

Tools 4 ISP

Simple solutions for complex connections

WHMCS DNS.be Module - Installation and Userguide

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1. Introduction WHMCS DNS.be Module

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

1.1 Functions WHMCS DNS.be Module

- Register domain
- Domain Transfer
- Domain cancel
- Domain renewal
- Provide EPP Code
- Managing DNSsec settings
- Managing DNS Settings (coupling with PowerDNS)
- Changing Name Servers
- Change contact information (holder / tech / admin)
- Automatically process incoming transfers

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

1.2 System requirements

System requirements:

- PHP 5.4+
- PHP mcrypt
- PHP MySQLi
- MySQL (5+)
- Ioncube loader (current version)
- WHMCS installation (> version 6.0 - up to and including version 7.8.3)
- Tools4ISP module (same version as this module version)
- PowerDNS (if used Managing DNS)

This module is fully tested with WHMCS v7.8.3 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 DNS.be Module

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

- DNS.be User name
- DNS.be Password
- DNS.be Hostname: (epp.registry.be)
- DNS.be Portnumber (33128)
- DNS.be 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 DNS.be Module (or any other 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 DNS.be Module purchase.

2.1 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 ;
```

2.2 Upload/Install the required Tools4ISP add-on.

The Tools4ISP is a separated module that is required to run the DNS.be module. It contain several configuration settings and handles your license. Without the Tools4ISP module the DNS.be module will not work. You can download the Tools4ISP module free at your Tools4ISP client area.

Upload the extracted files in your WHMCS installation in:
<WHMCS root>/modules/addons/tools4isp/

For installing and step-by-step instructions, see the separate manual for Tools4ISP.

2.3 Upload the WHMCS DNS.be Module

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

Upload the extracted files in your WHMCS installation in:
<WHMCS root>/modules/registrars/dnsbe/

If files exists, choose overwrite files.

ⓘ Before updating the DNS.be Module, always make a backup and read carefully the release notes.

2.4 Configure the WHMCS DNS.be Module

To enable the registrar module, login to your admin area and go to : "Setup" > "Products/Services" > "Domain registrars".

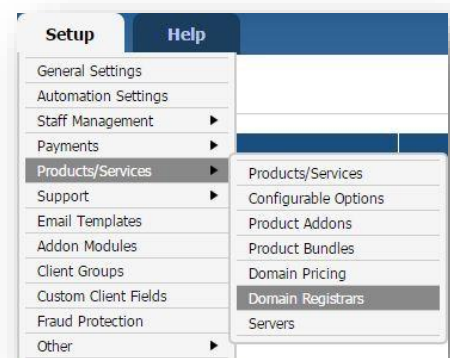
Here you'll see a list of registrars.

Find the **DNS.be** registrar and click on the button "Activate".

Now Configure the Tools4ISP module, click on the tab "**Addons**" and select "**Tools4ISP**"

(if you can't see Tools4ISP, you'll need to refresh the page).

Select the module you want to configure at the left: **DNS.be** and fill in all the fields with the collected information from section 2. The other items listed under configuration will depend on the modules that are taken from tools4ISP.



WHMCS
The Complete Billing & Support Solution

Home Clients Orders Billing Support Reports Utilities Addons Setup

Tools 4 ISP general
Home
Tools 4 ISP
Version: 2.0

Configuration
Multisite
SIDN
RRPPProxy
DNS.BE
DNS Template

Addons
Incasso / SEPA direct debit
Multisite
Oxxa
Staff Noticeboard
Statistics
Tools4ISP
Product Price Updater

Advanced Search
Clients:
Client Name:

Tools4ISP
DNS.BE configuration

User name
Password
Host name
Port number
License key
MySQL DNS user name
MySQL DNS Password
MySQL DNS Host name
MySQL DNS Database name
DNS account list
DNS standard TTL
Supported DNS record types
Your tech handle
Handle to use for registrations if contact is wrong
Your billing handle
Fallback phone number
Cache time, set to 0 to disable cache
Enable DNS support
Enable DNSsec support
Replace namservers after transfer
Enable DebugMode
Enable DebugMode2
Create DNS zone after registration and transfer

epp.registry.be
33128
900
AAAA,CNAME,NS,A,MX,TXT

Configure your account details you've got from **DNS.be** in the matching fields.

Configure all other fields on this page where necessary, behind the fields you see the description. Below additional information for some fields:

DebugMode:	All communication with DNS.be will be visible under screen including passwords.
DebugMode2:	All communication with DNS.be will be sent to tools4ISP including passwords.

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

3. Update the WHMCS DNS.be Module

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

When updating the WHMCS DNS.be module (or WHMS), always read carefully the release notes. By updating WHMCS DNS.be, 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 DNS.be Module.

3.1 Update WHMCS

When you updating WHMCS, always first update WHMCS, then update the WHMCS DNSbe 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 .be extension

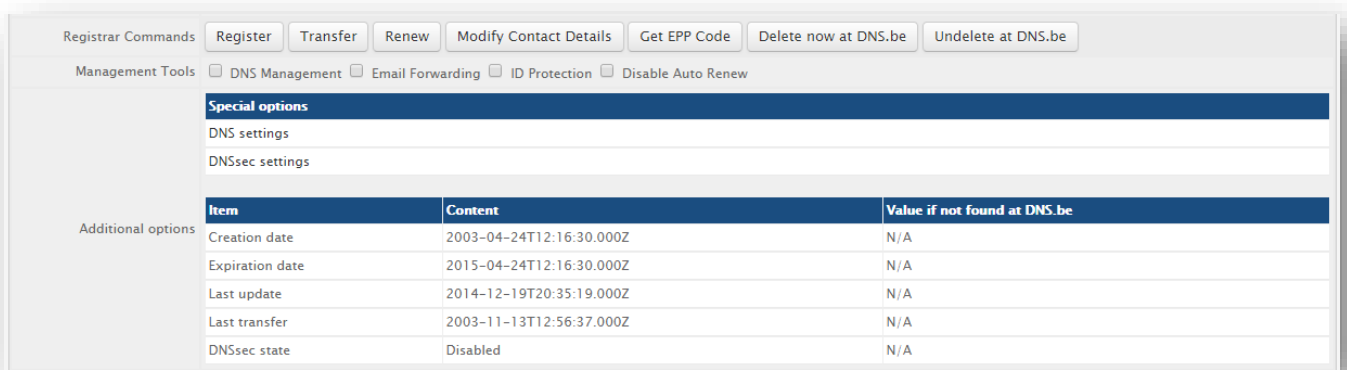
For coupling the .be extension to DNS.be you'll have to set up the section "Domain Pricing". Switch by the .be extension the dropdown to "DNS.be" under Auto Registration as below:

The screenshot shows a web management interface with a navigation bar at the top containing tabs for Orders, Billing, Support, Reports, Utilities, Addons, Setup, and Help. The main content area is titled "Domains/TLDS" and includes a description: "This is where you configure the TLDs that you want to allow clients to register or transfer to you, whether registration should be automated and if so, with which registrar." Below this is a table with columns for TLD, Pricing, DNS Management, Email, and Auto Registration. A dropdown menu is open under the 'Setup' tab, with 'Domain Pricing' selected. The table shows configurations for .be, .nl, .com, .net, .org, and .info. The .be row has 'DNS.be' selected in the 'Auto Registration' column.

TLD	Pricing	DNS Management	Email	Auto Registration
.be	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Dnsbe
.nl	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Sidn
.com	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Rrp
.net	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Rrp
.org	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Rrp
.info	Open Pricing	<input type="checkbox"/>	<input type="checkbox"/>	Rrp

5. Extra Options

Once you installed the WHMCS DNS.be module, and you'll open the details of any .bedomainname you'll see an extra block with additional options:



The screenshot shows the WHMCS interface for a domain. At the top, there are buttons for Registrar Commands: Register, Transfer, Renew, Modify Contact Details, Get EPP Code, Delete now at DNS.be, and Undelete at DNS.be. Below these are Management Tools: DNS Management, Email Forwarding, ID Protection, and Disable Auto Renew. The main content area is divided into Special options and Additional options. Special options include DNS settings and DNSsec settings. Additional options are presented in a table:

Item	Content	Value if not found at DNS.be
Creation date	2003-04-24T12:16:30.000Z	N/A
Expiration date	2015-04-24T12:16:30.000Z	N/A
Last update	2014-12-19T20:35:19.000Z	N/A
Last transfer	2003-11-13T12:56:37.000Z	N/A
DNSsec state	Disabled	N/A

The buttons and information of the **Register Commands** speak for themselves and don't need any explanation.

Special Options

If you've set coupled PowerDNS, you can manage the DNS for this domainname 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/registrar/dnsbe/

7. Synchronisation

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/dnsbe/dnsbe_sync.php

The current options are:

compare	To compare WHMCS with DNS.be and if dates are different or domains are missing at the other location it will provide information.
dates	If combined with compare it will get the expiration date from DNS.be and set it as expiry date and next due date in WHMCS.
dnssec	Enable dnssec on the required domains as set in the dnssec table, dnsshop also has to work.
donotrenew	Disable autorenew at DNS.be if it is disabled in WHMCS and enabled at DNS.be.
dorenew	Enable autorenew at DNS.be if it is enabled in WHMCS and disabled at DNS.be.
donotautorenew	Disable autorenew at DNS.be for all domains.
doautorenew	Enable autorenew at DNS.be for all domains.
noverbose	To disable output from the script (possible except PHP errors, depending on WHMCS/your PHP configuration). The noverbose option is intended for a cron job and not to use otherwise.
poll	Poll and process messages from DNS.be
pollcancel	If a poll is done cancel domains that aren't at DNS.be after a transfer (outgoing transfers, this option requires the option poll to also be selected)

Example of a cronjob:

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

No options selected, nothing todo...

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.
Added several options cron	Added	2.10
Issue failure date when lost connection	Fixed	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
Contact details phonenummer 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
Phonenumber fields	Fixed	2.6
License issue	Fixed	2.6
Supporting PHPv7	Fixed	2.6
Fix possible loop connection	Fixed	2.5
Transfer bug fixed	Fixed	2.5
AutoRenew option available	Added	2.5
Renew option available	Added	2.5
Several DNS support fixes	Fixed	2.5
Request transfer code	Feature	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
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
OpenSSL changes in PHP 5.6.x will be supported (by allowing to set an extra certificate)	Added	1.10
Billing contact isvisible now	Fixed	1.10
Registration periodset to 1 year by default	Fixed	1.10
Renewal issue resolved	Fixed	1.10
Hide admin and billing contacts	Fixed	1.10
Succesfull transfers will not cause an error anymore	Fixed	1.10
Adding DS record in standard list of supported types of records	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
Added Cache (option to change the cache period). Cache based on a session is canceled	Added	1.9
Debug option has been added with information by mail	Added	1.9
Debug option with info on screen	Added	1.9
Blank page after domain name delete/transfer	Fixed	1.9
Registration not working	Fixed	1.9
If domain does not exist error when loading domain page in admin	Fixed	1.9
Lock domain by default (after transfer/registration)	Added	1.8
Debug mode added	Added	1.8
Bug in transfer process	Fixed	1.8
Bug in registration process	Fixed	1.8
Add DNS management from admin area	Added	1.7
Add DNSsec management from admin area	Added	1.7
Remove requirement to provide login information in dnsbe_sync.php (add requirement for using the Tools4ISP addon that is included)	Added	1.7
Mention that there is an update available on domain info page (admin area only)	Added	1.7
List additional information on the domain page (admin area only)	Added	1.7
Remove error (reference to DNS.be module)	Fixed	1.7
Cache license status for 1 hour to reduce connection for license checks	Added	1.6
Cache license status for 1 week to keep everything working with a (short) network/server issue	Added	1.6
Update notes didn't say to include domains in the license manager on My Tools 4 ISP	Fixed	1.5
Cronjob operations don't always work correct (might give errors)	Fixed	1.5

Trial license available	Added	1.4
Support PHP 5.2 on Windows (was already supported on Linux)	Fixed	1.4
It now requires ioncube to work	Added	1.4
Added admin option for delete now	Added	1.3
Added admin option for undelete	Added	1.3
Added option to enable auto delete on expiry date (based on a cron)	Added	1.3
Added option to disable auto delete on expiry date (based on a cron)	Added	1.3
It is now possible to request auth codes from within WHMCS for domains using this module, for incoming transfers set them to this module manually to request the auth code	Fixed	1.3
Show fax number	Fixed	1.2
Make fax number optional	Fixed	1.2
Added release_notes.txt	Added	1.1
Added update.txt	Added	1.1
Added version check	Added	1.1
Various bugfixes	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*
2.10	19 dec 2019	1	1	V7.8.3
2.9	6 nov 2019	1	2	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	2	3	V7.4.1
2.4	6 sept 2017	1	0	V7.2
2.3	6 jun 2017	0	0	V7.2
2.2	18 april 2017	0	4	V7.2
2.1	31 dec 2016	1	1	V7.1.0
2.0	1 aug 2016	5	4	V6.3.1
1.10	22 dec 2015	1	5	V6.2.0
1.9	12 Jun 2015	3	5	v5.3.14
1.8	6 apr 2015	2	1	v5.3.12
1.7	15 jan 2015	5	1	v5.3.11
1.6	24 oct 2014	2	-	v5.3.11
1.5	17 oct 2014	-	2	v5.3.11
1.4	15 oct 2014	2	1	v5.3.11
1.3	11 sep 2014	4	-	v5.3.11
1.2	28 mar 2014	-	2	v5.3.10
1.1	20 mar 2014	3	1	v5.3.10
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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