

Tools 4 ISP

Simple solutions for complex connections

WHMCS RRPproxy Module - Installation and Userguide

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1. Introduction WHMCS RRPproxy Module

First of all, thank you for purchasing our WHMS RRPproxy Module. With this module you can manage your .nl 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 .nl domain names registered at the Dutch RRPproxy registrar.

Note: Since the templates differ between WHMCS <8 and >8, the illustrations and links of this user guide may differ.

1.1 Functions WHMCS RRPproxy Module

- Register domain name
- Domain name transfer/cancel/renewal
- Provide EPP Code
- Reseller support
- Managing DNSsec records
- Managing DNS Settings (coupling with PowerDNS)
- Changing Name Servers
- Automatic Name Server change after incoming transfer
- Change contact information (holder / tech / admin)
- Set contract period (1, 3 or 12 months)
- RRPproxy order period info, domain name date info

Before you start following this user guide, check if the WHMCS RRPproxy Module version number of this user guide matches with your installed WHMCS RRPproxy module version number.

- find your version user guide: see bottom frontpage of this document.

- find your version WHMCS RRPproxy Module: WHMCS panel ► system settings ► domain registrars.

1.2 System requirements

System requirements:

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

This module is fully tested with WHMCS v8.0 and v7.4 and PHP v7.2.4 (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. Installation WHMCS RRPproxy Module

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

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

If used DNS (PowerDNS) and/or DNSsec You'll need also the following information:

- MySQL DNS user name
- MySQL DNS Password
- MySQL DNS Host name
- MySQL DNS Database name

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

Before you install the WHMCS RRPproxy 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 RRPproxy Module purchase.

2.1 Upload/Install the required Tools4ISP add-on

The Tools4ISP is a separated module that is required to run the WHMCS RRPproxy module. It contain several configuration settings and handles your license. Without the Tools4ISP module the WHMCS RRPproxy 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.

2.2 Upload the WHMCS RRPproxy Module

Extract the WHMCS RRPproxy 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 RRPproxy)

If files exists, choose overwrite files.

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

2.3 DNSsec and nameserver database prepation (if used)

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/cqicfuhulVoCwkPE3LBVA/KhNieztaPNEhLIVIOQIAuG6JyYc9d
pCGXTUW8iqf8oagHIRTsVa+td+HGQ6vG0wSfW7nzLaq1ras/8EUxc+b5uUhRyzk16ORb2k/WrPzggjyVkfqpRPX5nvxmys
RF7KQFIPGswDcpKhVQKQNBwCEL3GZoMJU9g0j2UuCBhw8T81ERTtq4t6U8Vbn0M/07g1YsyGaMVgNlfrFM91pUX3ff7
hcka01b1hRv+7yBtXLQ66MsN5rpsrRZu2VoqhaGQJx5ENm4UjF+0CjW3r7HTU7M00= ; ( RSASHA256 ));
```

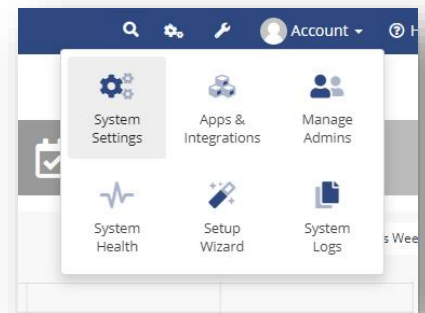
```
INSERT INTO `dnssec` (`domainid`, `type`, `record`) VALUES (1, 'DS', ' 14960 8 1
bf33d879a15ea65449360d1a46754160c460c9f1 ; ( SHA1 digest ));
```

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

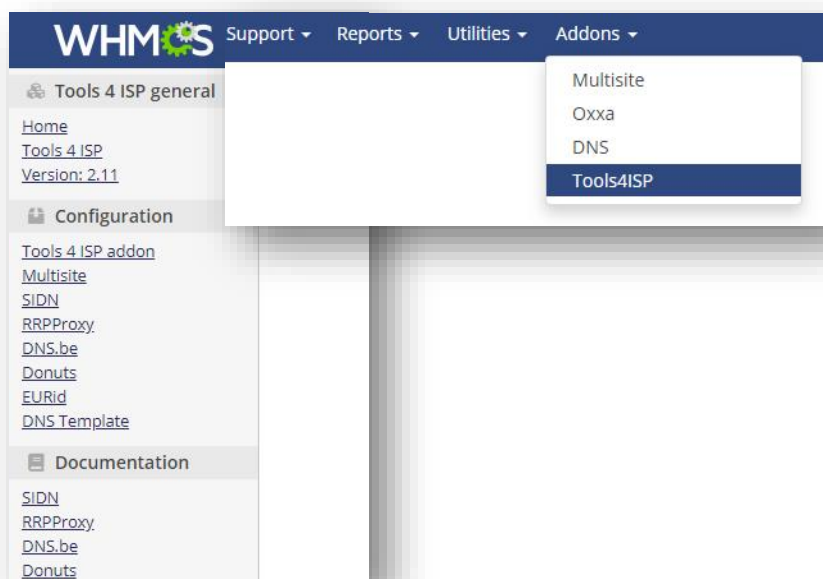
2.4 Configure the WHMCS RRPproxy Module

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 **RRPproxy** registrar and click on the button "Activate".



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



Tools4ISP

RRPproxy 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 DNS user name	<input type="text"/>
MySQL DNS Password	<input type="text"/>
MySQL DNS Host name	<input type="text"/>
MySQL DNS Database name	<input type="text"/>
DNS account list	<input type="text"/>
DNS standard TTL	<input type="text"/>
Supported DNS record types	<input type="text"/>
Standard value for account field in PowerDNS database	<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"/>
Whois message line 1	<input type="text"/>
Whois message line 2	<input type="text"/>
Whois message line 3	<input type="text"/>
Whois reseller name	<input type="text"/>
Whois reseller URL	<input type="text"/>
Force mail address	<input type="checkbox"/>
Mail address to force	<input type="text"/>
Enable DNS support	<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"/>
Create DNS zone after registration and transfer	<input type="checkbox"/>

Detailed info for the input fields:

- User name: your RRPPProxy username
- Password: your RRPPProxy password
- Host name: RRPPProxy 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)
- DNS account list: * : (only if used DNS like PowerDNS)
- DNS standard TTL: 900 : (only if used DNS like PowerDNS)
- Supported DNS record types: AAAA,CNAME,NS,A,MX,TXT,PTR,SRV,CAA,TLSA,DS
- All supported PowerDNS record types are supported
- Standard value for account field in PowerDNS database
- MySQL DNSsec user name: (requiret for DNSsec automation)
- MySQL DNSsec Password: (requiret for DNSsec automation)
- MySQL DNSsec Host name: (requiret for DNSsec automation)
- MySQL DNSsec Database name: (requiret for DNSsec automation)
- Your tech handle: a RRPPProxy Handle
- Handle to use for registrations if contact is wrong: a RRPPProxy Handle
- Your billing handle: a RRPPProxy 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)
- Whois message line 1: free choice
- Whois message line 2: free choice
- Whois message line 3: free choice
- Whois reseller name: name of the reseller
- Whois reseller URL: URL of the reseller
- Force mail address: set this option to activate
- Mail address to force: a valid mail address
- Enable DNS support: optional
- Enable DNSsec support: optional
- Replace nameservers after transfer: Current DNS will be used by default.
- Enable Debug Mode: All communication with RRPPproxy will be visible on screen including passwords (disable this setting in production).
- Enable DebugMode2: All communication with RRPPproxy will be sent to tools4ISP including passwords (disable this setting in production).
- Enable logging: log requests to a file
- Create DNS zone after registration and transfer: optional

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

3. Updating the WHMCS RRPproxy Module

ⓘ The current configuration will be lost by updating from version prior to 2.0.


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

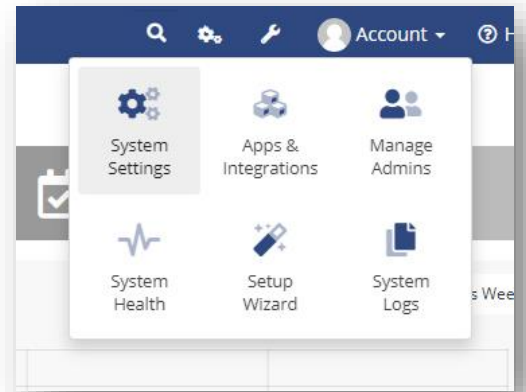
3.1 Update WHMCS

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

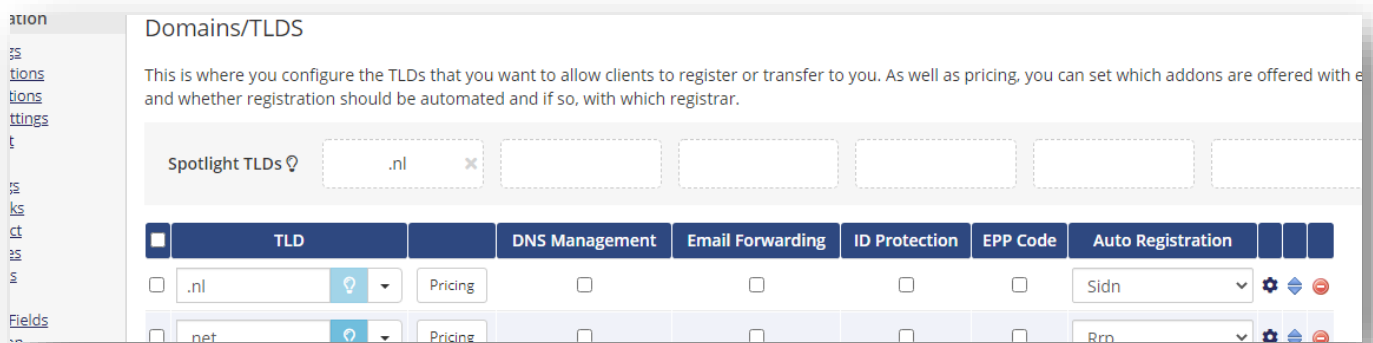
Before updating WHMCS always check whether the RRP proxy module is compatible with the version of WHMCS. Preferably switch off the automatic updating option of WHMCS.

4. Setup registrar for RRPproxy extensions

For coupling the a extension to RRPproxy you'll have to set up the section "Domain Pricing"., login to your admin area and click the  icon: "System Settings". Select in the list **Domain pricing**.

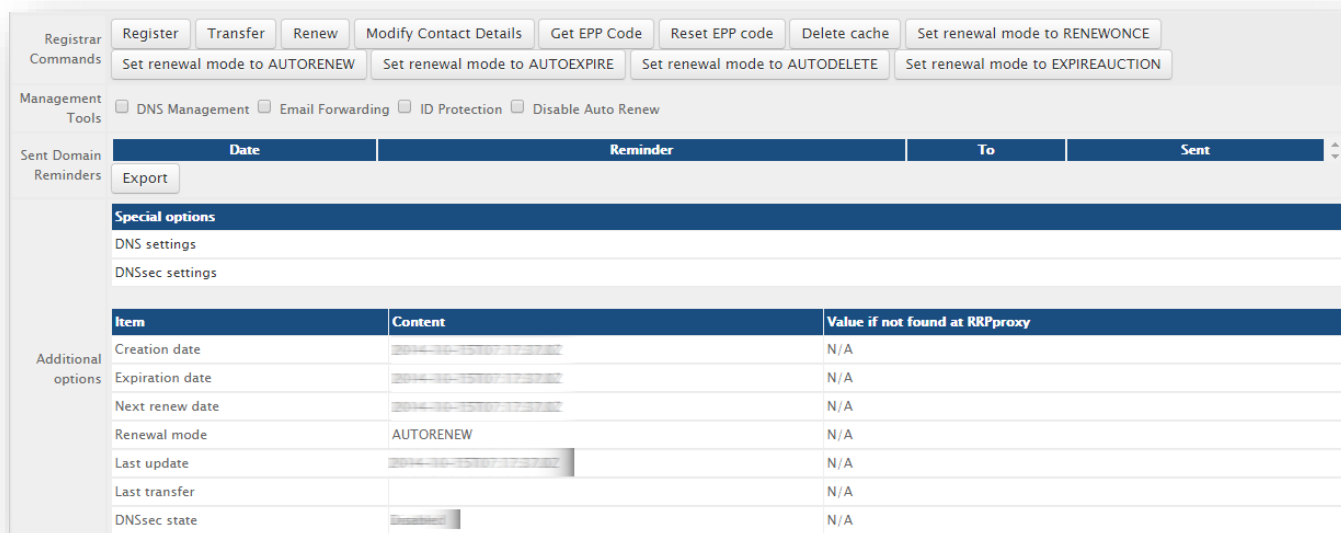


Set the TLD (for example .com) extension and the dropdown to "RRP" under Auto Registration as below:



5. Extra Options

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



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

Register	Resgister the domain name by RRPproxy
Transfer	Transfer the domain name to RRPproxy
Renew	Renew the domain name
Modify Contact Details	Modify the contact details (whois) for this domain name directly by RRPproxy
Get EPP Code	Get the EPP (Authorization/Transfer) code for this domain name
Reset EPP code	Reset the EPP (Authorization/Transfer) code for this domain name
Delete Cache	Delete the cache in WHMCS for this domain name
Renewal Buttons:	
RENEWONCE	Renew the domain automatically once
AUTORENEW	Renew the domain automatically on expire date
AUTOEXPIRE	Expire the domain automatically on expire date
AUTODELETE	Delete the domain automatically on expire date
EXPIREAUCTION	

If you've set coupled [PowerDNS](#), you can manage the DNS for this domain name directly here. If you've set/enabled the [DNSsec](#) settings for you can manage the DNSsec directly here.

6. 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/rrp/**

7. RRPproxy 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/registrars/rrp/rrp_sync.php

The current options are:

compare	To compare WHMCS with RRPproxy 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 RRPproxy.
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.
doautorenew	Enable autorenew at RRPproxy for all domains.
donotautorenew	Disable autorenew at RRPproxy for all domains.
donotrenew	Disable autorenew at RRPproxy if it is disabled in WHMCS and enabled at RRPproxy.
dorenew	Enable autorenew at RRPproxy if it is enabled in WHMCS and disabled at RRPproxy.
expirydates	When combined with compare the expiry date in WHMCS will be updated with the dates from RRPproxy.
fixexpired	Update dates and set domains to Active if exists at RRPproxy and invoices are paid.
fixwrongdates	If a date is 0000-00-00 in WHMCS update WHMCS with the date from RRPproxy.
noverbose	To disable output from the script (possible except PHP errors, depending on WHMCS/your PHP configuration).
poll	Poll and process messages from RRPproxy.
pollcancel	If a poll is done cancel domains that aren't at RRPproxy after a transfer (outgoing transfers, poll is also automatically added).
polldelete	If a poll is done cancel domains that aren't at RRPproxy after a delete.
setrenew	Force to enable/disable autorenew, use it when both options can be used.
transfer	Automatically update the transfer status for incoming transfers.
version	Display version number for the module and exit.

* By using the option dnssecbydef, the tool "dig" is required, the module use the following path: /usr/bin/dig (if it is in a different place than please notify us including the operating system used and how it is installed).

Example of a cronjob:

```
cronjob: 30 2 * * * /usr/bin/php /var/www/modules/registrars/rrp/rrp_sync.php dnssec donotrenew dorenew noverbose
```

8. 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

8.1 Changes and fix history

Feature/Bugfix description	Status	Ver.
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: 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: donotautorenew (disables auto renew for all domains)	Added	2.13
Option for cron: doautorenew (disables auto renew for all domains)	Added	2.13
Option for cron: polldelete (set domains to cancelled in WHMCS after they are deleted at the registry)	Added	2.13
Code improved	Fixed	2.13
Multiple bugfixes	Fixed	2.13
Option for cron: version (display version number, it also displays the link to the manual and exit)	Added	2.13
All poll messages are stored now in the database	Added	2.13
Multiple improvements in source code	Fixed	2.12
More characters possible(A-Z 0-9) in names emailaddress	Added	2.12
Log EEP requests to file	Added	2.12
improvements in debug descriptions	Added	2.12
Only request domain information if a domain name exists	Added	2.12
Reporting problems configuration page	Added	2.12
DNS related problems fixed	Fixed	2.12
hide unnecessary buttons	Fixed	2.12
domain names without name servers (if supported by supplier)	Added	2.12
default value for the account field in the PowerDNS database	Added	2.12
Multiple improvements in source code	Fixed	2.11
Issue failure date when lost connection	Fixed	2.10
Added several options cron	Added	2.10

Various layout parts improved	Fixed	2.9
DNSsec key input problem fixed	Fixed	2.9
Userguide expanded with additional information functions	Added	2.9
Modify domain contact details name fields (natural person and organization) merged	Fixed	2.9
Contact details phonenumber format issue solved	Fixed	2.8
Language file modified	Fixed	2.8
Ioncube version issues	Fixed	2.8
DNSsec table issue	Fixed	2.8
Support for PHP 7.6.1	Fixed	2.8
Extra field added for registration .es extension	Added	2.7
Ioncube version conflict	Fixed	2.7
DNSsec tables preparation	Fixed	2.7
Phone number format issue	Fixed	2.6
License issue	Fixed	2.6
Supporting PHP V7.2	Fixed	2.6
Fix possible loop connection	Fixed	2.5
DNS support Fix	Fixed	2.5
Phonenumber field fix	Fixed	2.5
Incomming transfers fixed	Fixed	2.4
Transfer cron fixed	Fixed	2.4
Renew cron fixed	Fixed	2.4
Max connection fix	Fixed	2.2
DNS default language added	Fixed	2.2
DNS template improved	Fixed	2.2
Renew period fix, add 1 year registrar and WHMCS renewal field	Fixed	2.2
Support for WHMCS version 7	Added	2.1
Error handling	Fixed	2.1
Whois message line (3x)	Added	2.0
Whois reseller URL	Added	2.0
Whois reseller name	Added	2.0
Config settings merged, all main configuration now configured by tools4ISP module	Added	2.0
DNSsec status now in realtime	Added	2.0
Rebuild refresh content to get current data	Added	2.0
Phonenumber country code list	Added	2.0
Major error handlings added	Added	2.0
Modify contact handle doesn't work properly	Fixed	2.0

Phonenumber county code entry bug	Fixed	2.0
Config page shows default values	Fixed	2.0
DNSsec selection field always off (even when its on)	Fixed	2.0
Debug option has been added with information by mail	Added	1.9
Debug option with info on screen	Added	1.9
Added Cache (option to change the cache period)	Added	1.9
Clear message when it comes to a license error (one session as admin are required to see the message)	Added	1.9
Adding DS record in standard list of supported types of records	Added	1.9
Extra information fields: creation date, expiration date, next renew date, renewal mode, last update, last transfer, DNSsec state	Added	1.9
Renewal now manageable from WHMCS	Added	1.9
Blank page after removing /transfer domain	Fixed	1.9
Cache license status for 1 hour to reduce connection for license checks	Added	1.8
Cache license status for 1 week to keep everything working with a (short) network/server issue	Added	1.8
update notes didn't say to include domains in the license manager on My Tools 4 ISP	Fixed	1.7
cronjob operations don't always work correct (might give errors)	Fixed	1.7
Trial license available	Added	1.6
It now requires ioncube to work	Added	1.6
Support PHP 5.2 on Windows (was already supported on Linux)	Fixed	1.6
Option to set autorenew on/off (force) at RRPproxy	Fixed	1.6
Show fax number	Fixed	1.5
Make fax number optional	Fixed	1.5
Check if domain already is in your account before trying to register/transfer a domain, this solves multiple errors	Fixed	1.4
release_notes.txt	Added	1.3
update.txt	Added	1.3
Remove DNSsec data on name server change	Fixed	1.3
Various bugfixes	Fixed	1.3
Version check under Setup -> Products/Services -> Domain registrars	Added	1.2
Readme.txt to point to these files, list a newer WHMCS version as supported	Added	1.2
Added DNSsec support for client	Added	1.1
Various bug fixes	Fixed	1.1
First version available for public (includes DNSsec support for the client)		1.0

8.2 Version and release history

Version:	Release date:	added	Fixed	WHMCS version*
2.13	16 nov 2020	12	3	v8.0
2.12	11 sept 2020	7	3	v8.0
2.11	27 may 2020	0	1	v7.10.2
2.10	19 dec 2019	1	1	v7.8.3
2.9	6 nov 2019	1	3	v7.8.3
2.8	14 nov 2018	0	5	v7.6.1
2.7	1 aug 2018	1	2	v7.5.2
2.6	1 june 2018	0	3	v7.5.0
2.5	24 nov 2017	0	3	v7.4.1
2.4	6 sept 2017	0	3	v7.1.2
2.3	6 jun 2017	0	0	v7.1.2
2.2	18 april 2017	0	4	v7.1.2
2.1	31 dec 2016	1	1	v7.1.0
2.0	1 aug 2016	5	5	v6.3.1
1.9	10 Jun 2015	7	1	v5.3.14
1.8	24 Oct 2014	2	-	v5.3.10
1.7	17 Oct 2014	-	2	v5.3.10
1.6	15 Oct 2014	2	2	v5.3.10
1.5	28 Mar 2014	-	2	v5.0.3, v5.1.2 and v5.2.8
1.4	20 Mar 2014	-	1	v5.0.3, v5.1.2 and v5.2.8
1.3	11 Mar 2014	2	2	v5.0.3 and v5.1.2
1.2	30 Jan 2014	2	-	v5.1.2
1.1	31 Dec 2013	1	1	v5.1.2
1.0	May 2012	-	-	-

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

9. 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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Tools4ISP reserves the right to make changes in the software without notification. Tools4ISP also make no representation or warranty that such application will be suitable for the specified use without further testing or modification. Resale of this product is strictly prohibited. Upon discovering resale practices Tools4ISP will take legal action.