

Tools 4 ISP

Simple solutions for complex connections

WHMCS Donuts Module - Installation and Userguide



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1. Introduction WHMCS Donuts Module

First of all, thank you for purchasing our WHMS Donuts Module. With this module you can manage your Donuts domain names through your WHMCS admin panel. After installed this module you'll be able to control directly the following options from your WHMS regarding the Donuts domain names registered at the Donuts registrar.

1.1 Functions WHMCS Donuts Module

- Register domain name
- Domain name transfer
- Domain name cancel
- Domain name renewal
- Provide EPP Code
- Managing DNSsec settings
- Changing Name Servers
- Automatic Name Server change after incoming transfer
- Change contact information (holder/tech/admin)
- Automatically process incoming transfers

Before you start following this user guide, check if the Donuts Module version number of this user guide matches with your Donuts module version number. (version number user guide: see bottom frontpage, version Donuts Module: see setup -> products/services -> domain registrars).

1.2 System requirements

System requirements:

- ▶ WHMCS installation
- ▶ Tools4ISP module (free addon)
- ▶ PowerDNS (only if used Managing DNS)
- ▶ Ioncube loader (current version)
- ▶ PHP 7.1+
- ▶ PHP MySQLi
- ▶ MySQL (5+)

This module is fully tested with WHMCS v8.4.1 and PHP v7.3.27 (from Debian, with Zend OPcache). The modules might work with other versions, however we can't really support it in dept and we can't guarantee it.

2. Other registrar modules

Other registrar modules that tools 4 ISP provides for WHMCS can be ordered at www.tools4isp.com

- WHMCS Registrar module for DNS.be
- WHMCS Registrar module for RRPproxy
- WHMCS Registrar module for Donuts

3. Installation WHMCS Donuts Module

Before you start the installation , you must first collect the following required information:

- Donuts User name
- Donuts Password
- Donuts Host name (epp.Donuts.net)
- Donuts Portnumber (700)
- Donuts handles (contact handles)
- Tools 4 ISP Donuts License key

If used DNSsec You'll need also the following information:

- MySQL DNSsec user name
- MySQL DNSsec Password
- MySQL DNSsec Host name
- MySQL DNSsec Database name

Before you install the WHMCS Donuts Module (or any other registrar module developed by Tools4ISP), you'll need to install the Tools4ISP module, this module handles the configuration of our software. The Tools4ISP module is attached by your WHMCS Donuts Module purchase.

3.1 Upload/Install the required Tools4ISP add-on

The Tools4ISP is a separated module that is required to run the WHMCS Donuts module. It contain several configuration settings and handles your license. Without the Tools4ISP module the WHMCS Donuts module will not work. You can download the Tools4ISP module free at your Tools4ISP client area. For installing and step-by-step instructions, see the separate manual for Tools4ISP.

3.2 Upload the WHMCS Donuts Module

Extract the WHMCS Donuts Module you can download from your my.tools4isp.com area.

Upload the extracted files in your WHMCS installation in:

<WHMCS root>/modules/registrars/rrp/(not Donuts)

If files exists, choose overwrite files.

ⓘ Before updating the Donuts Module, always make a full backup (files and database) and read carefully the release notes.

3.3 DNSsec and nameserver database preparation

DNSsec and PowerDNS as nameserver:

If used DNSsec support in combination with powerDNS, add the required DNS rows to your PowerDNS database by running the following MySQL file (use the config from your database):

<https://github.com/tools4isp/dnsshop/blob/master/powerdns.sql>

After you've added the rows run the following scripts (and use the config from your database):

<https://github.com/tools4isp/dnsshop/blob/master/cron/pdnssec-pushdnssec.php>

<https://github.com/tools4isp/dnsshop/blob/master/cron/pdnssec-rectify.php>

DNSsec and other nameserver:

If used DNSsec in combination with another nameserver, use the following code to add the required tables to your database:

```
CREATE TABLE `domains` (  
  `id` int(11) NOT NULL,  
  `name` varchar(255) NOT NULL,  
  PRIMARY KEY (`id`),  
  KEY `name_index` (`name`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;  
  
CREATE TABLE IF NOT EXISTS `dnssec` (  
  `id` bigint(255) NOT NULL auto_increment,  
  `domainid` int(255) NOT NULL,  
  `type` varchar(10) default NULL,  
  `record` varchar(255) NOT NULL,  
  PRIMARY KEY (`id`),  
  KEY `domainid` (`domainid`,`type`)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;
```

Insert example data for DNSsec

```
INSERT INTO `domains` (`name`) VALUES ('tools4isp.example');
```


The id from the 'domains' table must match the 'domainid' from the dnssec table below (in this example 1):

```
INSERT INTO `dnssec` (`domainid`, `type`, `record`) VALUES (1, 'DNSKEY', '257 3 8
AwEAAZWXIYfFaRuz6yMX/68ZuFHSYuoS0eXyKcl4acRe/cqjcfuhulVoCwkPE3LBVA/KhNieztaPNEhLIVIOQIAuG6JyYc9d
pCGXTUW8iqf8oagHiRTsVa+td+HGQ6vG0wSfW7nzLaq1ras/8EUxc+b5uUhRyzk16ORb2k/WrPzggjyVkfFqRPX5nvxmys
RF7KQFIPGswDcpKhVQKQNBrwCEL3GZoMJu9g0j2UuCBhw8T81ERTtq4t6U8Vbn0M/07g1YsyGaMVgNitrFM91pUX3ff7
hcka01b1hRv+7yBtXLQ66MsN5rpsrRZu2VoqhaGQJx5ENm4UjF+0CjW3r7HTU7M00= ; ( RSASHA256 ));
```

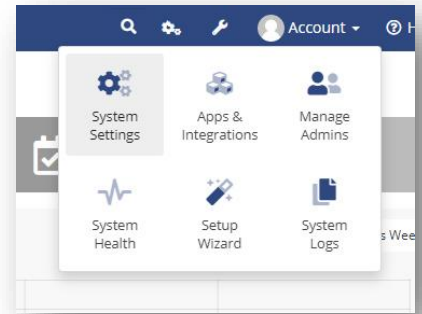
```
INSERT INTO `dnssec` (`domainid`, `type`, `record`) VALUES (1, 'DS', '14960 8 1
bf33d879a15ea65449360d1a46754160c460c9f1 ; ( SHA1 digest ));
```

```
INSERT INTO `dnssec` (`domainid`, `type`, `record`) VALUES (1, 'DS', '14960 8 2
d068ffb7dc44406d34e872ce15ace9e48ba47167b0c738c6e946a5c9595d0320 ; ( SHA256 digest ));
```

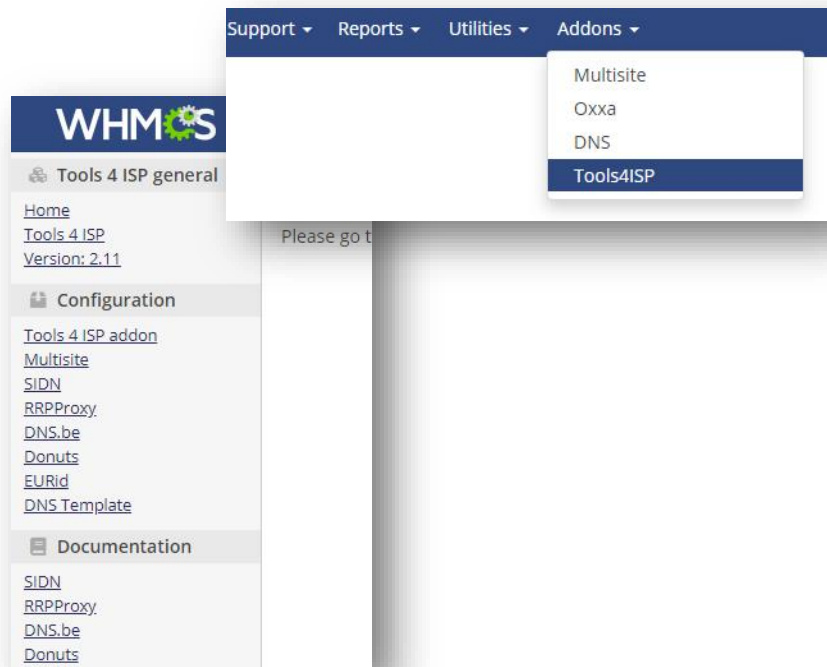
3.4 Configure the WHMCS Donuts Module

To enable the registrar module, login to your admin area and click the  icon: "System Settings".
Select in the list **Domain registrars**.

Here you'll see a list of registrars.
Find the **Donuts** registrar and click on the button "Activate".



Click in the menu tab Addons and select the Tools4ISP addon.
On the left menu click Donuts (configuration section)



Tools4ISP

Donuts configuration

Your configuration looks correct.

User name	<input type="text"/>
Password	<input type="text"/>
Host name	<input type="text"/>
Port number	<input type="text"/>
License key	<input type="text"/>
MySQL DNSsec user name	<input type="text"/>
MySQL DNSsec Password	<input type="text"/>
MySQL DNSsec Host name	<input type="text"/>
MySQL DNSsec Database name	<input type="text"/>
Your tech handle	<input type="text"/>
Handle to use for registrations if contact is wrong	<input type="text"/>
Your billing handle	<input type="text"/>
Handles (split by a .) that cannot be updated from within WHMCS	<input type="text"/>
Fallback phone number	<input type="text"/>
Cache time, set to 0 to disable cache	<input type="text"/>
Force mail address	<input type="checkbox"/>
Mail address to force	<input type="text"/>
Support sunrise processing	<input type="checkbox"/>
Support claims processing	<input type="checkbox"/>
Support overriding DPML Block	<input type="checkbox"/>
Support register Early Access domain	<input type="checkbox"/>
Support Premium domain actions	<input type="checkbox"/>
Enable DNSsec support	<input type="checkbox"/>
Replace nameservers after transfer	<input type="checkbox"/>
Enable DebugMode - show data	<input type="checkbox"/>
Enable DebugMode2 - send data to Tools 4 ISP	<input type="checkbox"/>
Enable logging - log requests to a file	<input type="checkbox"/>

Detailed info for the input fields:

- User name: your Donuts username
- Password: your Donuts password
- Host name: Donuts hostname (drs.domain-registry.nl)
- Port number: 700
- License key: the license key from tools4ISP
- MySQL DNS user name: (only if used DNS like PowerDNS)
- MySQL DNS Password: (only if used DNS like PowerDNS)
- MySQL DNS Host name: (only if used DNS like PowerDNS)
- MySQL DNS Database name: (only if used DNS like PowerDNS)
- Your tech handle: a Donuts Handle
- Handle to use for registrations if contact is wrong: a Donuts Handle
- Your billing handle: a Donuts Handle (required)
- Handles (split buy a .) that cannot be updated from/within WHMCS
- Fallback phone number: optional
- Cache time, set to 0 to disable cache: 3600 (cache time for module)
- Force mail address: set this option to activate
- Mail address to force: a valid mail address
- Support sunrise processing: enable is activated
- Support claims processing: enable is activated
- Support override DPML block: enable is activated
- Support register early access domain: enable is activated
- Support premium domain action: enable is activated
- Enable DNSsec support: optional
- Replace nameservers after transfer: Current DNS will be used by default.
- Enable Debug Mode: All communication with Donuts will be visible on screen including passwords (disable this setting in production).
- Enable DebugMode2: All communication with Donuts will be sent to tools4ISP including passwords (disable this setting in production).
- Enable logging: log requests to a file

After filling out the required fields , click on "**Save configuration**"

4. Updating the WHMCS Donuts Module

When updating the WHMCS Donuts module (or WHMS), always read carefully the release notes. By updating WHMCS Donuts, only the updated files will be overwritten (your current settings will not be overwritten).

When you updating WHMCS, always first update WHMCS, then update the WHMCS Donuts Module.

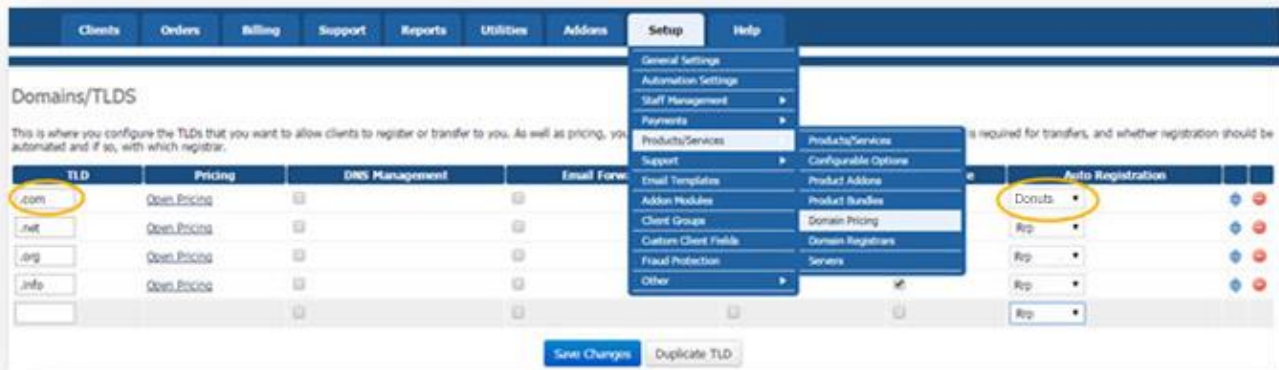
4.1 Update WHMCS

When you updating WHMCS, always first update WHMCS, then update the WHMCS Donuts Module.

Before updating WHMCS always check whether the Donuts module is compatible with the version of WHMCS. Preferably switch off the automatic updating option of WHMCS.

5. Setup registrar for the extensions

For coupling the several extensions to Donuts you'll have to set up the section "Domain Pricing". Add the wanted extension in the TLD field (example .com) and switch the "Auto Registration" dropdown to Donuts as below. You can add only extensions that Donuts offers:



6. Extra Options

Once you installed the WHMCS Donuts module, and you'll open the details of any domainname registered by Donuts, you'll see an extra block with additional options:

Registrar Lock	<input type="checkbox"/> Tick to Enable									
Registrar Commands	<button>Register</button> <button>Transfer</button> <button>Renew</button> <button>Modify Contact Details</button> <button>Get EPP Code</button>									
Management Tools	<input type="checkbox"/> DNS Management <input type="checkbox"/> Email Forwarding <input type="checkbox"/> ID Protection <input type="checkbox"/> Disable Auto Renew									
ID Protection cannot be managed automatically with the selected registrar module. Any changes will need to be made at the registrar directly.										
Domain Reminder History	<table border="1"><thead><tr><th>Date</th><th>Reminder</th><th>To</th><th>Sent</th></tr></thead><tbody><tr><td colspan="4">No Records Found</td></tr></tbody></table>	Date	Reminder	To	Sent	No Records Found				
Date	Reminder	To	Sent							
No Records Found										
Special options										
DNSsec settings										
Additional options	<table border="1"><thead><tr><th>Item</th><th>Content</th><th>Value if not found at donuts</th></tr></thead><tbody><tr><td>Creation date</td><td>2020-05-20T11:01:26.516Z</td><td>N/A</td></tr><tr><td>Expiration date</td><td>2022-05-20T11:01:26.516Z</td><td>N/A</td></tr></tbody></table>	Item	Content	Value if not found at donuts	Creation date	2020-05-20T11:01:26.516Z	N/A	Expiration date	2022-05-20T11:01:26.516Z	N/A
Item	Content	Value if not found at donuts								
Creation date	2020-05-20T11:01:26.516Z	N/A								
Expiration date	2022-05-20T11:01:26.516Z	N/A								

Details and explanation of the **Register Commands** buttons:

Register	Register the domainname by Donuts
Transfer	Transfer the domainname to Donuts
Renew	Renew the domainname
Modify Contact Details	Modify the contact details (whois) for this domainname directly by Donuts
Get EPP Code	Get the EPP (Authorization/Transfer) code for this domainname

7. Language files

Add the language override files (located in lang/overrides) in <WHMCS root>/lang/overrides/. If there is already a file you might want to combine them.

Move all other files to: **/modules/registrars/donuts/**

8. Donuts Synchronization

Create a cronjob that runs regularly (for example daily), and which has 1 or more of the supported options. The cron to run can be found in the following file:

WHMCS_ROOT/modules/registrar/donuts/donuts_sync.php

The current options are:

compare	To compare WHMCS with Donuts and if dates are different or domains are missing at the other location it will provide information.
dates	When combined with compare the dates in WHMCS will be updated with the dates (expiry and next due and next invoice) from Donuts.
dnssec	Enable dnssec on the required domains as set in the dnssec table, it has to be in the DNSsec table as configured in the module configuration.
Dnssecbydef *	Enable dnssec by default, if a domain is not in the dnssec table it will be added before signing the domain.
expirydates	When combined with compare the expiry date in WHMCS will be updated with the dates from Donuts.
fixexpired	Update dates and set domains to Active if exists at Donuts and invoices are paid.
fixwrongdates	If a date is 0000-00-00 in WHMCS update WHMCS with the date from Donuts.
noverbose	To disable output from the script (possible except PHP errors, depending on WHMCS/your PHP configuration).
poll	Poll and process messages from Donuts.
pollcancel	If a poll is done cancel domains that aren't at Donuts after a transfer (outgoing transfers, poll is also automatically added).
remove	Drop domain at Donuts if autorenew is disabled in WHMCS and the domain name has expired.
transfer	Automatically update the transfer status for incoming transfers.
version	Display version number for the module and exit.

Example of cronjobs:

```
15 0 * * * /usr/bin/php /home/whmcsdev/www/modules/registrar/donuts/donuts_sync.php remove dnssecbydef dnssec noverbose
30 * * * * /usr/bin/php /home/whmcsdev/www/modules/registrar/donuts/donuts_sync.php poll pollcancel noverbose
45 * * * * /usr/bin/php /home/whmcsdev/www/modules/registrar/donuts/donuts_sync.php transfer noverbose
```

9. Product development

Our goal is to deliver the best possible product. So help us to improve this product. Did you find a bug, or you've a feature request or other comment regarding this product, please feel free to contact us and let us know at info@tools4isp.com

9.1 Changes and fix history

Feature/Bugfix description	Status	Ver.
Multiple bugfixes	Fixed	2.16
Multiple improvements	Fixed	2.16
Cron fix	Fixed	2.15
Do not start EPP connection to get version information	Fixed	2.14
If countries.json (custom WHMCS file) is missing some content look in dist.countries.json (standard WHMCS file)	Fixed	2.14
Move as much code as possible for the sync scripts to 1 file (where not already done)	Added	2.14
If we are processing incoming transfers only don't check all domains at the registry/registrar	Added	2.14
Reduce EPP actions for sync scripts where possible (big performance improvement)	Added	2.14
More information about the modules in the admin of WHMCS	Added	2.14
(RRP) Remove Set renewal mode to EXPIREAUCTION	Added	2.14
Option for cron: dnssecbydef (fully automate DNSsec)	Added	2.13
Option for cron: transfer (automatically process incoming transfers)	Added	2.13
Option for cron: poll & pollcancel (to automatically process outgoing transfers)	Added	2.13
Option for cron: fixexpired (if the invoice is paid automatically set an expired domain to active)	Added	2.13
Removed option for cron: replacedate	Fixed	2.13
Option for cron: dates (does the same as replacedate did)	Added	2.13
Option for cron: expirydates (set expiration date in WHMCS to expiration date at registry)	Added	2.13
Option for cron: fixwrongdates (set dates to expiration date registry if in WHMCS it is set to 0000-00-00)	Added	2.13
Support for multiple WHMCS installations with 1 registry account (needed for outgoing transfers)	Added	2.13
Option for cron: remove (domeinnaam opheffen per einddatum, anders autorenew door registry)	Added	2.13
Code improved	Fixed	2.13
Multiple bugfixes	Fixed	2.13
Poll messages now stored in the database	Added	2.13
Option for cron: version (display version number, it also displays the link to the manual and exit)	Added	2.13
First release 15 may 2020		

9.2 Version and release history

Version:	Release date:	added	Fixed	WHMCS version*
2.16	1 April 2022	0	2	V8.4.1
2.15	16 Jul 2021	0	1	V8.1.3
2.14	31 march 2021	5	2	V8.1.3
2.13	16 nov 2020	11	3	V8.0
2.11	15 may 2020	-	-	V7.10.2

* Supported WHMCS version, other versions might work but are not guaranteed.

10. Support

This module can also be installed by the Tools 4 ISP professionals for additional charges, contact us for more information. If you've suggestions to improve this module please let us know.

Description	One time	Yearly	Apiece
Module license (includes 1 year Update downloads and support contract free)	€ 200,-		
Module installed by Tools4ISP	+ € 30,-		
* Update downloads and support contract		€ 50,-	
Update installed by Tools4ISP			+ € 30,-

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