

Tools 4 ISP

Simple solutions for complex connections

WHMCS EURid Module - Installation and Userguide

WHMCS EURid Module Version 2.16

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1. Introduction WHMCS EURid Module

First of all, thank you for purchasing our WHMS EURid Module. With this module you can manage your .be domainnames through 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 EURid registrar.

1.1 Functions WHMCS EURid 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 EURid Module version number of this user guide, matches with your EURidmodule version number. (version number user guide: see bottom frontpage, version EURid Module: see setup -> products/services -> 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 v8.1.3 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. Installation WHMCS EURid Module

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

- EURid User name
- EURid Password
- EURid Hostname: (epp.registry.be)
- EURid Portnumber (33128)
- EURid handles (contact handles)
- Tools 4 ISP EURid 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 EURid 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 EURid Module purchase.

2.1 Upload/Install the required Tools4ISP add-on

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

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

Upload the extracted files in your WHMCS installation in:

<WHMCS root>/modules/registrars/rp/(not EURid)

If files exists, choose overwrite files.

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

2.3 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/cqicfuhulVoCwkPE3LBVA/KhNieztaPNEhLIVIOQIAuG6JyYc9d  
pCGXTUW8iqf8oagHiRTsVa+td+HGQ6vG0wSfW7nzLaq1ras/8EUxc+b5uUhRyzk16ORb2kWrPzggjyVkfQpRPX5nvxmys  
RF7KQFIPGswDcpKhVQKQNBrwCEL3GZoMJu9g0j2UuCBhw8T81ERTtq4t6U8Vbn0M/07g1YsyGaMVgNlitrFM91pUX3ff7  
hcka01b1hRv+7yBtXLQ66MsN5rpsrRZu2VoqhaGQJx5ENm4UjF+0CjW3rHTU7M00= ; ( RSASHA256 )');
```

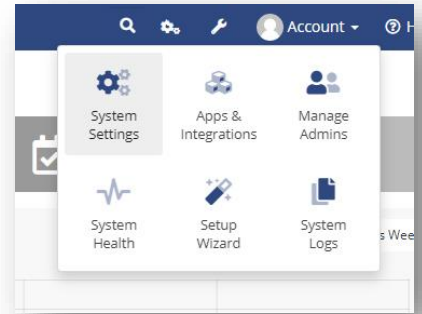
```
INSERT INTO `dnssec` (`domainid`,`type`,`record`) VALUES (1, 'DS', ' 14960 8 1  
bf33d879a15ea65449360d1a46754160c460c9f1 ; ( SHA1 digest)');
```

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

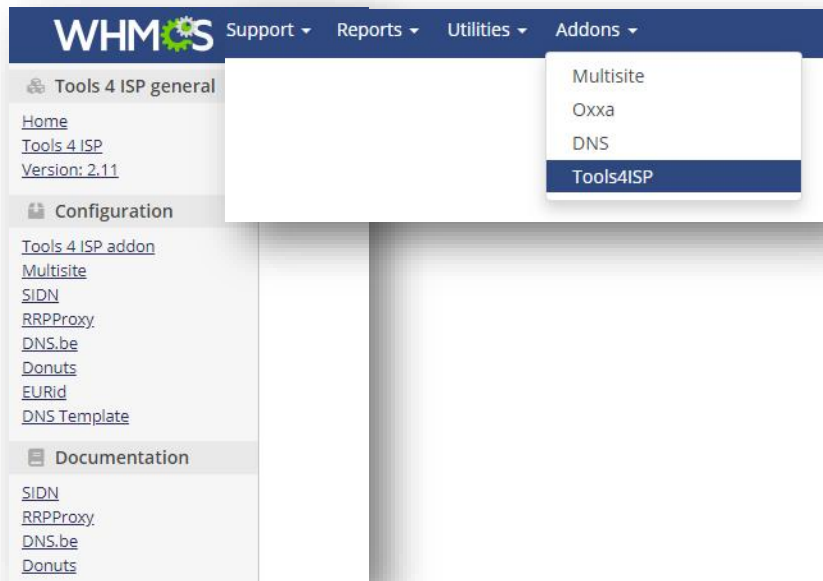
2.4 Configure the WHMCS EURid Module

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



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



Tools4ISP

DNS.be configuration

Config error, your license is not valid.

You are connecting to the license server from:

Reason: No key provided

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"/>
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 EURid username
- Password: your EURid password
- Host name: EURid 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 EURid Handle
- Handle to use for registrations if contact is wrong: a EURid Handle
- Your billing handle: a EURid 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
- 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 EURid will be visible on screen including passwords (disable this setting in production).
- Enable DebugMode2: All communication with EURid 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. Update the WHMCS EURid Module

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


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

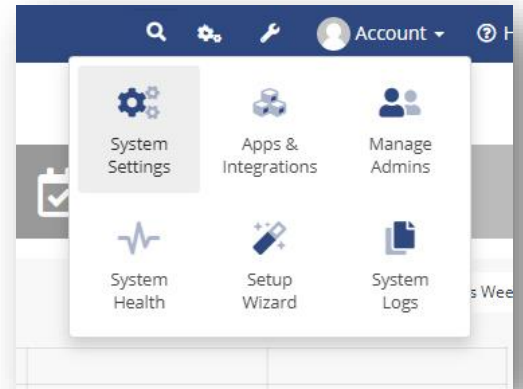
3.1 Update WHMCS

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

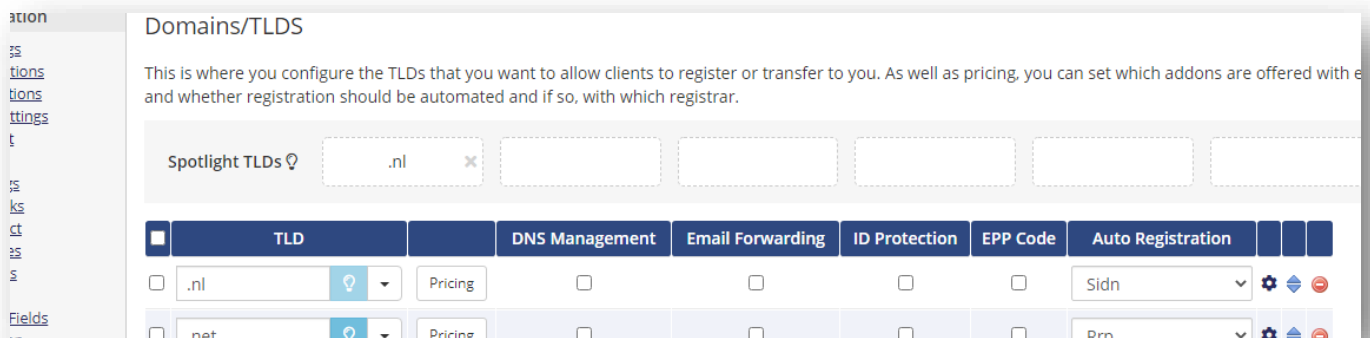
Before updating WHMCS always check whether the DNSbe module is compatible with the version of WHMCS. Preferably switch off the automatic updating option of WHMCS.

4. Setup registrar for EURid extentions

For coupling the a extension to EURid 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 "EURid" under Auto Registration as below:



5. Extra Options

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

Register	Register the domainname by EURid
Transfer	Transfer the domainname to EURid
Renew	Renew the domainname
Modify Contact Details	Modify the contact details (whois) for this domainname directly by EURid
Get EPP Code	Get the EPP (Authorization/Transfer) code for this domainname
Reset EPP code	Reset the EPP (Authorization/Transfer) code for this domainname
Delete Cache	Delete the cache in WHMCS for this domainname
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/registrar/EURid/

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/EURid/EURid_sync.php

The current options are:

compare	To compare WHMCS with EURid 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 EURid.
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 EURid for all domains.
donotautorenew	Disable autorenew at EURid for all domains.
donotrenew	Disable autorenew at EURid if it is disabled in WHMCS and enabled at EURid.
dorenew	Enable autorenew at EURid if it is enabled in WHMCS and disabled at EURid.
expirydates	When combined with compare the expiry date in WHMCS will be updated with the dates from EURid.
fixexpired	Update dates and set domains to Active if exists at EURid and invoices are paid.
fixwrongdates	If a date is 0000-00-00 in WHMCS update WHMCS with the date from EURid.
noverbose	To disable output from the script (possible except PHP errors, depending on WHMCS/your PHP configuration).
poll	Poll and process messages from EURid.
pollcancel	If a poll is done cancel domains that aren't at EURid after a transfer (outgoing transfers, poll is also automatically added).
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.

Example of cronjobs:

```
15 0 * * * /usr/bin/php /home/whmcsdev/www/modules/registrars/eurid/eurid_sync.php remove dnssecbydef dnssec noverbose
30 * * * * /usr/bin/php /home/whmcsdev/www/modules/registrars/eurid/eurid_sync.php poll pollcancel noverbose
45 * * * * /usr/bin/php /home/whmcsdev/www/modules/registrars/eurid/eurid_sync.php transfer noverbose
```

No options selected, nothing todo...

* 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).

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.
Multiple bug fixes	Fixed	2.16
Multiple improvements	Fixed	2.16
Multiple bug fixes	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: setrenew (combines dorenew and donotrenew)	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: poll & pollcancel (to automatically process outgoing transfers)	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: fixexpired (if the invoice is paid automatically set an expired domain to active)	Added	2.13
Option for cron: transfer (automatically process incoming transfers)	Added	2.13
Cancel terminate by hand admin	Fix	2.13
Code improved	Fix	2.13
Multiple bugfixes	Fix	2.13

Poll messages are now stored in database	Added	2.13
Option for cron: version (display version number, it also displays the link to the manual and exit)	Added	2.13

8.2 Version and release history

Version:	Release date:	added	Fixed	WHMCS version*
2.16	1 Apr	0	2	V8.1.4
2.15	23 Jun 2021	0	1	V8.1.3
2.14	31 march 2021	5	2	V8.1.3
2.13	16 nov 2020	10	3	V8.0
2.12	11 sept 2020	-	-	v8.0

* 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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