

# The <https://secure.comodo.net/products/!PlaceOrder> API for Affiliates

## Version History

- 1.00 Original version.
- 1.01 Added: Example calls.
- 1.02 Clarified: The Comodo server distinguishes between **New** and **Returning** customers by whether or not the `emailAddress` parameter is specified.
- 1.03 Added: The missing Types and Max. Lengths.  
Added: Default value for `country / countryCode`.
- 1.04 Clarified: `successURL` and `errorURL` behaviour.  
Added: `cancelURL` parameter.
- 1.05 Added: Error code -33.
- 1.06 Added: `licenceCode` parameter.
- 1.07 Added: `confirmURL` and `deferPayment` parameters.  
Clarified: If an account is created without a `loginName` and `loginPassword`, it is not possible to add these later.
- 1.08 Added: The `paymentStatus` parameter has been added.  
Added: The `mailingListOptIn` parameter has been added.  
Changed: The `deferPayment` parameter has been removed (`paymentStatus=2` should be used instead).  
Changed: The `licenceCode` parameter is no longer required to be relevant to a previous order.
- 1.09 Changed: `paymentID` is only required for certain `paymentMethods` (when `paymentStatus=0`).  
Added: More missing Max. Lengths.  
Changed: `subTotal` and `taxTotal` parameters removed from the list of parameters passed to `confirmURL` (as they can be derived).  
Clarified: For items requiring regular payments, `paymentStatus=1` must be used.  
Changed: The `totalCostInUSD` parameter has been removed from the response for `paymentStatus=2`.
- 1.10 Changed: `loginPassword` is always optional when `paymentStatus=0`.
- 1.11 Added: NobelPay Payment Gateway (new default gateway for most USD transactions).
- 1.12 Added: The `isReturningCustomer` and `offerCode` parameters.
- 1.13 Changed: This document is now just for Affiliates; there is now a separate “PlaceOrder API for Resellers” document.
- 1.14 Added: Error code -38.
- 1.15 Added: `x_visibility` parameter.  
Added: Error code -39.
- 1.16 Removed: The `vatStatus` parameter. The VAT Status is now automatically determined by the Comodo server.

## 1. Request

The request should be either GETted or POSTed to the above URL. See section 3 for some example calls.

Required variables are in **bold**.

Optional variables are in *italics*.

Sometimes required variables are in *italics* with a \* next to them.

Variable Name (case insensitive)	Type	Max. Length	Default Value (if omitted)	Description
<i>ap</i>	string	64 chars	<b>Comodo</b>	Affiliate Brand Name.
<i>currency</i>	string	3 chars	<b>USD</b>	The three-character ISO4217 currency code of the prices that have been quoted to (or, when <code>paymentStatus=0</code> , paid by) the customer (only <b>USD</b> , <b>EUR</b> or <b>GBP</b> are currently supported).
<i>region</i>	string	64 chars	<b>Unknown</b>	The region of the world from where the order is being placed.
<i>isReturningCustomer</i>	char			<b>Y</b> = this customer already has an account; <b>N</b> = this is a new customer. (This parameter is only relevant when <code>loginName</code> and <code>loginPassword</code> are being used).
<i>errorURL</i>	string	255 chars		A URL to which the browser will be redirected if an error occurs. (See section 2.2 for more details).
<i>successURL</i>	string	255 chars		<i>If <code>paymentStatus=1</code> and the order is placed and payment is made successfully:</i> a URL that will be linked to from the order confirmation page. <i>Otherwise (if the order is placed successfully):</i> a URL to which the browser will be immediately redirected. (See section 2.2 for more details).
<i>cancelURL</i>	string	255 chars		<i>If <code>paymentStatus=1</code> and the order is cancelled from the payment gateway webpage(s):</i> a URL that will be linked to from the order cancellation page.
<i>confirmURL</i>	string	255 chars		A URL to which the browser will be redirected (after payment, if necessary), bypassing the default order confirmation page (see section 2.4 for more details).
<i>paymentStatus</i>	integer	1 char	<b>1</b>	<b>0</b> = Payment has <u>already</u> been made; the cost(s) are provided in this call (see later on for details). <b>1</b> = Payment should be made <u>now</u> – the response to this call will be to redirect the browser to the webpages of the default Comodo payment gateway (currently NobelPay for USD transactions that are not part of a regular payment agreement, and Worldpay for everything else). <b>2</b> = Payment is deferred until <u>later</u> – the response to this call will contain various additional parameters (see section 2.3 for more details), and it will be up to the caller to indicate completed payment by some other means not documented here.
<i>optInToMailingList</i>	char	1 char	<b>N</b>	<b>Y</b> = opt in to relevant Comodo mailing list(s). <b>N</b> = don't opt in.
<i>offerCode</i>	string	64 chars		The use of this parameter will be documented separately.

Company Address Details:			<i>Note: certain products do not require an address to be specified. Also note: For <b>Returning</b> customers, any address details supplied here will replace any details supplied on previous occasions.</i>
<i>organizationName</i>	string	64 chars	Company Name.
<i>organizationalUnitName</i>	string	64 chars	Department Name.
<i>postOfficeBox</i>	string	40 chars	PO Box.
<i>streetAddress1</i>	string	128 chars	Street Address 1.
<i>streetAddress2</i>	string	128 chars	Street Address 2.
<i>streetAddress3</i>	string	128 chars	Street Address 3.
<i>localityName</i>	string	128 chars	Locality Name (i.e. City).
<i>stateOrProvinceName</i>	string	128 chars	State or Province Name.
<i>postalCode</i>	string	40 chars	Postal or Zip Code.

<i>countryName</i> OR <i>country</i>	string	2 chars	ISO-3166 2-character Country Name. If omitted, the default value is US.
<b>Other Company Details:</b>			
<i>dunsNumber</i>	string	20 chars	Company DUNS Number.
<i>companyNumber</i>	string	25 chars	Company Registration Number.
<b>Tax Details:</b>			
			Note: For orders through an Affiliate, Comodo charge UK VAT to: 1) All UK customers and 2) EU customers who do not supply a VAT Registration Number.
<i>vatNumber</i>	string	14 chars	VAT Registration Number (only relevant for EU customers).
<b>User Personal Details:</b>			
<i>title</i>	string	64 chars	The customer's title (e.g. Mr, Mrs, Dr, etc).
<i>name</i>	string	128 chars	The customer's full name. If name is specified, forename and surname should not be specified. If forename and/or surname are specified, name should not be specified.
<i>forename</i>	string	64 chars	The customer's first name.
<i>surname</i>	string	64 chars	The customer's last name.
<i>emailAddress</i> *	string	255 chars	The customer's email address. (If <i>isReturningCustomer</i> is not used, then: if this parameter is present, the customer is a <b>New</b> customer; if this parameter is absent, the customer is a <b>Returning</b> customer)
<i>telephoneNumber</i>	string	32 chars	The customer's telephone number.
<i>faxNumber</i>	string	32 chars	The customer's fax number.
<b>User Login Details:</b>			
<i>loginName</i> *	string	64 chars	Username (case sensitive). Whether or not this field is required depends on the product(s) being ordered.
<i>loginPassword</i> *	string	128 chars	Password (case sensitive). Whether or not this field is required depends on the product(s) being ordered.
<i>saspSessionID</i> *	string	16 chars	For Returning customers only: a session ID, generated recently by the Comodo Server (a.k.a. SASP), which can be used as an authentication token in place of <i>loginName</i> and <i>loginPassword</i> .
<i>licenceCode</i>	string	255 chars	A relevant "licence code" from a previous order. The use of this parameter will be covered in the additional per-product documentation.

Also required are various parameters that define the product(s) being purchased. These vary considerably depending on the product(s). Below is a [sample](#) of the types of parameter. Definitive parameter requirements for each product are documented in section 7 of the "PlaceOrder API for Resellers" document.

<i>x_ID</i> *	integer		A product ID. Some products require this parameter to be specified instead of <i>x_PPP</i> .
<i>x_PPP</i> *	integer		A "product pricing parameter". Some products require this parameter to be specified instead of <i>x_ID</i> .
<i>x_visibility</i>	integer		-1 (default) = Visible; 0 = Invisible.
<i>x_days</i> *	integer		Number of days. Whether this is required or optional depends on the product.
<i>x_seats</i> * OR <i>x_users</i> * OR <i>x_servers</i> * OR <i>x_quantity</i> *	integer		This parameter (the name of which depends on the product) indicates a quantity that affects the pricing.
<i>x_zones</i> *	integer		This parameter (the name of which depends on the product) indicates another quantity that affects the pricing.
<i>x_IPAddress</i> *	string	15 chars	An IPv4 address. This is only relevant for certain products.
<i>x_MACAddress</i> *	string	17 chars	A MAC address. This is only relevant for certain products.

**NOTE:** the *x* in the above parameters is just a placeholder for an integer indicating the "item number". This allows multiple items to be purchased in a single order, so it should be possible to integrate this with shopping cart systems. The first "item number" is 1, the second "item number" is 2, etc. This means that either *1\_ID* or *1\_PPP* must be specified, because there must be at least one item in the order.

**ALSO NOTE:** you may prepend an underscore to any of the *x\_* parameters. This will be necessary if you need to reference such parameters in Javascript, because Javascript variables may not begin with a digit.

## 2. Response

The type of response depends on whether or not the call was successful and on the *successURL*, *errorURL* and *paymentStatus* parameters supplied in the request.

*successURL* and *errorURL* (and *cancelURL* and *confirmURL*) are intended to be used only when *!PlaceOrder* is called by a browser.

When *!PlaceOrder* is called from a back-end server, these parameters are irrelevant.

*Note:* if an Affiliate calls *!PlaceOrder* from their back-end code, they should specify *paymentStatus=2* (see section 2.3).

### 2.1 *errorURL* is not specified (and an error occurs)

If an error occurs but *errorURL* was not supplied, then the MIME type of the response will be *application/x-www-form-urlencoded*, because the format of the response will be the same "URL-encoded" format as the request (e.g. *name1=value1&name2=value2*).

Here are the names of the various variables that will or may appear in the response:

Variable Name (case insensitive)	Type	Max. Length	Description
<i>errorCode</i>	integer		Error code (see list below for possible values)
<i>orderNumber</i>	string	128 chars	A newly assigned Order Number (if the order was placed successfully)
<i>errorMessage</i>	string	255 chars	Explanation of error (if an error occurred)
<i>errorItem</i>	string	255 chars	The name of the request parameter that caused the error (if applicable)

Here are the possible values for *errorCode* and *errorMessage*:

<i>errorCode</i>	<i>errorMessage</i>
0	Successful
-1	Request was not made over HTTPS!
-2	' <i>errorItem</i> ' is an unrecognized argument!
-3	The ' <i>errorItem</i> ' argument is missing!

-4	The value of the 'errorItem' argument is invalid!
-14	An unknown error occurred!
-16	Permission denied!
-38	Certain details that must be validated for 'errorItem' are missing from this Account!
-39	At least 1 item is missing from this order!

## 2.2 successURL or errorURL is specified

If the call is successful and a successURL was supplied, or an error occurs and an errorURL was supplied, then the browser will be redirected to the successURL or errorURL, whichever is applicable. The parameters listed in section 2.1 will be passed as GET parameters in the "query string" of the URL. This query string can be parsed by some JavaScript code.

*Note:* if paymentStatus=1, the browser will first be redirected through the payment pages of the default Comodo payment gateway. Once the payment has been received successfully, the browser will either be redirected to the confirmURL (if specified) or else the confirmation webpage will provide a link to the successURL (if this is supplied).

*Note:* if paymentStatus=0 or 2 then successURL, errorURL, cancelURL and confirmURL are all completely ignored; instead, the response is as specified in section 2.3.

*Note:* For orders that are cancelled (from the payment gateway webpage), the order cancellation webpage will provide a link to the cancelURL (if specified).

## 2.3 paymentStatus is specified

If paymentStatus=0, the following additional parameters are required in the request:

Variable Name (case insensitive)	Type	Max. Length	Description
x_cost	number		Total itemized cost (not including tax), in the specified currency, that has been paid already
x_tax	number		Total itemized tax, in the specified currency, that has been paid already
paymentMethod	integer		<ul style="list-style-type: none"> <li>0 = TEST</li> <li>1 = FREE</li> <li>2 = WorldPay</li> <li>3 = PayPal</li> <li>4 = Cheque</li> <li>5 = Wire Transfer</li> <li>(6 = Account Funds – not applicable to this specification)</li> <li>7 = ComodoPayments</li> <li>8 = NobelPay</li> </ul>
paymentID *	string	64 chars	<i>For WorldPay, NobelPay, PayPal and ComodoPayments:</i> a "transaction ID" assigned by the payment gateway; <i>For Cheque and Wire Transfer:</i> an optional comment assigned by whoever took the payment; <i>Otherwise:</i> paymentID must not be specified.
paymentTimestamp	integer		The date/time at which payment occurred (expressed as the number of seconds since the beginning of 1970 UTC)

The response will be the same application/x-www-form-urlencoded response as described in section 2.1.

Also, the caller must be authenticated more strongly. This must be done using an SSL Client Certificate issued by the Comodo CA (the same certificate as used for the "SASP synchronization system", if relevant). Also, the URL will be <https://private.comodo.net/products/!PlaceOrder> instead of the URL at the top of this document. As the caller will be a server rather than the end customer's browser, and as SSL Client authentication will strongly authenticate the caller, the caller need not supply the loginPassword of the customer. The customer will be identified by just their loginName.

If paymentStatus=1, the behaviour is as defined in other sections of this specification.

Note that if any items in the order require payment using a "regular payment agreement" (e.g. FuturePay, FlexiPay, FlexiBurn), it must be the case that paymentStatus=1.

If paymentStatus=2, then the MIME type of the response will be application/x-www-form-urlencoded, because the format of the response will be the same "URL-encoded" format as the request (e.g. name1=value1&name2=value2).

In addition to the parameters listed in 2.1, the following parameters will appear in the response:

Variable Name (case insensitive)	Type	Max. Length	Description
totalCost	number		Total Cost (including any applicable tax) required to be paid
currency	string	3 chars	The three-character ISO4217 currency code of totalCost
saspSessionID	string	16 chars	The SASP-generated session ID for this order, which will probably be required later if payment is to be confirmed to SASP via some automated means (not documented here).

The order will be marked as "Awaiting Payment" on the Comodo Order Processing system. The caller then has up to 72 hours in which to indicate successful payment to the Comodo Order Processing system (by some means not documented here); if this does not happen, the "Awaiting Payment" order will be deleted.

## 2.4 confirmURL is specified

If a confirmURL is specified, then after successful payment through the default Comodo payment gateway (currently NobelPay or WorldPay), the default Comodo confirmation page will not be displayed. Instead, the browser will be redirected to confirmURL with the following parameters supplied in the query string:

Variable Name (case insensitive)	Type	Max. Length	Description
orderNumber	string	64 chars	The newly assigned Order Number.
currency	string	3 chars	The three-character ISO4217 currency code of the n_itemCost and n_itemTax parameters.
n_itemDescription	string	255 chars	A description of the item (where n is the number of the item within the order, starting with n=1).
n_itemCost	number		The cost (without tax) for the item (where n is the number of the item within the order, starting with n=1).
n_itemTax	number		The tax for the item (where n is the number of the item within the order, starting with n=1).

## 3. Example calls to !PlaceOrder

See sections 5 and 6 of the "PlaceOrder API for Resellers" documentation for examples of how to call the !PlaceOrder API.