

ISPAPI Registrar Module

Domain Management using WHMCS & HEXONET

Version 1.0.16 (or later version)

July 9, 2014



Offers full support for WHMCS 5.3

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Supported Features

The registrar module supports the following functions and features:

- Domain Registration
- Domain Transfer (with AuthInfo code support)
- Domain Management
 - Domain locking
 - Update Contact Information (with UTF-8 support)
 - Change Nameservers
 - Nameserver Registration (Add, Modify, Delete)
 - Explicit Deletions supported in Admin panel
- Domain Renewal
 - Special handling for registries without explicit renewals (many ccTLDs)
- DNS Management
 - Record-Types: A, AAAA, MX, MXE, CNAME, TXT
 - Allows user defined TTL values and MX priorities
- Email forwarding
- URL forwarding
 - Redirect using HTTP
 - Forward using HTML Frame
- Optional TLS/SSL for API connection
 - Supports proxy server for accelerated API access
- Support for testing environment
- WHOIS Privacy management of .CA domain names
- Change of Registrant for .CA domain names
- Support for WHOIS Privacy / ID Protection
 - Uses privacy service WHOISTRUSTEE.com
 - ID Protection toggle in Admin area gets synchronized
 - Client area WHOIS Privacy management
- Support for all bulk update operations



- Support for IDNs
 - automatically selects IDNA2008 if supported by TLD (e.g. .de)
 - · uses API based IDN conversion by default
 - can be configured to use PHP method instead
- Support for new domain sync method (_Sync)
 - Workaround for ccTLDs that need to get renewed before expiration
- Support for new transfer auto-completion (_TransferSync)
- · ispapisync.php got deprecated

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/registrars/ispapi/ispapi.php
=> $YOUR_WHMCS_ROOT/modules/registrars/ispapi/ispapi.php
```

Configuration

Reseller Credentials

Within the WHMCS Admin area, go to

Setup => Products/Services => Domain Registrars

Activate the new registrar Ispapi, and enter your credentials:



Make sure that the account you are using is set to renewalmode AUTOEXPIRE Otherwise domains might be renewed without being paid for by the customer



Nameservers

If you want to use DNS/URL/Emailforwarding, domains must resolve to the ISPAPI nameserver cluster (ns1.ispapi.net, ns2.ispapi.net, ns3.ispapi.net).

You might want to enter them in **Setup => General Settings => Domains** as **Default Nameservers** for your customers:



You can also create your own nameserver hostnames and use them, as long as they are registered and resolve to the correct IP addresses.

Click on Save Changes, and setup your TLDs on Setup => Domain Pricing.

Also you should make sure to run the WHMCS Domain Sync at least once per day:

php -q \$YOUR_WHMCS_ROOT/crons/domainsync.php

More information about the Domain Sync can be found here:

http://docs.whmcs.com/Domains Tab#Domain Sync Enabled



Additional domain fields

The registration of some extension requires sometimes additional domain fields. (e.g. Legal Type and CIRA Agreement for .CA domain)

In order to provide this additional fields on the registration page and map them with our module you have to extend the **\$additionaldomainfields** array in the **includes/additionaldomainfields.php** file.

Our module supports the following new config fields: **Ispapi-Name**, **Ispapi-Options**, **Ispapi-Replacements**, **Ispapi-IgnoreForCountries** and **Ispapi-Eval**.

Ispapi-Name (string): Name of the parameter in Ispapi

Ispapi-Options (string): Comma-separated list of parameter values, the order must match the ones in **Options**. The mapping of values from **Options** to **Ispapi-Options** is stored in **Ispapi-Replacements**

Ispapi-Replacements (array): If the parameter value is a valid key of this array, it gets replaced by the respective value. Indirect use via Ispapi-Options is preferred, direct use makes sense to map older values for backwards compatibility.

Ispapi-Eval (string): PHP code to execute, the parameter value after all replacements is stored in \$value

In our module you will find a file named "additionaldomainfields.php" containing a lot of preconfigured extension running with our systems. This file will assist you configuring the WHMCS additionalfomainfields file located unter:

includes/additionaldomainfields.php.

Examples:

```
$additionaldomainfields[".us"][] = array(
    "Name" => "Nexus Category",
    "Type" => "dropdown",
    "Options" => "C11,C12,C21,C31,C32",
    "Default" => "C11",

"Ispapi-Name" => "X-US-NEXUS-CATEGORY"
);

// maps the "Nexus Category" value on the Ispapi parameter
// "X-US-NEXUS-CATEGORY".
```

```
// e.g. for "C31": X-US-NEXUS-CATEGORY=C31
$additionaldomainfields[".us"][] = array(
     "Name" => "Application Purpose",
     "Type" => "dropdown",
     "Options" => "Business use for profit, Non-profit
business, Club, Association, Religious Organization, Personal
Use, Educational purposes, Government purposes",
     "Default" => "Business use for profit",
     "Ispapi-Name" => "X-US-NEXUS-APPPURPOSE",
     "Ispapi-Options" => "P1, P2, P2, P2, P2, P3, P4, P5",
);
// maps the "Application Purpose" value on the Ispapi parameter
// "X-US-NEXUS-APPPURPOSE".
// e.g. for "Personal Use": X-US-NEXUS-APPPURPOSE=P3
$additionaldomainfields[".us"][] = array(
     "Name" => "Nexus Country",
     "Type" => "text",
     "Size" => "2",
     "Default" => ""
     "Required" => true,
     "Ispapi-Name" => "X-US-NEXUS-VALIDATOR",
     "Ispapi-Eval" => '$value = strtoupper($value);'
);
// maps the "Nexus Country" value on the Ispapi parameter
// "X-US-NEXUS-VALIDATOR", converting to uppercase.
// e.g. for "de": X-US-NEXUS-VALIDATOR=DE
$additionaldomainfields[".sg"][] = array(
     "Name" => "Registrant Type",
     "Type" => "dropdown",
     "Options" => "Individual, Organisation",
     "Default" => "Individual",
     "Ispapi-Eval" => 'if ( $value == "Individual" )
{ unset($command["OWNERCONTACTO"]["ORGANIZATION"]); }'
);
// does not map any value, but unsets
// $command["OWNERCONTACTO"]["ORGANIZATION"]
// if the value is "Individual"
```



```
$my local presence = array(
     "FIRSTNAME" => "John",
     "LASTNAME" => "Doe",
     "ORGANIZATION" => "Local Presence",
     "STREET" => "Via Presence 123",
     "CITY" => "Milano",
     "STATE" => "MI"
     "ZIP" => "12345"
     "COUNTRY" => "IT"
     "PHONE" => "+39.123456",
     "EMAIL" => 'info@localprecense.it'
);
$additionaldomainfields[".it"][] = array(
     "Name" => "Local Presence",
     "Type" => "dropdown",
     "Options" => ",Use Local Presence Service",
     "Default" => "",
     "Required" => false,
     "Ispapi-Options" => "0,1",
     "Ispapi-Eval" => 'if ( $value ) {
           $command["OWNERCONTACTO"] = $my local presence;
           $command["ADMINCONTACTO"] = $my_local_presence;
           command["X-IT-PIN"] = "1234567";
     }'
);
// simple custom local presence service for .it
```

UTF-8 Support

For WHMCS < 5, if the system charset for WHMCS is set to utf8, the ISPAPI module will enable some workarounds to support UTF-8 for domain registrations, transfers and contact updates.

For WHMCS >= 5, it uses the original unmodified parameters as provided by the system.

In any case, the module should be able to handle umlauts and special characters in whois contacts, as long as the respective registry supports it.

For registries that don't support umlauts, some characters will be mapped automatically, e.g. é to e, ö to oe and so o.



Domain Name WHOIS Privacy

The registrar module fully supports the WHOIS Privacy service WHOISTRUSTEE.com:



Support for WHOIS Privacy (aka ID Protection in WHMCS) been integrated in two ways:

Support for the new WHMCS 'toggle ID protection' functionality

Whenever the ID protection flag gets enabled or disabled in the WHMCS Admin area, the module synchronizes the new protection status to the domain.

This functionality is compatible to the WHMCS API "domaintoggleidprotect" call.

If the ID Protection flag gets disabled in the Admin area, clients will not be able to re-renable WHOIS Privacy themselves, but it can only be re-enabled by an admin!

Client area WHOIS Privacy management

The registrar module registers a new client area function, which will only be visible when using a template thats compatible to the new WHMCS 5 default one.

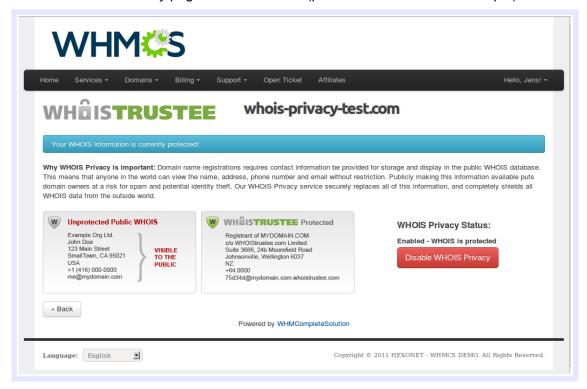
In the **Management Tools** section of a domain that got ID Protection enabled, there's a new item called **WHOIS Privacy**.



Using that new function, a client can verify the current protection status, and enable or disable it automatically.



The new WHOIS Privacy page looks as follows (protection is enabled in example):





Special features for .CA domain names

The registrar module supports 2 more features for .CA domain names:

- .CA Registrant Whois Privacy
- .CA Change of Registrant

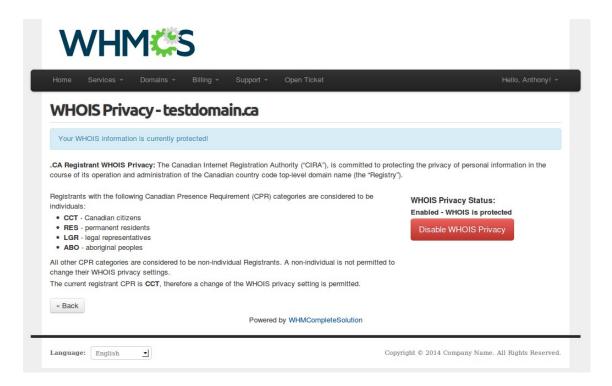
You will find these new features under "Management Tools".



.CA Registrant WHOIS Privacy

The new WHOIS Privacy page for .CA domain names looks as follows (protection is enabled in example):

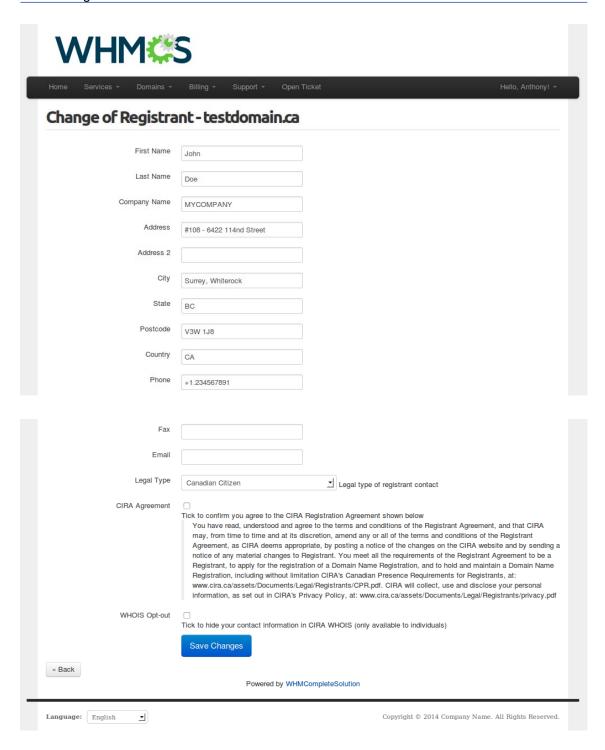




.CA Change of Registrant

The new Change of Registrant page for .CA domain names looks as follows:





Ispapi Domain Import

The package includes an addon module for the admin area, Ispapi Domain Import.

You can use it to automatically import domain names from your ISPAPI account into WHMCS.

Just enter the list of domains into the **Domains** field, or pull the list from your account, select a payment gateway, a default currency for new client accounts, and press **Import Domains**.

For each domain, the tool will create a new WHMCS client account using the selected currency and the registrant info, if there's no existing WHMCS client account using the same email address.

Also it will use the current renewal prices as the recurringamounts of imported domain names, using the respective client account currency.