



# ISPAPI DomainCheck Addon

High performance availability check using WHMCS & HEXONET

**Version 7.0**

October 10, 2016



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### **ISPAPI DomainCheck Addon**

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October 10, 2016

The logo for HEXONET, featuring the word "HEXONET" in a bold, blue, sans-serif font. The "X" is stylized with a horizontal line through it.

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## Introduction

The ISPAPI DomainCheck Addon provides your customer a new **simple and usable** way to check the availability of domains. It supports all the **new TLDs** (.GURU, .BIKE, .TODAY, ...), the **NAMEMEDIA Aftermarket Premium Domains** and the **Donuts, RightSide, .BUILD, .CEO & .MENU Registry Premium Domains and many others**.

This new checker connects automatically with the configured ISPAPI registrar module and provides **high speed checks** for TLDs with ISPAPI as registrar provisioning and normal checks (over WHOIS) for the others.

For **better performance**, the checker uses an ajax driven search and the search results are **cached** until the page is reloaded. The checker displays the TLDs in 2 levels of categories. **Categorization** can be easily done with a simple category editor available in the WHMCS backend.

The search can also be triggered over the URL, especially interesting when you've chosen to create a landing page for a special TLD. (See Special Features)

## Domain Checker

[Portal Home](#) / [Domain Checker](#)**new TLDs** generic TLDs country code TLDs Other**Popular**

Business

Shopping &amp; eCommerce

Food &amp; Drink

red

Check Availability

### Search Results

<input type="checkbox"/>	red.camera	PREMIUM	1 Year/s @ €1.111,00 EUR ▾
<input type="checkbox"/>	red.domains	Available	1 Year/s @ €13,90 EUR ▾
<input type="checkbox"/>	red.email	Available	1 Year/s @ €14,90 EUR ▾
<input type="checkbox"/>	red.guru	Available	1 Year/s @ €29,90 EUR ▾
	red.com	Taken	WWW WHOIS TRANSFER
	red.net	Taken	WWW WHOIS TRANSFER

[Order Now »](#)

EUR USD

## Supported Features

The ISPAPI DomainCheck addon supports the following functions and features:

- High-performance Domain Availability Checks using our registrar API
- Support for the new gTLDs (.BIKE, .EMAIL, .SEXY, and many others ...)
- Support of Namemedia Aftermarket premium domains
- Support of Donuts, RightSide, .BUILD, .CEO & .MENU Registry premium domains and many others.
- Categorization of the TLDs in 2 levels for an improved user experience
- Various performance optimizations
- Ajax driven search (no page reload)
- Multiple currencies
- Search trigger over the URL (interesting for landing pages)
  - For example: *mydomainchecker.php?search=mydomain.com&cat=3*  
Will trigger the search of “mydomain.com” in the category ID=3
- Easy to install

# Getting started

## 1.Requirements

In order to run the ISPAPI DomainCheck addon, your WHMCS installation must meet the following requirements:

- WHMCS version 7.0 or higher must be installed.  
**If you are using WHMCS 6.x, please ask us.**
- ISPAPI Registrar Module version 1.0.15 or higher must be installed. This module can be downloaded here: [https://wiki.hexonet.net/index.php/WHMCS\\_Modules](https://wiki.hexonet.net/index.php/WHMCS_Modules).
- HEXONET Live or Test Account must be configured in the ISPAPI Registrar Module. Account creation is free on our website: [www.hexonet.net](http://www.hexonet.net).
- The standard WHMCS Cron Job must be configured. You will find all the information about this subject here: <http://docs.whmcs.com/Crons>.

## 2.Installation

Copy all files from the **install/** subdirectory to your WHMCS installation root directory (**\$YOUR\_WHMCS\_ROOT**), while keeping the folder structure intact.

E.g.

```
install/modules/addons/ispapidomaincheck/ajax.php  
=> $YOUR_WHMCS_ROOT/modules/addons/ispapidomaincheck/ajax.php
```

## 3.Configuration

### a) Addon activation

Within the WHMCS Admin area, go to

**Setup** => **Addon Modules**

» ISPAPI DomainCheck The ISPAPI DomainCheck use the configured ISPAPI registrar module to check the availability of domains.		7.0.0	HEXONET	Activate	Deactivate	Configure
---	--	-------	---------	----------	------------	-----------

Admin username	<input type="text" value="admin"/>	[REQUIRED]
Access Control	Choose the admin role groups to permit access to this module: <input checked="" type="checkbox"/> Full Administrator <input type="checkbox"/> Sales Operator <input type="checkbox"/> Support Operator	

Save Changes

Activate the ISPAPI DomainCheck Addon, fill the admin username and give the module “Full Administrator” Access Control right.

### b) Addon configuration

Within the WHMCS Admin area, go to

**Addons** => **ISPAPI DomainCheck**

Choose whether or not to show the aftermarket and the registry premium domains.

If you want to sell aftermarket Premium Domains and your WHMCS default currency is NOT set to USD you have to fill the conversion rates here.

ISPAPI DomainCheck

General Settings   Category Editor

**Aftermarket Premium Domains**

Show aftermarket premium domains   ☒ Yes   ☐ No

Aftermarket conversion rates   Aftermarket Premium Domains are charged in USD. A currency conversion rate is required in order to display the price in your selling currencies. If your WHMCS default currency is set to USD you don't need to fill the conversion rates here.

1 USD =  EUR

1 USD =  CHF

**Registry Premium Domains**

Show registry premium domains   ☐ Yes   ☒ No

Save Changes



Click the “Category Editor” tab to create your own checker organized in 2 levels.

Please be aware that a TLD will only be displayed in the search results if it is also inserted in the Domain Pricing list. ( [Setup](#) => [Products/Services](#) => [Domain Pricing](#) )

E.g.

### Backend

#### ISPAPI DomainCheck

General Settings

Category Editor

new TLDs		
Popular	ninja social camera diamonds domains email guru land sexy tattoo singles bike	
Business	camera company computer enterprises equipment holdings management solutions support	
Shopping & eCommerce	bike camera clothing diamonds tatoo tips voyage	
Food & Drink	kitchen menu tips today	
generic TLDs		
Top 5	com net org info biz	
Other	aero mobi asia name pro xxx jobs tel	
country code TLDs		
Europe	fr de it nl lu	
Other		
SALES (-20%)	guru diamonds	
(Fill to add a new category)		

Save Changes

Frontend

## Domain Checker

[Portal Home](#) / [Domain Checker](#)

new TLDs   generic TLDs   country code TLDs   Other

Popular

Business

Shopping &amp; eCommerce

Food &amp; Drink

eg. example.com

Check Availability

All TLD Pricing

 EUR  USD

## c) Premium Pricing

A new hidden product group named “PREMIUM DOMAIN” with several hidden products was created automatically by the installation.

**NEVER EDIT THE GROUP NAME**

### i. Registry Premium Products

The registries splits their premium domains into different classes. Each class is represented by one recurring product in WHMCS.

#### Products/Services



This is where you configure all your products and services. Each product must be assigned to a group which can either be visible or hidden from the order page (products may also be hidden individually). A product which is in a hidden group can still be ordered using the Direct Order Link shown when editing the package.

Options: [Create a New Group](#) | [Create a New Product](#) | [Duplicate Product](#)

Product Name	Type	Sort Order	Pay Type	Stock	Auto Setup	
Group Name: PREMIUM DOMAIN (Hidden)						
PREMIUM_DONUTS_A (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_A+ (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_AA (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_AA+ (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_AAA (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_AAAA (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_B (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_B+ (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_BB (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_BB+ (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_BBB (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	
PREMIUM_DONUTS_BBBB (Hidden)	Other Product/Service (Ispapipremium)	<input type="text" value="0"/>	Recurring	-	After First Payment	

Update Sorting

Initially, all products have been created without the price. You have to set the price of each product by editing each product. The price has to be set in the “Annually” column for all currencies.

## Products/Services



## Edit Product

Details

Pricing

Module Settings

Custom Fields

Configurable Options

Upgrades

Free Domain

Other

Links

Payment Type

Free

One Time

Recurring

Currency		One Time/Monthly	Quarterly	Semi-Annually	Annually	Biennially	Triennially
EUR	Setup Fee				0.00		
	Price				1234.00		
	Enable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USD	Setup Fee				0.00		
	Price				1234.00		
	Enable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Allow Multiple Quantities

☐ Tick this box to allow customers to specify if they want more than 1 of this item when ordering (must not require separate config)

Recurring Cycles Limit

To limit this product to only recur a fixed number of times, enter the total number of times to invoice (0 = Unlimited)

Auto Terminate/Fixed Term

Enter the number of days after activation to automatically terminate (eg. free trials, time limited products, etc...)

Termination Email

None

Choose the email template to send when the fixed term comes to an end

Prorata Billing

☐ Tick this box to enable

Prorata Date

Enter the day of the month you want to charge on

Charge Next Month

Enter the day of the month after which the following month will also be included on the first invoice

Save Changes

Back to Product List

Not all price classes have been added in your system. Feel free to add new price classes by adding a new product. (you can check how it is configured in the existing products)

## d) Domain Pricing

Fill all the TLDs you want to sell and select the registrar you want to use.

**Be aware that high-performance domain availability checks using our registrar API will only be provided with the “Ispapi” and “Hexonet” registrar.**

### Domains/TLDS

[Help](#)

This is where you configure the TLDs that you want to allow clients to register or transfer to you. As well as pricing, you can set which addons are offered with each TLD, if an EPP code is required for transfers, and whether registration should be automated and if so, with which registrar.

TLD	Pricing	DNS Management	Email Forwarding	ID Protection	EPP Code	Auto Registration		
<input type="text" value=".com"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".net"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".org"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".de"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".fr"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".it"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".asia"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".mobi"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".pro"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".name"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".travel"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>
<input type="text" value=".aero"/>	<a href="#">Open Pricing</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Ispapi	<input type="button" value="↕"/>	<input type="button" value="⊖"/>

## e) Switching the template

**[ONLY REQUIRED IF YOU WANT TO SELL PREMIUM DOMAINS]**

Within the WHMCS Admin area, go to

**Setup** => **General Settings**

Click the “Ordering” tab and set your Default Order Form Template to “Ispapi”.

General Settings

The screenshot shows the WHMCS General Settings - Ordering tab. The 'Order Days Grace' field is set to 15. The 'Default Order Form Template' is set to 'Ispapi'. The 'Ordering' tab is selected, and the 'Default Order Form Template' dropdown is open, showing various templates: Boxes, Cart, Comparison, Ispapi (selected), Ispapi\_old, Modern, Slider, and Verticalsteps.

If you've developed your own orderform template and you don't want to change it, please contact us, we will be glad to assist you.

## f) Allow the Smarty PHP Tags

Within the WHMCS Admin area, go to

**Setup** => **General Settings**

Click the “Security” tab and enable the Smarty PHP Tags.

## g) Redirect or replace the WHMCS domainchecker file

There are 3 ways doing this task. Please choose one of them. We recommend using the first two methods because with the last **you have to resume this task after each module update**.

### a) Redirect the file

To redirect the WHMCS domainchecker.php to mydomainchecker.php, you have to add the following Apache configuration into your <VirtualHost> section:

```
RewriteEngine on
RewriteRule /domainchecker.php /mydomainchecker.php
```

### b) Add an .htaccess file

Create an ".htaccess" file in your WHMCS installation root directory with the following content:

```
RewriteEngine on
RewriteRule ^domainchecker.php$ mydomainchecker.php
```

### c) Replace the file

Rename the WHMCS domainchecker.php file into domainchecker\_save.php and finally rename the mydomainchecker.php file into domainchecker.php.

## h) Enable Module Debug Logging

Go to **Utilities** => **Logs** => **Module Log** and click the button "Enable Debug Logging". The module will log all important API commands. In case of problems the support will be able to react faster.

## 4. Test your installation

Go to your homepage, fill the input field with a domain and click the “Check Availability” button. If the result looks like the following screen-shot, your installation is a success and you are now ready to start selling domains with your new ISPAPI DomainCheck Addon.

The screenshot displays the WHMCS Domain Checker interface. At the top, the WHMCS logo is on the left, and navigation links (Home, Announcements, Knowledgebase, Network Status, Contact Us, Account) are on the right. A user notification indicates they are logged in as an admin. The main heading is 'Domain Checker'. Below it, there are tabs for 'new TLDs', 'generic TLDs', 'country code TLDs', and 'Other'. Under 'new TLDs', there are buttons for 'Popular', 'Business', 'Shopping & eCommerce', and 'Food & Drink'. A search input field contains the text 'web', and a 'Check Availability' button is next to it. Below the search bar, a 'Search Results' section shows a table of domain availability results.

Domain	Status	Price
<input type="checkbox"/> web.camera	DONUTS PREMIUM	1 Year/s @ €1.455,00 EUR
<input type="checkbox"/> web.domains	Available	1 Year/s @ €13,90 EUR
<input type="checkbox"/> basbwe.com	NAMEMEDIA PREMIUM	Price: €2.295,00 EUR
<input type="checkbox"/> BweOnline.com	NAMEMEDIA PREMIUM	Price: €2.494,00 EUR
<input type="checkbox"/> web.email	Available	1 Year/s @ €14,90 EUR
<input type="checkbox"/> web.guru	DONUTS PREMIUM	1 Year/s @ €1.090,00 EUR

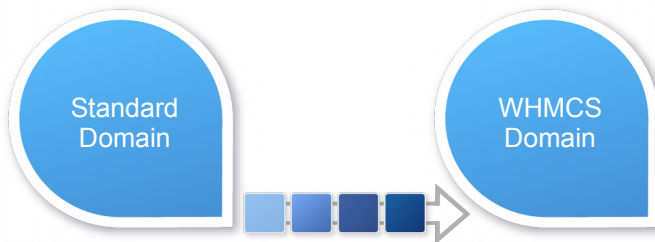


## Start selling domains

Our ISPAPI DomainChecker Addon supports 3 types of domains:

- Standard domains
- Namemedia Aftermarket Premium domains
- Registry Premium domains

### 1. Standard domains



The well known way of ordering a normal domain:

1. The customer creates a Standard Domain order.
2. The domain will be displayed in the domain list and can be managed.

## 2. Aftermarket Premium domains



The price of a Namemedia Aftermarket Premium Domain is defined by Namemedia and it's a one time price for the registration.

The renewal price is no longer defined by Namemedia. The price will be the renewal price of the respective TLD you have configured in WHMCS.

The domain can be renewed manually by the customer in the domain configuration like a normal domain.

### Workflow:

1. The customer creates an Aftermarket Premium Domain order.
2. A one time product will be created on the fly for this domain. (with the corresponding price)
3. The domain will be first displayed in the product list.
4. The progress of the domain application will be displayed in the product area. Once the domain status is set to "ACTIVE" the product will be displayed in the domain list and can be managed. This action is realized automatically when the customer opens the respective product in the product area and will also be done per cron job once per day.

### 3. Registry Premium domains



The registries splits its premium domains in different classes. Each class is represented by one recurring product in WHMCS. You are allowed to define the price of each class in the product area. (See Premium Pricing)

The Registry Premium Domain can't be renewed at the normal TLD price but require the same price as the registration.

The domain can't be renewed manually by the customer but will be renewed automatically while the product isn't cancelled. The administrator is able to renew the product manually in the admin area.

In this case the domain is free because included with the product.

#### Workflow:

1. The customer creates a Registry Premium Domain order.
2. The corresponding recurring product for this domain will be assigned and ordered.
3. The domain will be first displayed in the product list.
4. The progress of the domain application will be displayed in the product area. Once the domain status is set to "ACTIVE" the product will be displayed in the domain list and can be managed. This action is realized automatically when the customer opens the respective product in the product area and will also be done per cron job once per day.

## Special Features

### 1. Trigger the search over the URL

In some cases you would like to be able to trigger a search over the URL, our module can do that.

It is especially interesting when you've decided to create a landing page for a special TLD.

Example:

URL: `www.yoursite.com/domainchecker.php?search=test.com&cat=5`

This call will start a search of "test.com" and only display the TLDs configured in the category with ID=5.

## Support

If you cannot find what you need here, please visit our online wiki or contact our support, we will assist you.

- **Wiki:** [wiki.hexonet.net](http://wiki.hexonet.net)
- **Technical Support:** [support@hexonet.net](mailto:support@hexonet.net)