
<billcountry> </billcountry>
<ipaddress>123.123.123.123</ipaddress>
<email></email>
<phone></phone>
<userprofileid>5860346</userprofileid>
<last4digits>5454<last4digits>
<ccname></ccname>
<ccnum></ccnum>
<cctype> </cctype>
<expmon></expmon>
<expyear></expyear>
<merchantpin></merchantpin>
<amount></amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

### [OUTPUT]

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<userprofileid>5860346</userprofileid>
<refcode>126476380</refcode>
<total>1.0</total>
<merchantordernumber></merchantordernumber>
<last4digits>5454</last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
```

```
</outputs>  
</transaction>  
</trans_catalog>  
</interface_driver>
```

## Profile Delete

Fields	Required	Description
transaction name	X	Credit card and ach.
service	X	The 10 instructs Online Commerce Suite to delete a Profile.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
userprofileid	X	userprofileid of the payment method that needs update.
last4digits	X	Last 4 digit of account number.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED

### Profile Delete Sample 25.1

**[INPUT]**

```
<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>10</service>
<acctid>TEST0</acctid>
<subid></subid>
<userprofileid>5860346</userprofileid>
<last4digits>5454</last4digits>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>
```

**[OUTPUT]**

```
<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname></accountname>
<result> PROFILEDELETE:Success:::0:::</result>
<authcode></authcode>
<historyid>0</historyid>
<orderid>0</orderid>
<userprofileid></userprofileid>
<refcode></refcode>
<total>0.00</total>
<merchantordernumber></merchantordernumber>
<last4digits></last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
```

```
<duplicate>0</duplicate>  
</outputs>  
</transaction>  
</trans_catalog>  
</interface_driver>
```

## Profile Retrieve

Fields	Required	Description
transaction name	X	Credit card and ach.
service	X	The 12 instructs the Online Commerce Suite to Retrieve the CC or ACH account numbers along with billing address.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
userprofileid	X	userprofileid of the payment method that needs update.
last4digits	X	Last 4 digit of account number.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED



**Profile Retrieve Sample 26.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>12</service>
<acctid>TEST0</acctid>
<subid></subid>
<userprofileid>5860346</userprofileid>
<last4digits>5454</last4digits>
<merchantpin>testpin</merchantpin>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname></accountname>
<result> PROFILERETRIEVE:Success:::0:::</result>
<authcode></authcode>
<historyid>0</historyid>
<orderid>0</orderid>
<userprofileid></userprofileid>
<refcode></refcode>
<total>0.00</total>
<merchantordernumber></merchantordernumber>
<last4digits></last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
<ccnum_decrypt>5454545454545454</ccnum_decrypt>
<expdate_decrypt>03/2009</expdate_decrypt>
<billaddr1></billaddr1>
<billaddr2></billaddr2>
<billcity></billcity>
<billstate></billstate>
<billzip></billzip>
<billcountry></billcountry>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## Profile Credit

Fields	Required	Description
transaction name	X	Credit card and ach.
service	X	The 13 instructs Online Commerce Suite to process a Credit.
acctid	X	Five character alphanumeric Account ID assigned to the merchant. Use TEST0 for testing if you do not have an Account ID. Change to your Account ID for live transaction processing.
subid		Merchant Sub ID. If unsure whether you have one, leave blank.
userprofileid	X	userpofileid of the payment method
last4digits	X	Last 4 digit of account number.
ckno		Check number
cktype		SEC code for transaction (WEB, POP, ARC, PPD, ICL, RCK, BOC, TEL)
cvv2		Credit card cvv2/cvc2 code
currencycode		Three-letter ISO4217 (refer to Appendix D)
swipedata		The swipe data from the magnetic strip on the back of a credit or debit card. Used for card-present transactions.
merchantpin		The 32 character Merchant PIN code generated from the Online Merchant Center. When the Merchant PIN option has been enabled in the Online Merchant Center, transactions without a valid Merchant PIN will be declined with a decline response of DECLINED:1101150001:DECLINED
amount	X	Transaction dollar amount in US dollars in the form of 1.00. For CC it will default to \$1 if not provided.
billaddr1		The consumers billing address.
billaddr2		The consumers billing address.
billcity		The consumers billing city.
billstate		The consumers billing state.
billcity		The consumers billing city.
billzip		The consumers billing zip.
billcountry		The consumers billing country.
shipaddr1		The consumers shipping address.
shipaddr2		The consumers shipping address.
shipcity		The consumers shipping city.
shipstate		The consumers shipping state.
shipzip		The consumers shipping city.
shipcountry		The consumers shipping zip.
custom1		32 char alphanumeric string for data storage (included in reports)
custom2		32 char alphanumeric string for data storage (included in reports)
custom3		32 char alphanumeric string for data storage (included in reports)
custom4		32 char alphanumeric string for data storage (included in reports)
custom5		32 char alphanumeric string for data storage (included in reports)
custom6		32 char alphanumeric string for data storage (included in reports)
email		Consumer email address
memo		Comments associated to this profile
ipaddress		Consumers IP address
merchantordernumber		Customers unique alpha-numeric number
dlnum		Driver License Number
ssnum		Social Security Number
cardpresent		1 indicates the card was present
cardpresentreader		1 indicates a card reader was present

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industrycode		Industry Code One character value: "H": Hotel
chargetypeamx		Code indicating whether the primary charge is Lodging, Restaurant, or Gift Shop. One character value: 1 Hotel, 2 Restaurant, 3 Gift Shop
roomrateamt		Room rate dollar amount in US dollars in the form of 0.00.
checkindate		The date (yymmdd) that the guest checked in to the hotel
checkoutdate		The date (yymmdd) that the guest checked out of the hotel
purchaseid		Hotel Folio number (25 characters alphanumeric)
property		Prestigious property indicator. Used by participants in Visa Prestigious Lodging Program. A transaction amount of \$1 should be entered in the amount field if the merchant wishes the transaction to participate in the program. Number value: 500, 1000, or 1500
extracharges		Extra charges 6 1-digit codes, each a partial or complete explanation of why charged amount differs from receipt cardholder received at checkout. Digit values: 0: no extra, 2: Restaurant, 3: Gift Shop, 4: Mini-bar, 5: Telephone, 6: Other, 7: Laundry. Example: "240000" indicates restaurant and mini-bar charges.
recur_create		Creates a recurring billing record for a consumer. Set recur_create=1 to create a recurring billing record.
recur_billingcycle		0 = No Recurring Billing Cycle 1 = Weekly Recurring Billing Cycle 2 = Monthly Recurring Billing Cycle 3 = Quarterly Recurring Billing Cycle 4 = Semi-Annual Recurring Billing Cycle 5 = Annual Recurring Billing Cycle 6 = Bi-Weekly Recurring Billing Cycle 7 = Bi-Annual Recurring Billing Cycle 8 = Quad Weekly (28 day) Recurring Billing Cycle 9 = One Time Recurring Billing Cycle 10 = Daily Recurring Billing Cycle 11 = Bi-Monthly Recurring Billing Cycle
recur_billingmax		Maximum number of times a consumers account is debited through recurring billing. For example, setting recur_billingmax =6 bills the consumer 6 times. -1 = Unlimited number of times 0 = No Recurring Billing
recur_start		Number of days after an initial payment where the consumer is debited on a recurring cycle.
recur_amount		Amount the consumer is to be re-debited on the recurring cycle. Do not use a dollar sign.

**Profile Credit Sample 27.1****[INPUT]**

```

<?xml version="1.0"?>
<interface_driver>
<trans_catalog>
<transaction name="creditcard">
<inputs>
<service>13</service>
<acctid>TEST0</acctid>
<subid></subid>
<ipaddress>123.123.123.123</ipaddress>
<email></email>
<phone></phone>
<memo></memo>
<userprofileid>5860346</userprofileid>
<last4digits>5454</last4digits>
<recur_create></recur_create>
<recur_billingcycle></recur_billingcycle>
<recur_billingmax></recur_billingmax>
<recur_start></recur_start>
<recur_amount></recur_amount>
<merchantpin></merchantpin>
<amount>9.95</amount>
<merchantordernumber></merchantordernumber>
<server_host>TestHost</server_host>
</inputs>
</transaction>
</trans_catalog>
</interface_driver>

```

**[OUTPUT]**

```

<?xml version="1.0"?><interface_driver>
<trans_catalog>
<transaction>
<outputs>
<status>Approved</status>
<accountname>John Doe</accountname>
<result>AUTH:TEST:::126476380:::</result>
<authcode>TEST</authcode>
<historyid>126476381</historyid>
<orderid>98452813</orderid>
<userprofileid>5860346</userprofileid>
<refcode>126476380</refcode>
<total>9.95</total>
<merchantordernumber></merchantordernumber>
<last4digits>5454</last4digits>
<avsresult></avsresult>
<cvv2result></cvv2result>
<duplicate>0</duplicate>
</outputs>
</transaction>
</trans_catalog>
</interface_driver>

```

## **Profile Import (Deprecated. Refer to Profile Add)**

## Transaction Results

Field	Description
status	Approved or Declined.
accountname	Name on the account.
authcode	Authorization response: Refer to Appendix A.
historyid	History id (Unique ID) for this transaction. Will be required for 2 step processes (Post/Capture, Refunds, etc).
orderid	Order id of original transaction. Will be required for 2 step processes (Post/Capture, Refunds, etc).
refcode	Identical to history id.
total	The total amount the transaction was processed for.
merchantordernumber	The Merchant Order Number used to process the transaction with.
last4digits	The last 4 digits of the account number.
avsresult	AVS response code.
cvv2result	CVV2 response code.
duplicate	Default is 0. 1=Duplicate transaction detected. The results of the original transaction will be returned.
paytype	Type of payment used (Visa, Amex, Check, etc).
userprofileid	(Profile Only). The User Profile ID (Unique ID) assigned to the Profile. Required for subsequent Profile transactions.
recurprice	(Recurring Only). The recurring amount.
recurcycle	(Recurring Only). The recurring billing cycle.
nextbillingdate	(Recurring Only). The recurring next billing date.
recurprice	(Recurring Only). The recurring amount.
ccnum_decrypt	(Profile Retrieve Only). The decrypted credit card number.
expdate_decrypt	(Profile Retrieve Only). The decrypted expiration date.
billaddr1	(Profile Retrieve Only). The Billing Address 1.
billaddr2	(Profile Retrieve Only). The Billing Address 2.
billcity	(Profile Retrieve Only). The Billing City.
billstate	(Profile Retrieve Only). The Billing State.
billzip	(Profile Retrieve Only). The Billing Zip.
billcountry	(Profile Retrieve Only). The Billing Country.
batchnumber	(Batch Status Only). The batch number.
opendate	(Batch Status Only). The Date of when this batch was opened.
closedate	(Batch Status Only). The Date of when this batch was closed.
lasttransactiondate	(Batch Status Only). The Date of when the last transaction was processed for this batch.
actioncode	(PARTIAL AUTH only). This will contain a code for Partial Auth Transaction. The total value will reflect the approved Partial Amount.

# Appendix A: Transaction Authorization Specification.

## Credit Card Approval response format

The transaction approval authorization response message consists of a string of eight fields delimited by the colon : character.

Here is an example of the format of the complete approval message:

AVSSALE: 123456:1234567890123:9:12345678: Y: AUTHNETSPECIFIC: M :PARTIAL

The following table describes each of the fields returned in the approval response message.

### Transaction Approval Authorization Response Format

Field	Description	Value
Transaction Type	Type of transaction submitted	SALE AVSSALE AUTH AVSAUTH POST AVSPOST VOICEPOST VOID CREDIT
Authorization Code	The six digit authorization or approval code provided by the authorizing network	Varies
Reference Number	Additional reference information provided by the authorizing network	Varies
Batch Number	Batch settlement number in which this transaction is included	Number
Transaction ID	Unique number assigned by the Online Commerce Suite to this transaction.	Number
AVS Result Code	Result code generated by the Address Verification System.	See Appendix B: AVS response codes
Auth Net Specific	Miscellaneous auth net message	
CVV2/CVC2 Result Code	One character result code generated by the CVV2/CVC2 system	See Appendix C: CVV2/CVC2 Response Codes
PARTIAL AUTH	Contains the ":PARTIAL" string if it's a Partial Auth	(Auth Net Specific). The "total" will reflect the approved Partial Auth Amount and an "actioncode" will also be returned.

## Credit Card Decline response format

The transaction decline authorization response message consists of the string DECLINE followed by two fields delimited by the colon : character.

Here is an example of the format of the complete approval message:

DECLINED: 1234567890: TEXT RESPONSE

The following table describes each of the fields returned in the approval response message.

### Transaction Decline Authorization Response

Field	Description	Value	
Transaction Result	Result of the transaction	DECLINE	
Decline Code	10 digit decline code.Â	First Digit:	
		0	Authorizing network declined the transaction
		1	Gateway declined the transaction
		2	Authorizing network returned an error, forcing a decline
		3	Gateway returned an error, forcing a decline
		Digits 2-10	Internal decline number
Text Response	Text message indicating the reason for the decline.	Varies	



## Appendix B: AVS Response Codes

The following table defines AVS response codes returned from the Address Verification System.

Response Code	Definition
A	Street addresses matches, but the ZIP code does not. The first five numerical characters contained in the address match. However, the ZIP code does not match.
E	Ineligible transaction. The card issuing institution is not supporting AVS on the card in question.
N	Neither address nor ZIP matches. The first five numerical characters contained in the address do not match, and the ZIP code does not match.
R	Retry (system unavailable or timed out).
S	Card type not supported. The card type for this transaction is not supported by AVS. AVS can verify addresses for Visa cards, MasterCard, proprietary cards, and private label transactions.
U	Address information unavailable. The address information was not available at the issuer.
W	9 digit ZIP code matches, address does not. The nine digit ZIP code matches that stored at the issuer. However, the first five numerical characters contained in the address do not match.
X	Exact match (9 digit zip and address) Both the nine digit postal ZIP code as well as the first five numerical characters contained in the address match.
Y	Address and 5 digit zip match. Both the five digit postal ZIP code as well as the first five numerical characters contained in the address match.
Z	5 digit ZIP matches, but the address does not. The five digit postal ZIP code matches that stored at the VIC or card issuers center. However, the first five numerical characters contained in the address do not match.
<b>FOREIGN CODES:</b>	
B	Street address matches for international transaction. Postal Code not verified due to incompatible formats.
C	Street address and Postal Code not verified for international transaction due to incompatible format.
D	Street address and Postal Code match for international transaction.
P	Postal Code match for international transaction. Street address not verified due to incompatible formats.

## Appendix C: CVV2/CVC2 Response Codes

The following table defines CVV2/CVC2 response codes returned from the credit card authorizing network.

Response Code	Definition
Space	CVV2 processing not requested
M	CVV2/CVC2 Match
N	CVV2/CVC2 not matched
P	Not processed
S	CVV2 should be printed on the card, but it was indicated that the value was not present
U	Issuer does not support CVV2
X	Service provider did not respond

## Appendix D: Country and Currency Code

You must first verify that your credit card merchant account processor and the gateway support the currency code submitted prior to attempting any transactions other than those in "U.S." dollars.

The following table defines the country, currency code, and the requirement of decimals in amount fields. "NONE" indicates that the decimal is not required when setting the amount.

Country	Currency Code	Decimal
Argentina	ARS	
Australia	AUD	
Christmas Island	AUD	
Cocos (Keeling) Islands	AUD	
Heard and McDonald Islands	AUD	
Kiribati	AUD	
Nauru	AUD	
Norfolk Island	AUD	
Tuvalu	AUD	
Aruba	AWG	
Azerbaijan	AZN	
Bulgaria	BGN	
Bermuda	BMD	
Singapore	BND	
Bolivia	BOB	
Bolivia	BOV	
Brazil	BRL	
Bahamas	BSD	
Bhutan	BTN	
Botswana	BWP	
Belarus	BYR	NONE
Democratic Republic of Congo	CDF	
Switzerland	CHF	
Liechtenstein	CHF	
Chile	CLP	NONE
China	CNY	
Colombia	COP	
Colombia	COU	
Costa Rica	CRC	
Cuba	CUP	

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Country	Currency Code	Decimal
Cape Verde	CVE	
Czech Republic	CZK	
Djibouti	DJF	NONE
Denmark	DKK	
Greenland	DKK	
Algeria	DZD	
Estonia	EEK	
Egypt	EGP	
Eritrea	ERN	
Ethiopia	ETB	
Andorra	EUR	
Kosovo	EUR	
Monaco	EUR	
Montenegro	EUR	
San Marino	EUR	
Vatican	EUR	
Belgium	EUR	
Cyprus	EUR	
Finland	EUR	
France	EUR	
Germany	EUR	
Ireland	EUR	
Italy	EUR	
Luxembourg	EUR	
Malta	EUR	
Portugal	EUR	
Slovenia	EUR	
Spain	EUR	
Fiji	FJD	
Falkland Islands	FKP	
Isle of Man	GBP	
Georgia	GEL	
Ghana	GHS	
Gibraltar	GIP	
Gambia	GMD	

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Country	Currency Code	Decimal
Guinea	GNF	NONE
Guatemala	GTQ	
Guyana	GYD	
Croatia	HRK	
Haiti	HTG	
Hungary	HUF	
Indonesia	IDR	
Israel	ILS	
Bhutan	INR	
India	INR	
Iraq	IQD	
Iran	IRR	
Iceland	ISK	NONE
Jamaica	JMD	
Jordan	JOD	
Japan	JPY	NONE
Kenya	KES	
Kyrgyzstan	KGS	
Cambodia	KHR	
Comoros	KMF	NONE
North Korea	KPW	
South Korea	KRW	NONE
Kuwait	KWD	
Cayman Islands	KYD	
Kazakhstan	KZT	
Laos	LAK	
Lebanon	LBP	
Sri Lanka	LKR	
Liberia	LRD	
Libya	LYD	
Moldova	MDL	
Nicaragua	NIO	
Philippines	PHP	
Romania	RON	
Serbia	RSD	

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Country	Currency Code	Decimal
Russia	RUB	
Slovakia	SKK	
Somalia	SOS	
Central African Republic	XAF	
Gabon	XAF	
Anguilla	XCD	
Antigua and Barbuda	XCD	
Dominica	XCD	
Grenada	XCD	
Montserrat	XCD	
Benin	XOF	
Burkina Faso	XOF	
Yemen	YER	
South Africa	ZAR	
Zambia	ZMK	
Zimbabwe	ZWD	
Canada	CAD	
Bosnia and Herzegovina	BAM	
Barbados	BBD	
Bangladesh	BDT	
Bahrain	BHD	
Burundi	BIF	NONE
Brunei	BND	
Faroe Islands	DKK	
British Indian Ocean Territory	GBP	
Hong Kong	HKD	
Honduras	HNL	
Lesotho	LSL	
Morocco	MAD	
Western Sahara	MAD	
Madagascar	MGA	
The former Yugoslav Republic of Macedonia	MKD	
Myanmar	MMK	
Mongolia	MNT	
Macau	MOP	

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Country	Currency Code	Decimal
Mauritania	MRO	
Mauritius	MUR	
Maldives	MVR	
Malawi	MWK	
Malaysia	MYR	
Mozambique	MZN	
Namibia	NAD	
Nigeria	NGN	
Norway	NOK	
Nepal	NPR	
Cook Islands	NZD	
New Zealand	NZD	
Niue	NZD	
Pitcairn	NZD	
Tokelau	NZD	
Oman	OMR	
Panama	PAB	
Peru	PEN	
Papua New Guinea	PGK	
Pakistan	PKR	
Poland	PLN	
Paraguay	PYG	NONE
Qatar	QAR	
Rwanda	RWF	NONE
Saudi Arabia	SAR	
Solomon Islands	SBD	
Seychelles	SCR	
Sudan	SDG	
Sweden	SEK	
Singapore	SGD	
Brunei	SGD	
Saint Helena	SHP	
Sierra Leone	SLL	
Suriname	SRD	
São Tomé and Príncipe	STD	

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Country	Currency Code	Decimal
Syria	SYP	
Swaziland	SZL	
Thailand	THB	
Tajikistan	TJS	
Turkmenistan	TMM	
Tunisia	TND	
Tonga	TOP	
Turkey	TRY	
Cyprus	TRY	
Trinidad and Tobago	TTD	
Taiwan	TWD	
Tanzania	TZS	
Ukraine	UAH	
Uganda	UGX	
American Samoa	USD	
British Indian Ocean Territory	USD	
Ecuador	USD	
El Salvador	USD	
Guam	USD	
Haiti	USD	
Marshall Islands	USD	
Micronesia	USD	
Northern Mariana Islands	USD	
Palau	USD	
Panama	USD	
Puerto Rico	USD	
East Timor	USD	
Turks and Caicos Islands	USD	
United States	USD	
United States Virgin Islands	USD	
Bermuda	USD	
Uruguay	UYU	
Uzbekistan	UZS	
Venezuela	VEF	
Vietnam	VND	



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Country	Currency Code	Decimal
Vanuatu	VUV	NONE
Samoa	WST	
Cameroon	XAF	
Congo	XAF	
Chad	XAF	
Equatorial Guinea	XAF	NONE
Saint Kitts and Nevis	XCD	
Saint Lucia	XCD	
Saint Vincent and the Grenadines	XCD	
Côte d'Ivoire	XOF	
Guinea-Bissau	XOF	
Mali	XOF	
Niger	XOF	
Senegal	XOF	
Togo	XOF	
French Polynesia	XPF	NONE
New Caledonia	XPF	NONE
Wallis and Futuna	XPF	NONE
United Kingdom	GBP	
Belize	BZD	
Dominican Republic	DOP	
Austria	EUR	
Greece	EUR	
Netherlands	EUR	
United Arab Emirates	AED	
Afghanistan	AFN	
Albania	ALL	
Armenia	AMD	
Netherlands Antilles	ANG	
Angola	AOA	
Latvia	LVL	
South Georgia and the South Sandwich Islands	GBP	
Lithuania	LTL	
Mexico	MXN	