

# **cWhois™ Domain Cart**



# cWhois™ Domain Cart Manual

Copyright 2003 to 2005 Vibralogix. All rights reserved.

This document is provided by Vibralogix for informational purposes only to licensed users of the cWhois Domain Cart product and is provided on an 'as is' basis without any warranties expressed or implied.

Other names are trademarks or registered trademarks of the respective holders. Microsoft is a registered trademark and Windows, Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000, Windows XP and their respective logos are registered trademarks of the Microsoft Corporation.

Information in this document is subject to change without notice and does not represent a commitment on the part of Vibralogix. The software described in this document is provided under a license agreement. The software may be used only in accordance with the terms of that license agreement. It is against the law to copy or use the software except as specifically allowed in the license.

It is the users responsibility to ensure the suitability of cWhois Domain Cart before using it. In no circumstances will Vibralogix be responsible for any loss or damage of data or programs as a result of using cWhois Domain Cart. Your use of cWhois Domain Cart implies acceptance of these terms.



# Contents

<b>Chapter 1 Introduction</b>	<b>1-2</b>
What is cWhois Domain Cart?	1-2
How does it work?	1-3
Simple hosting mode	1-5
Domain name suggestion system	1-7
<b>Chapter 2 Installing cWhois Cart</b>	<b>2-1</b>
Installing cWhois Domain Cart	2-1
Domain Registration	2-1
Domain Transfers	2-2
Domain Renewals	2-3
Hosting plans	2-3
Agreements	2-4
Other settings	2-4
Payment process settings	2-6
Using Paypal.com	2-6
Using 2checkout.com	2-7
Using revecom/paysystems.com	2-9
Using stormpay.com	2-10
Using nochex.com	2-11
Using authorize.net	2-11
Using Worldpay	2-12
Using Network1	2-12
Using Centipaid	2-13
Using Moneybookers	2-13
Using Caixagalicia	2-14
Using CDG Commerce	2-14
Using iKobo	2-15
Using Internet Secure	2-15
Manual payment processing	2-16
Using multiple payment processors	2-16
Domain suggestion system	2-17
Tax and VAT	2-17
Adding cWhois Domain Cart to your page	2-19
Adding a simple domain check to your site	2-20
Premium domain names	2-22
Separate pricing for short domain names	2-23
'Please wait while' checking availability	2-23
<b>Chapter 3 Customising cWhois Cart</b>	<b>3-1</b>
Translating into other languages	3-1
Modifying the order form fields	3-1
Modifying the email messages	3-2
<b>Chapter 4 Support</b>	<b>4-1</b>
<b>Appendix A Domains Supported</b>	<b>A-1</b>

# Chapter 1 Introduction

## What is cWhois Domain Cart?

cWhois Domain Cart is a PHP based application that provides a simple to use shopping cart for users purchasing domain names and hosting services. After selecting the required domains and clicking checkout the user is taken to the vendors payment processor.

### Features

- Uses PHP available on most servers
  - Works with over 400 domain extensions
  - Determines domain availability
  - Lookup feature for domains already registered
  - Any registration periods and prices allowed for each domain extension
  - Option to select hosting package for each domain name.
  - Allows hosting only (with any domain extension)
  - Supports domain transfers and renewals
  - Easy to add to your own page layout – even inside a table cell
  - Easy to include only the domain extensions you wish to sell and support
  - Built in support for 2checkout, Paypal, Worldpay Futurepay, Paysystems, Stormpay, Nochex, authorize.net, Network1, Centipaid, Moneybookers, Bluepaid, Caixagalicia, CDG Commerce, iKobo, Internet Secure and manual processing
  - Sends email to customer and vendor with order details at checkout
  - Supports recurring billing on paypal.com, paysystems.com and stormpay.com with limited recurring support for 2checkout.com
  - Two modes of operation
  - Supports premium domain names (.tv, .fm & dj)
  - Handles separate pricing for short domain names (e.g. .fm & .cd)
  - IDN (accent) support
  - Keyword and category based domain name suggestion system
  - Two level tax system
-

## How does it work?

cWhois Domain Cart has been designed to be easy for your clients to use. Selecting domains, verifying availability, lookup of existing domains, adding hosting and the shopping cart are all controlled from one page. This saves cumbersome navigation. Here is a sample with hosting plans enabled.

Type domain name & select extensions required.  
 Tip: For hosting only type domain name & any extension

.com     .net     .org  
 .co.uk     .org.uk     .name  
 .info     .biz     .cc

Domain	Available	Domain Options	Hosting Options	Buy?
vibralogix.com	No ( <a href="#">Lookup</a> )	Hosting Only	PRO50 1 year \$109	<input checked="" type="checkbox"/>
vibralogix.net	Yes	Register 1 year \$14.99	No Hosting	<input checked="" type="checkbox"/>

### Shopping Cart

Domain	Domain Option	Hosting Option	Subtotal	Remove
vibralogix.co.uk	Register 2 years \$17.99	None	\$17.99	<input type="checkbox"/>
vibralogix.cc	Hosting only	PRO50 monthly \$9.99 (setup \$7.95)	\$17.94	<input type="checkbox"/>
<b>Monthly charge \$9.99 - Total to pay now \$35.93</b>				

cWhois Domain Cart can be used simply to sell domain names or can be enabled to offer hosting packages and domain transfers as well.

First of all the user enters a domain name. He has the choice to either enter the full domain name including the domain extension or to enter just the domain name and select the required checkboxes. If the domain is available the user will have the choice to register it or to simply have it hosted. If the domain is taken already then the user will be given the choice of transferring the domain name or just

hosting it. Also a domain lookup feature allows the full whois information to be viewed. Even for domain extensions that you do not support cWhois will where possible still try to determine whether the domain name is available and allow the user to select a hosting package.

\*\* Domain transfer and/or hosting options will only be displayed if you enable them \*\*

When the user is happy with the domains and hosting packages added to the shopping cart he will then click the checkout button to display the following contact form.

### Your Order

Domain	Domain Option	Hosting Option	Subtotal
vibralogix.co.uk	Register 2 years	None	\$17.99
vibralogix.cc	Hosting only	PRO50 monthly	\$9.99 (setup \$7.95) \$17.94
<b>Monthly charge \$9.99 - Total to pay now \$35.93</b>			

[Modify](#)

---

### Agreements

I attest that I am authorized to register domains for this organization and I agree to the [registration terms](#).

I agree to the [hosting services terms](#).

### Your Contact Details

Name\*

Organisation Name

Street Address\*

City\*

State / County\*

Zip / Post Code\*

Country\*

Phone Number\*

Fax Number

Email\*

[Checkout](#)

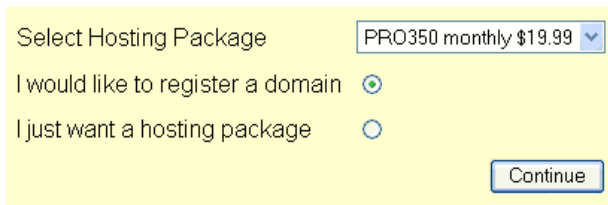
The contact form displays the contents of the shopping cart once again for verification and asks for the usual contact details. Optionally it will also display checkboxes that must be ticked to show that the user agrees to various agreements for domain registration, domain transfers and hosting. After the user has completed the contact details form he is linked to the payment processor and is sent a confirmation email. The above form will also email you, the vendor, a copy of the contact details along with the domain names and options from the shopping cart. A unique order number is also created (separate to the payment processors order number) enabling you to match up the sales receipt from your payment processor.

You should note that this email is sent before the credit card has been approved so you **must** verify the transaction has been completed before registering any domain names.

## Simple hosting mode

cWhois Domain Cart contains all of the shopping cart features your users are likely to need. However there are some cases where you may prefer to have a simpler way to sell a hosting package with an optional domain name. This is where the simple hosting mode can be used. The main difference is that this mode only allows one domain name and/or hosting package to be purchased at a time. It works in a three step process.

Step 1 asks the user to select a hosting package and decide whether they want a domain name to be registered as well.

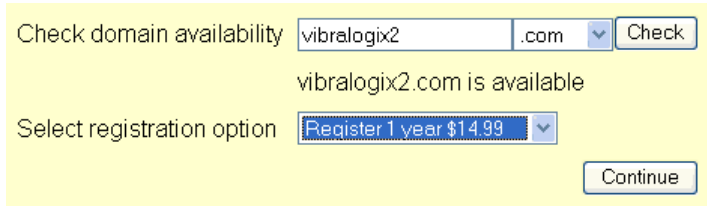


Select Hosting Package

I would like to register a domain

I just want a hosting package

Step 2 differs depending on whether the user requires a new domain name. If he does then step 2 looks like this.

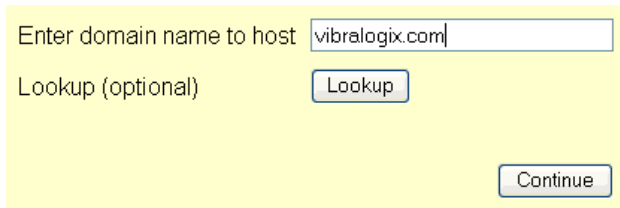


Check domain availability

vibralogix2.com is available

Select registration option

If user didn't request a domain name to be registered step 2 will look like this.



Enter domain name to host

Lookup (optional)

Step 3 is the checkout contact form as described for the normal shopping cart mode.

The license for cWhois Domain Cart allows you to include it in as many pages as required on one domain so you can have both the full shopping cart and the simple hosting mode on your site.

---

## Domain name suggestion system

cWhois Domain Cart has a domain name suggestion feature based on customisable categories and keywords. This provides the user with alternative suggestions for domain names based on the keyword they entered. This system can be enabled only in the full shopping cart mode and does not work in simple hosting mode. Below is an example domain name check with the suggestion system enabled.

Type domain name & select extensions required.  
Tip: For hosting only type domain name & any extension

widget

Suggest domain names

eCommerce

.com     .net     .org  
 .co.uk     .name     .info  
 .biz     .cc     .tv  
 .no

Domain	Available	Domain Option	Hosting Option	Buy?
widget.com	No ( <a href="#">Lookup</a> )	Hosting Only	PRO150 1 year \$109	<input checked="" type="checkbox"/>
widgetcommerce.com	Yes	Register 1 year \$14.99	No Hosting	<input type="checkbox"/>
buywidget.com	Yes	Register 1 year \$14.99	No Hosting	<input type="checkbox"/>
shopwidget.com	No ( <a href="#">Lookup</a> )	Hosting Only	PRO150 1 year \$109	<input type="checkbox"/>
widget4sale.com	Yes	Register 1 year \$14.99	No Hosting	<input type="checkbox"/>
widgetstore.com	No ( <a href="#">Lookup</a> )	Hosting Only	PRO150 1 year \$109	<input type="checkbox"/>
bargainwidget.com	No ( <a href="#">Lookup</a> )	Hosting Only	PRO150 1 year \$109	<input type="checkbox"/>
orderwidget.com	Yes	Register 1 year \$14.99	No Hosting	<input type="checkbox"/>



## Chapter 2 Installing cWhois Cart

### Installing cWhois Domain Cart

Incorporating cWhois Domain Cart with your site is simply a matter of adding 2 lines to the required page. However first of all we need to setup a few variables with information about the domain extensions you support, prices and registration periods, any hosting options etc.

### Domain Registration

Open cwconf.php in any text editor such as notepad.exe. First of all if you don't know anything about PHP then don't get scared! We will walk you through this and support is just an email away if required. Near the top of the file you will see a list of domain extensions each one looking something like this.

```
$register[]=".com,1:2:5:10,14.99:28.99:64.99:119.99";
```

This list of domain extensions is a subset of the over 380 domain extensions supported by cWhois that you wish to sell. Each domain extension is on a separate line. You can add or delete to this list as described later.

You will notice that each line is separated into three sections by commas as the example above and we will now describe each section.

.com	This is the domain extension
1:2:5:10	These are the periods in years that you wish to register this domain extension for. In this case 1, 2, 5 & 10 years. You can have as many registration periods as you wish (at least 1 though). Notice that each registration period is separated by a colon ( : ).
14.99:28.99:64.99:119.99	These are the prices for each registration period listed in the previous section again separated by colons. i.e. one year is charged at 14.99 and ten years at 119.99. You can have any number of prices but it must match with the number of registration periods as above.

You can remove any domain extensions you do not wish to support simply by deleting the relevant lines. To add domains simply open up the domains.txt file included and copy and paste into the list. Don't forget to adjust the registration periods and prices though.

## Domain Transfers

As well as registering domain names you can optionally also transfer existing domains to your registrar. You can set the transfer periods and prices as you wish separately to the registration values. This is done exactly as described above for registration except each entry looks like this:-

```
$transfer[]=".com,1:2:5:10,14.99:28.99:64.99:119.99";
```

If you do not wish to support domain transfers simply comment out or delete each entry.

---

## Domain Renewals

As well as registering domain names you can optionally also allow the user to renew a domain already registered with you. You can set the renewal periods and prices as you wish separately to the registration values. This is done exactly as described above for registration except each entry looks like this:-

```
$renew[]=".com,1:2:5:10,14.99:28.99:64.99:119.99";
```

If you do not wish to support domain renewals simply comment out or delete each entry.

## Hosting plans

Optionally you can allow a user to select a hosting plan for each domain that they choose. You can have as many different plans as you wish either as single payment or monthly recurring if your payment processor supports it.

To setup hosting plans find the following lines

```
$host[]="PRO150 1 year,0,109,S";  
$host[]="PRO150 monthly,0,9.99,R";  
$host[]="PRO350 1 year,0,219,S";  
$host[]="PRO350 monthly,0,19.99,R";  
$host[]="PRO700 1 year,0,329,S";  
$host[]="PRO700 monthly,0,29.99,R";
```

Here we have setup 6 hosting plans. Each plan is setup in sections separated by commas. The first section is the plan description which you should keep as short as possible. The second section is the setup cost. The third section is the price (single charge or monthly). The fourth and final section determines whether the plan is single charge or monthly recurring (S or R). Leave out any currency symbols etc. If you do not wish to support hosting plans then simply comment out or delete each entry.

## Agreements

You can optionally have cWhois Domain Cart display a link to your agreements or contracts on the checkout page. The user will be forced to tick a checkbox for each agreement. You can define a page to be linked to for agreements for domain registration, domain transfers, domain renewals and/or hosting. The link and checkbox will only be displayed if you have defined a link and the user has purchased that particular service.

```
$registeragree="registeragree.htm";  
$transferagree="transferagree.htm";  
$renewagree="transferagree.htm";  
$hostagree="hostagree.htm";
```

If you do not need some or all of these agreements then comment the lines out as required.

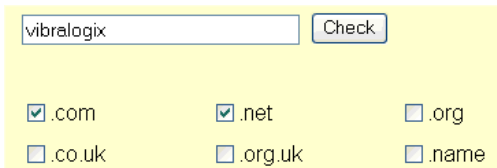
## Other settings

There are a few settings that we still need to set which will be found below the hosting packages variables as follows.

`$vendoremail` This is the email address where you would like the order details to be sent.

`$vendorcompany` This is your company name.

`$columns` This is the number of columns of domain extension checkboxes to display underneath the domain entry field. For example below there are 3 columns.



The screenshot shows a form with a text input field containing 'vibralogix' and a 'Check' button. Below the input field is a grid of checkboxes for domain extensions:

<input checked="" type="checkbox"/> .com	<input checked="" type="checkbox"/> .net	<input type="checkbox"/> .org
<input type="checkbox"/> .co.uk	<input type="checkbox"/> .org.uk	<input type="checkbox"/> .name

---

\$symbol	For example set to "\$". For Euro set this to "&euro;" and Yen set to "&yen;"
\$decimalplaces	Normally 2 but some currencies use 0.
\$backcolor	This is the background color to use throughout the shopping cart. It is in the html standard format.
\$cwhoismode	Set this to 0 for the full shopping cart mode and 1 for the simple hosting mode.
\$AllowNoHosting	Set to true to allow domain registration only. If you want to force hosting then set to false. Applies to cwhoismode 0 only.
\$AllowHostingOnly	Set to true to allow hosting only. If you want to force domain registration or transfer then set to false. Applies to cwhoismode 0 only.
\$AssumeAll	When set to true if no extension checkbox is ticked and no extension typed then all will be checked. If set to false then first extension (checkbox) will be checked in this case.
\$taxrate \$taxratefield1 \$taxratefield2 \$taxontax \$tax1[] \$tax2[]	See the section about tax later on
\$spacetohyphen	Set to true to automatically convert spaces entered in domain names to hyphens. Set to false to disable.
\$hidecheckboxes	Set to true to hide the domain extension checkboxes. This means that the user just enters the domain name and cWhois checks all of the extensions defined in

cwconf.php. Applies to cwhoismode 0 only. Default value is false.

**\$HTMLEmail** Set to Y to send emails in html format (recommended).

## Payment process settings

cWhois Domain Cart currently supports 2checkout, Paysystems, Paypal, Worldpay-futurepay, Stormpay, Nochex, authorize.net, Network 1, Centipaid, Moneybookers, Bluepaid, Caixagalicia, CDG Commerce, iKobo, Internet Secure and manual processing. However we maybe able to add other payment processors as required.

## Using Paypal.com

To select paypal.com as your payment processor set the following variables.

```
$payprocess="paypal";
$paypalemail="paypal@yoursite.com";
$paypalcurrency="USD";
$paypalreturn="http://www.yoursite.com/ok.htm";
$paypalcancel="http://www.yoursite.com/can.htm";
$paypaldesc="Domain name services";
```

**\$payprocess** Selects paypal for payment.

**\$paypalemail** This is the Paypal account (email address) used to receive payment.

**\$paypalcurrency** Set as USD,GBP,EUR,CAD or JPY

**\$paypalreturn** This is the full URL that Paypal will go to after a successful sale.

**\$paypalcancel** This is the full URL that Paypal will go to if the user cancels payment at any point.

**\$paypaldesc** This is the product description shown on the checkout page of paypal.com.

---

## Using 2checkout.com

To select 2checkout.com as your payment processor set the following variables.

```
$payprocess="2co";      Selects 2checkout.com  
$vendorid2co="12345";  Your 2CO vendor ID
```

This is all that needs to be setup for one off payments. However new rules enforced on 2CO by the credit card companies mean that each item ordered must exist in the 2CO admin area, in theory in advance of any orders. To make this as easy as possible we have designed cWhois Domain Cart so that it will automatically create products in 2CO's system when they are ordered. For example if your client orders registration of a .com domain for 5 years we will create a product with the id Reg\_com\_5 and the price you defined for this. You should remember if you change the pricing structure in cWhois to also check for defined products in 2CO and modify the prices accordingly. If you don't then this will not actually affect the price paid by the client (which will always be the amount calculated by cWhois) but could get you in trouble with 2CO.

If you wish to use recurring billing then read on as 2checkout's handling of recurring billing is different to the other payment processors we support as they will only accept recurring orders for products that are already entered into their admin system. 2CO do not allow us to create recurring products for you as we can do for one off payment items. Basically this means that you must setup products for each combination of initial charge and monthly charge that are likely to be ordered. For example if you sell domain registration for \$14.99 and hosting packages for \$9.99 and \$19.99 per month you need to setup 4 products on 2checkout admin as follows:

**Product 1**

Your Product ID: Plan1

Product Description: Web services

Recurring Billing Amount: 9.99

Periodicity: 1 Month

Number of Instalments: -1 (unlimited)

Startup Cost: 0

**Product 2**

Your Product ID: Plan2

Product Description: Web services

Recurring Billing Amount: 9.99

Periodicity: 1 Month

Number of Instalments: -1 (unlimited)

Startup Cost: 14.99

**Product 3**

Your Product ID: Plan3

Product Description: Web services

Recurring Billing Amount: 19.99

Periodicity: 1 Month

Number of Instalments: -1 (unlimited)

Startup Cost: 0

**Product 4**

Your Product ID: Plan1

Product Description: Web services

Recurring Billing Amount: 19.99

Periodicity: 1 Month

Number of Instalments: -1 (unlimited)

Startup Cost: 14.99

These four products provide the combinations required. However if you allow your client to order more than one plan then you will have to setup more products to handle this pricing combination as 2checkout only allow one recurring product to be ordered at a time. For this reason it is probably best to use `cwhoismode=1` that limits the orders to one domain and hosting package per order.

Once you have setup the products on 2CO you then need to tell cWhois Domain Cart which product to order for each

---

combination of initial charge and monthly charge as follows:-

```
$recprodid2co[]="1,0.00,9.99";  
$recprodid2co[]="2,14.99,9.99";  
$recprodid2co[]="3,0,19.99";  
$recprodid2co[]="4,14.99,19.99";
```

Each line describes a product with settings split into parts divided by commas. First part is the 2checkout product ID for the product. The second part is the startup cost and the third part the monthly cost.

If cWhois Domain Cart cannot match the order with any of the predefined products then it will charge the first months fee and the following months will have to be handled manually.

Remember these are restrictions of the 2checkout system and not of cWhois Domain Cart.

## Using [revecom/paysystems.com](http://revecom.com/paysystems.com)

To select [paysystems.com](http://paysystems.com) as your payment processor set the following variables.

```
$payprocess="Paysystems";  
$paysysid="3800";  
$paysysreturn="http://www.yoursite.com/ok.htm";  
$paysyscancel="http://www.yoursite.com/can.htm";  
$paysysdesc="Domain name services";  
$paysyscycle="30";  
$paysystotalperiod="12";
```

<code>\$payprocess</code>	Selects <a href="http://paysystems.com">paysystems.com</a> for payment.
<code>\$paysysid</code>	This is the <a href="http://paysystems.com">paysystems</a> account to use.
<code>\$paysysreturn</code>	This is the full URL that <a href="http://paysystems.com">Paysystems</a> will go to after a successful sale.
<code>\$paysyscancel</code>	This is the full URL that <a href="http://paysystems.com">Paysystems</a> will go to if the user cancels payment at any point.

\$paysysdesc	This is the product description shown on the checkout page of paypal.com.
\$paysyscycle	Recurring billing cycle in days. 30 or 31 days would be normal.
\$paysystotalperiod	Total number of charges to make.

## Using stormpay.com

To select stormpay.com as your payment processor set the following variables.

```
$payprocess="Stormpay";  
$stormemail="stormpay@yoursite.com";  
$stormreturn="http://www.yoursite.com/ok.htm";  
$stormcancel="http://www.yoursite.com/can.htm";  
$stormdesc="Web Services";  
$stormcycle="30";
```

\$payprocess	Select stormpay.com
\$stormemail	Your Stormpay email address.
\$stormreturn	This is the full URL that Stormpay will go to after a successful sale.
\$stormcancel	This is the full URL that Stormpay will go to if the user cancels payment.
\$stormdesc	This is the product description shown on the checkout page of Stormpay.
\$stormcycle	Recurring billing cycle in days. 30 or 31 days would be normal.

---

## Using nochex.com

To select nochex.com as your payment processor set the following variables. Please note that Nochex do not support recurring billing at this time.

```
$payprocess="Nochex" ;  
$nochemail="nochex@yoursite.com" ;  
$nochdesc="Web Services" ;  
$nochreturn="http://www.yoursite.com/ok.htm" ;
```

<code>\$payprocess</code>	Selects nochex.com
<code>\$nochemail</code>	Your Nochex email address
<code>\$stormdesc</code>	This is the product description shown on the checkout page of Nochex.
<code>\$nochreturn</code>	This is the full URL that Nochex will go to after a successful sale.

## Using authorize.net

To select authorize.net as your payment processor set the following variables. Please note that authorize.net do not support automatic recurring billing although depending on your account you maybe be able to set this up manually after you have received the order

```
$payprocess="Authorize" ;  
$authloginid="" ;  
$authdesc="Web Services" ;  
$authcurrency="USD" ;  
$authtxnkey="" ;
```

<code>\$payprocess</code>	Selects authorize.net
<code>\$authloginid</code>	Your authorize.net ID
<code>\$authdesc</code>	This is the product description shown on the checkout page of authorize.net.

\$authcurrency	This is the currency code to use.
\$authtxnkey	Your authorize.net transaction key.

## Using Worldpay

cWhois supports payment via the Worldpay Futurepay system. Other services of Worldpay may not be compatible.

\$wpfpinstid	Your seller id
\$wpfpcartid	Your cart id
\$wpfpcurrency	Currency flag (e.g. GBP)
\$wpfpdesc	Description of goods (e.g. Web services)
\$wpfpctest	Test value (see Worldpay documentation)
\$wpfpoption	Option value(see Worldpay documentation)

## Using Network1

To select Network1 as your payment processor set the following variables. Please note that Network1 do not support automatic recurring billing although depending on your account you maybe be able to set this up manually after you have received the order

```
$payprocess="Network1";
$net1loginid="";
$net1desc="Web Services";
```

\$payprocess	Selects Network1
\$net1loginid	Your Network1 ID
\$net1desc	This is the product description shown on the checkout page of Network1.

---

## Using Centipaid

To select Centipaid as your payment processor set the following variables. Please note that Centipaid do not support recurring billing at this time.

```
$payprocess="Centipaid";
$centilogin="AEF001";
$centidesc="Web Services";
$payprocess    Selects Centipaid

$net1loginid   Your login ID

$net1desc      This is the product description shown on
                the checkout page of Centipaid.
```

## Using Moneybookers

To select Moneybookers as your payment processor set the following variables.

```
$payprocess="Moneybookers";
$monbookemail="moneybookers@yoursite.com";
$monbookreturn="http://www.yoursite.com/ok.htm";
$monbookcancel="http://www.yoursite.com/can.htm";
;
$monbookdesc="Web Services";
$monbookcurrency="USD";
$monbookcycle="31";
$monbooktotalperiod="12";

$payprocess    Selects Moneybookers

$monbookemail  Your Moneybookers account email

$monbookreturn This is the full URL that Moneybookers
                will go to after a successful sale.
```

- `$monbookcancel` This is the full URL that Moneybookers will go to if the user cancels payment at any point.
- `$monbookdesc` This is the product description shown on the checkout page of Moneybookers.
- `$monbookcurrency` This is the currency to use such as USD, GBP etc.
- `$monbookcycle` Recurring billing cycle in days. 30 or 31 days would be normal.
- `$monbooktotalperiod` Total number of charges to make.

## Using Caixagalicia

To select Caixagalicia as your payment processor set the following variables.

```
$payprocess="Caixagalicia";
$caixagcomercio="comercio";
$caixagvuelta="http://www.site.com/gracias.html"
;
$caixagmoneda="EUR";
```

- `$payprocess` Selects Caixagalicia
- `$caixagcomercio` Account id (comercio)
- `$caixagvuelta` URL after payment checkout (vuelta)
- `$caixagmoneda` Currency such as EUR (moneda)

## Using CDG Commerce

To select CDG Commerce as your payment processor set the following variables.

```
$payprocess="cdgcommerce";
$cdghome="http://www.yoursite.com";
$cdgdesc="Web Services";
$cdgreturn="http://www.yoursite.com ";
$cdgmername="MERCHANT INC";
$cdgrecipe="monthlybusiness";
```

---

<code>\$payprocess</code>	Selects CDG commerce
<code>\$cdghome</code>	Your sites homepage
<code>\$cdgdesc</code>	Description of service
<code>\$cdgreturn</code>	URL to return to on your site
<code>\$cdgmername</code>	Your merchant name at CDG
<code>\$cdgrecipe</code>	The name of the monthly recurring recipe that has been previously setup. See the CDG documentation for details.

## Using iKobo

To select iKobo as your payment processor set the following variables.

```
$payprocess="iKobo";
$ikoboid="JA12345GB";
$ikobodesc="Web Services";
```

<code>\$payprocess</code>	Selects
<code>\$ikoboid</code>	Your iKobo account id
<code>\$ikobodesc</code>	Description of service

## Using Internet Secure

To select Internet Secure as your payment processor set the following variables.

```
$payprocess="InternetSecure";
$intsecid="1234";
$intsecdesc="Web Services";
$intsecitem="WEB";
$intsecflags="{GST}{PST}{HST}";
$intsecretreturn="http://www.yoursite.com";
```

<code>\$payprocess</code>	Selects Internet Secure
<code>\$intsecid</code>	Your Internet Secure account id
<code>\$intsecdesc</code>	Description for service being sold
<code>\$intsecitemid</code>	Item number for service being sold
<code>\$intsecflags</code>	Flags for tax and currency etc. See Internet Secure documentation.
<code>\$intsecretreturn</code>	URL to return to after transaction

## Manual payment processing

If your payment processor is not currently supported or you wish to process payments manually set the following variables.

```
$payprocess="manual";  
$manualreturn=http://www.yoursite.com/thanks.htm;
```

**\$payprocess**      Selects manual handling

**\$manualreturn**    This is the full URL that the user will be taken to after checkout.

When the page is called we include the order number, total amount and recurring amount in the URL as GET variables. e.g.

```
thanks.htm?ordnum=123456&total=25.95&recurringtotal=9.95
```

## Using multiple payment processors

If you wish you can provide a choice of payment methods to your clients. For example you could allow a choice of 2checkout, Paypal or manual payment. To allow this you can list multiple payment processors in \$payprocess by separating them by commas. e.g.

```
$payprocess="2CO,Paypal,manual";
```

Having more than one payment processor listed will add an extra drop down menu to the checkout form allowing the user to choose. By default cWhois will list the processors labels (2CO, Paypal and manual for this example) in this drop down menu but you can change this by entering the text you wish to be displayed to the user in the \$payprocessnames setting as follows:-

```
$payprocessnames="Credit card,Paypal,Invoice";
```

---

## Domain suggestion system

If you wish to use the domain suggestion system (full shopping cart mode only) then you should set the following variables.

`$suggestdomains` Set to 1 to enable or 0 to disable

`$suggestmax` This is the maximum number of domains that will be checked. Don't forget that the higher this number the more time it will take. Many PHP installations have a default time out of 30 seconds which will limit this number.

To setup the keyword categories you wish to use add one line as follows for each category.

```
$suggestcategory[]="eCommerce";
```

To setup the keywords you wish to include for each category add one line as follows for each keyword.

```
$suggest[]="eCommerce,%4sale";
```

The first part defines which category the keyword is to be included with and the second the keyword suggestion. The % sign indicates where the domain name or keyword entered by the user will be placed. In this example if the user entered widget.com then widget4sales.com would be suggested.

## Tax and VAT

cWhois Domain Cart allows you to calculate tax and VAT on orders in two ways.

You can add a tax to all orders by setting the `$taxrate` variable in `cwconf.php`. For example to add 17.5% set `$taxrate=17.5`; The tax will be shown on the checkout page.

If you prefer to add tax based on the location of the purchaser then you can use an alternative method. This method allows you to define one or two entry fields from the checkout form that will be used to determine taxation. For example you could decide to add 17.5% VAT for all orders from EU countries. Some countries such as Canada have a two tier system so for example all orders from within Canada have 7% federal tax and orders from Quebec also have a 7.5% province tax.

This tax system uses the following settings in `cwcoconf.php`.

<code>\$taxratefield1</code>	This should be set to the field from the checkout form to assess the first tax.
<code>\$taxratefield2</code>	This should be set to the field from the checkout form to assess the second tax.
<code>\$taxontax</code>	Set to true if the second tax is calculated on top of the first tax. If not set to false.
<code>\$tax1[]</code>	Entry to match for tax 1 and tax rate. You can add as many of these as required (see example)
<code>\$tax2[]</code>	Entry to match for tax 2 and tax rate. You can add as many of these as required (see example)

So for example to add to add 17.5% tax to orders from the UK and France set the following:-

```
$taxratefield1="country";
$taxratefield2="";
$taxontax=false;
$tax1[]="UK,17.5";
$tax1[]="France,17.5";
$tax2[]="";
```

The match is not case sensitive and you can add extra lines to cover alternative entries such as United Kingdom.

The following is an example for Canada using the two tier system. Here all orders from Canada have 7% federal tax and orders from Quebec have a 7.5% province tax added on top.

---

```
$taxratefield1="country";  
$taxratefield2="province";  
$taxontax=true;  
$tax1[]="Canada,7";  
$tax2[]="Quebec,7.5";
```

This example assumes that you have setup a checkout form field called province in the language file english.php (more on that later).

You can define the names of the tax systems in the variables `$lang['Tax1']` and `$lang['Tax2']` in the language file english.php.

You should note that the tax amounts are not shown in the checkout form as this is displayed before the user enters their billing address. However you can add a message warning the user that tax may be added by setting the variable `$lang['TaxToAdd']` in english.php. The tax will be added and displayed in the confirmation email sent to the user and of course added to the total sent to the payment processor.

## Adding cWhois Domain Cart to your page

Now we have setup cwconf.php you are ready to add the shopping cart to your site. First of all save the changes you have made to cwconf.php.

cWhois Domain Cart can be added to most pages without making many changes. Alternatively you can add it to a blank html page.

Open the required html page in your favourite editor. Now save it but with the extension php instead of .htm. This is necessary because we make use of PHP. This will not have any affect on the layout of your page.

At the top of your page before the `<HTML>` tag add the following line that will cause cWhois to be initialised correctly when your page is loaded into a browser.

```
<?php include "cwccconf.php" ; ?>
```

Now find the part of your page (in the body) where you wish to display cWhois. If you use tables to format your page you can place it within a cell of the table. Add the following line at the required point.

```
<?php include "cwhoiscart.php" ; ?>
```

Finally upload your page and the following files which all need to be in the same directory on the server. Make sure you use the ascii (or text) method for FTP upload.

```
cwhois.php  
cwhoiscart.php  
cwccconf.php  
english.php
```

If you would like to use a different page when displaying the contact form on the checkout page you can do this by adding the following variable to cwccconf.php.

```
$checkoutpage="yourpage.php" ;
```

This is useful when for example you add instructions or details on the page that surrounds the shopping cart but do not want these displayed on the checkout page.

## **Adding a simple domain check to your site**

cWhois Domain Cart provides an extra feature allowing you to place a simple text box and button on any page of your site where a user can enter a domain name. When he clicks the button he is taken to the shopping cart and the given the appropriate purchase options. This is a great way to get somebody into the shopping cart from your home page etc without using up much page space. To do this simply create a form on any page as follows:-

---

```
<form method="get" action="yourpage.php">
<input type="text" name="domain" size="20">
<input type="submit" value="Check">
<input type="hidden" name="cwaaction" value="check">
</form>
```

An alternative method using a drop down menu for the domain extensions can also be implemented using some javascript as follows:-

```
function checkdomain(form)
{
  form.domain.value=form.domain.value+form.dex
  .options[form.dex.selectedIndex].text
}
</script>
<form method="get"
action="yourpage.php" onSubmit="checkdomain(this);">
<input type="text" name="domain" size="20">
<select name="dex">
<option value=".com">.com</option>
<option value=".net">.net</option>
<option value=".org">.org</option>
</select>
<input type="submit" value="Check">
<input type="hidden" name="cwaaction" value="check">
</form>
```

If you are using the Simple Hosting Mode you can use a link to select the required hosting package as follows:-

```
yourpage.php?h1=0
```

The h1=0 selects the first hosting package defined, h1=1 the second and so on.

## Premium domain names

Some registrars have decided to sell certain domain names at premium prices. cWhois Domain Cart will attempt to get the offered price and allows you to offer the price within the cart either at the same rate or adjusted as required (e.g. 20% increase or \$100 extra etc). This feature is currently supported with .tv, .fm and .dj.

To add support for premium domain names add a new section to the \$register entry for the domain extension separated by a comma as follows:-

```
$register[]=".tv,1:2:5,39.99:74.99:179.99,premium=*1.20";
```

The new section, premium=1.20, tells the cart to multiple the offered price by 1.20 (i.e. add 20%). To add an amount to the price do something like premium=+100.00.

It is also important to build into this price adjustment any currency exchange rate required. For example .dj premium domains are priced in Euros so if you sell in USD then you must convert the amount as well. .fm and .tv premium domains are currently priced in USD.

If you do not include the premium flag in a \$register entry then cWhois will display the domain as Premium and will allow the user to host it but not to register it.

As .tv, .fm and .dj do not have official whois servers we have to retrieve availability and offered prices via the registrar's website (your user won't see this though) and therefore there is a possibility that service could be blocked or interrupted. If you sell these domains you should regularly check that your shopping cart is working as expected.

---

## Separate pricing for short domain names

Some registrars have higher pricing for short domain names. For example .fm has higher fees for domain names of 3 characters or less. cWhois Domain Cart supports separate pricing if required.

To add separate pricing you need to add a separate section to the \$register entry for the domain extension separated by a comma as follows:-

```
$register[ ]=".cd,1:2,39.99:74.99,length(1-3)=79.99:149.99";
```

The new section, length(1-3)=79.99:149.99, tells cWhois to use the higher pricing for domain names between 1 and 3 characters in length.

You can add one length command to any domain extension as required. Currently we are aware of only .cd and .fm that have this pricing policy. .tv and .dj also normally have higher pricing for shorter domain names but these are flagged as premium and are handled as such. .fm also has premium names so you should also add the premium command as previously described for this registrar. The premium command must be defined after the length command.

## 'Please wait while' checking availability

The time it takes to verify availability of domain names depends on the connection between your server and the whois server being used. If the delay is relatively long then you can get cWhois to display a 'Please wait' message automatically. This is especially useful when you enable the domain name suggestion feature. Remember also that many installations of PHP have a 30 second maximum processing time although this can be increased. To enable the message add the following line to your template page (demo.php in our sample) on the first line after the <body> definition.

```
<?php pleasewait("Please wait while we check  
availability...",350,50,"red","lightgrey","black"); ?>
```

As you can see you can set the message, size and colours of the message box. It will be displayed in the centre of the browser and will disappear when the domain names have been checked.

---

## Chapter 3 Customising cWhois Cart

As we have implemented the application using PHP it is fairly easy to modify the script if required. To help you we have separated all of the English text, the fields used on the order form and the email messages and placed them in a separate language file called `english.php`. This enables you to easily translate the text into other languages, modify the emails sent to clients and also to add or remove entry fields used on the order form.

### Translating into other languages

To translate the script first open up `english.php` in a text editor and save it with a new name such as `french.php` etc. You will find each phrase used in the script has an entry similar to the following.

```
$lang['ToPayNow'] = "Total to pay now";
```

Simply modify the text within the quotation marke after the equals sign.

When you have finished save the file and then modify the following line in `cwccconf.php` to point to the new file you have created.

```
include "english.php";
```

### Modifying the order form fields

You can easily add or remove entry fields from the order form. To do this open up the language file and scroll down to find the entry field definitions which look as follows.

```
$cform[] = "name,Name,You must enter your name";
```

As you can see this is split into three comma separated parts. The first part specifies the html field name. The second specifies the label displayed on the screen. The third specifies the javascript warning to be displayed if the user tries to leave the field empty. Leave the warning blank if the field can be left blank (such as fax etc).

For the name and email fields you must use the html field names 'name' and 'email' although you can obviously translate the displayed labels as required. This is because the script requires these two fields.

You can add, remove or edit fields as required.

## Modifying the email messages

The subject and text of the email messages sent to the client and vendor confirming the order can easily be modified. Open up the language file and scroll down to the customer or vendor email section as required.

The first line defines the subject of the email. The rest of the lines define the body text of the email. Within the text you can get cWhois to automatically insert data using the following variables.

!!!vendorcompany!!!	You company name
!!!vendoremail!!!	You company email address
!!!ordnum!!!	The unique cWhois order no
!!!orderdetails!!!	Full order details will be inserted here. This should be on a blank line.
!!!ipaddress!!!	Users IP address
!!!htmlfield!!!	You can insert any data entered on the order form. For example to insert the users name then use

---

!!!name!!! and for the city use  
!!!city!!! etc.

!!!formfields!!!

This will insert all of the entered data from the order form. This variable should be on a blank line.



## Chapter 4 Support

Hopefully if you have followed this manual carefully everything will be working fine. However sometimes things don't go quite so smoothly so if you have any questions or problems please email us at [support@vibralex.com](mailto:support@vibralex.com).

Here are some of the questions we have been asked before.

### **Can we use the Domain Cart on more than one page**

Yes. The license allows you to install it in as many pages as you require on one domain. This is useful if you wish to have separate shopping carts for different currencies or payment processors. You may also wish to use both the full shopping cart and the simple hosting mode. Normally all that is required is to have different configuration files (`cwconf.php`) as the other files remain the same.

### **Can we access the cWhois function from our own application?**

Yes as long as you as you respect our license agreement and only use our code on one domain (unless you have purchased extra licenses of course). Contact us for details about the function parameters.

### **Can we add support for domains not currently included?**

We have tried to support all domains that have a publicly accessible whois server. We may if requested be able to add support for other domain types that have at least access to whois information via a script or similar. We have done this with the Malaysian `.my` extension for example.

### **Can cWhois actually register domain names automatically?**

We have tried to keep the shopping cart as easy to setup and use as possible and decided not to support automatic domain registration.



# Appendix A Domains Supported

cWhois Domain Cart can check availability and perform a whois lookup with over 400 domain extensions. All other domain extensions are supported for hosting only. For most domain names we have access to the registrar's whois server. Some others do not provide a whois server so we attempt to access the details via their website. Check our website for the latest list.

.com	.net	.org	.info	.name	.biz	.cc	.edu	.mil	.int	.coop
.aero	.museum	.ac	.af	.com.ag	.edu.ag	.gov.ag	.net.ag	.org.ag	.ag	.am
.as	.ac.at	.co.at	.gv.at	.or.at	.at	.asn.au	.com.au	.edu.au	.id.au	.net.au
.org.au	.ac.be	.be	.bg	.agr.br	.am.br	.art.br	.com.br	.coop.br	.esp.br	.etc.br
.far.br	.fm.br	.g12.br	.gov.br	.imb.br	.ind.br	.inf.br	.mil.br	.net.br	.org.br	.psi.br
.rec.br	.srv.br	.tmp.br	.tur.br	.tv.br	.edu.br	.nom.br	.adm.br	.adv.br	.arq.br	.ato.br
.bio.br	.bmd.br	.cim.br	.cng.br	.cnt.br	.ecn.br	.eng.br	.eti.br	.fnd.br	.fot.br	.fst.br
.ggf.br	.jor.br	.lel.br	.mat.br	.med.br	.mus.br	.not.br	.ntr.br	.odo.br	.ppg.br	.pro.br
.psc.br	.qsl.br	.trd.br	.vet.br	.zig.br	.br	.com.bz	.net.bz	.org.bz	.bz	.bc.ca
.mb.ca	.nb.ca	.nf.ca	.ns.ca	.nt.ca	.on.ca	.pe.ca	.qc.ca	.sk.ca	.yk.ca	.ca
.cd	.cl	.ch	.co.ck	.edu.ck	.gov.ck	.net.ck	.org.ck	.cm	.edu.cn	.ac.cn
.ah.cn	.bj.cn	.com.cn	.cq.cn	.gd.cn	.gov.cn	.gs.cn	.gx.cn	.gz.cn	.hb.cn	.he.cn
.hi.cn	.hk.cn	.hl.cn	.hn.cn	.jl.cn	.js.cn	.mo.cn	.net.cn	.nm.cn	.nx.cn	.ln.cn
.org.cn	.qh.cn	.sc.cn	.sh.cn	.sn.cn	.tj.cn	.tw.cn	.yn.cn	.xj.cn	.xz.cn	.zj.cn
.cn	.cx	.cz	.de	.dj <sup>1,3</sup>	.dk	.ee	.com.ee	.pri.ee	.fie.ee	.org.ee
.med.ee	.fi	.ac.fj	.biz.fj	.com.fj	.gov.fj	.info.fj	.mil.fj	.name.fj	.net.fj	.org.fj
.pro.fj	.school.fj	.fm <sup>1,3</sup>	.fo	.asso.fr	.com.fr	.nom.fr	.prd.fr	.presse.fr	.tm.fr	.fr
.co.gg	.gov.gg	.net.gg	.org.gg	.sch.gg	.gg	.gl	.gm	.gr <sup>2,4</sup>	.com.gr <sup>2,4</sup>	.net.gr <sup>2,4</sup>
.org.gr <sup>2,4</sup>	.edu.gr <sup>2,4</sup>	.gov.gr <sup>2,4</sup>	.gs	.com.hk	.edu.hk	.gov.hk	.net.hk	.org.hk	.hm	.co.hu
.info.hu	.org.hu	.priv.hu	.sport.hu	.tm.hu	.hu	.co.id	.net.id	.or.id	.web.id	.sch.id
.go.id	.ac.id	.mil.id	.war.net.id	.ie	.ac.il	.co.il	.gov.il	.idf.il	.k12.il	.muni.il
.net.il	.org.il	.in	.co.in	.org.in	.net.in	.gen.in	.firm.in	.ind.in	.ac.ir	.co.ir
.gov.ir	.id.ir	.net.ir	.org.ir	.sch.ir	.ir	.is	.it	.je	.jp	.ac.jp
.ad.jp	.co.jp	.ed.jp	.go.jp	.ne.jp	.or.jp	.geo.jp	.ac.ke	.co.ke	.go.ke	.ne.ke
.or.ke	.sc.ke	.ac.kr	.co.kr	.go.kr	.ne.kr	.or.kr	.pe.kr	.re.kr	.seoul.kr	.kyonggi.kr
.la	.li	.lt	.lu	.asn.lv	.com.lv	.conf.lv	.edu.lv	.gov.lv	.id.lv	.mil.lv
.net.lv	.org.lv	.lv	.tm.mc	.asso.mc	.mc	.ms	.com.mt	.edu.mt	.net.mt	.org.mt
.tm.mt	.uu.mt	.mt	.com.mx	.edu.mx	.gob.mx	.net.mx	.org.mx	.mx	.com.my	.edu.my
.net.my	.org.my	.gov.my	.mil.my	.my	.nl	.no	.nu	.biz.pl	.com.pl	.net.pl
.org.pl	.pl	.ac.nz	.co.nz	.cni.nz	.gen.nz	.govt.nz	.iwi.nz	.net.nz	.org.nz	.mil.nz
.pm	.school.nz	.re	.arts.ro	.com.ro	.firm.ro	.info.ro	.nom.ro	.nt.ro	.org.ro	.rec.ro
.store.ro	.tm.ro	.www.ro	.ro	.com.ru	.net.ru	.org.ru	.ru	.com.sa <sup>1</sup>	.edu.sa <sup>1</sup>	.gov.sa <sup>1</sup>
.med.sa <sup>1</sup>	.net.sa <sup>1</sup>	.org.sa <sup>1</sup>	.pub.sa <sup>1</sup>	.sch.sa <sup>1</sup>	.pp.se	.press.se	.org.se	.se	.com.sg	.edu.sg
.gov.sg	.not.sg	.org.sg	.per.sg	.sh	.com.sh	.co.sh	.net.sh	.org.sh	.edu.sh	.gov.sh
.mil.sh	.si	.sk	.sm	.st	.su	.tc	.tf	.ac.th	.co.th	.go.th
.in.th	.mil.th	.net.th	.or.th	.tj	.tk	.tm	.to	.bbs.tr	.com.tr	.edu.tr
.gen.tr	.gov.tr	.k12.tr	.mil.tr	.net.tr	.nom.tr	.org.tr	.tv <sup>1,3</sup>	.com.tw	.idv.tw	.net.tw
.org.tw	.com.ua	.edu.ua	.gov.ua	.org.ua	.net.ua	.co.ug	.or.ug	.ac.ug	.sc.ug	.go.ug
.ne.ug	.ac.uk	.co.uk	.co.uk	.ltd.uk	.me.uk	.net.uk	.org.uk	.plc.uk	.sch.uk	.uk.co
.us	.va	.vg	.com.ws	.edu.ws	.gov.ws	.net.ws	.org.ws	.ws	.au.com	.br.com
.cn.com	.de.com	.eu.com	.eu.org	.gb.com	.gb.net	.hu.com	.no.com	.qc.com	.ru.com	.sa.com
.se.com	.se.net	.uk.com	.uk.net	.us.com	.uy.com	.za.com				

1. These domains do not have a dedicated whois server but we are able to retrieve the data using other methods.

2. These domains allow checking of availability but do not provide full whois data.

3. These domains have premium domain names supported by cWhois.

4. .gr domains require a username and password issued by your registrar. Contact [www.papaki.gr](http://www.papaki.gr)