Installation Guide

This document outline the basic installation, configuration and the basic usage of the WHMCS DNS Provider Module

Requirements

In order to use the module's functionality, you will need the following

1. DirectAdmin hosting account with ability to create **addon** domains
2. **PHP INTL** module enabled on your WHMCS server
3. The DirectAdmin hosting account should **not** be on the same hosting server you serve your regular hosting with.
4. Your WHMCS server must have outgoing port to the DirectAdmin account's server (default is 2222) open in order to connect to the DirectAdmin server.

Installation

Upload all the files in the modules folder to your WHMCS /modules/addons and the /modules/server directory.

Language Uploads

The module includes English as the base language. If you wish to translate it to your enabled language in WHMCS. Make a copy of the english.php in /modules/addons/dnsprovideradmin/lang/ to your associated language. For example, french.php. The filename must match to the ones in the WHMCS/lang/french.php

Configuration

Module Activation

Log into your WHMCS admin backend and enable the module by going to **Setup Addon Modules DNS Provider Admin Activate**

Once activated, click on **Configure** and fill in the license key and make any settings adjustment.

Module Options

Option	Description
Verification Mode	Check for domain ownership when a customer add a domain into the database
Verification Interval	The interval (in minutes) when a domain under verification is checked again during a cronrun
Allow Manual Domain Verification	Allow for the customer to manually trigger a verification in the client area
Re-verify Period	Trigger for a re-verification to see if the domain is still set to the allocated nameservers. Set 0 to disable
Disable Re-Verify Suspension	Enable this to disable the module to NOT suspend the domain on the DirectAdmin server if it fails re-verification
Disable Suspension Renaming	Enable this to disable the module from suspending the domains on the DirectAdmin server if the customer's service under WHMCS is being suspended
Unverified Termination Period	The allowable period a domain can go unverified before it is removed from the customer's service. Set 0 to disable.

Re-verification Termination Period	The allowable period a domain can be unverified (after it enters Re-verify period) before it is removed from the customer's service. Set 0 to disable.
Migration Task Retry Limit	The amount of retries for a migration task before the task is removed from the queue.
Migration Task Retry Interval	The interval (in minutes) before re-running a migration task.
Enable email notification	Allow customer to receive email notification on DNS, Email forwarding, Catch-all changes.
Email Verify Template	The email template of (Email Destination Verification)
Notification Email Template	The email template to send for notification
Re-Verification Template	The email template to send to the client to notify their domain failed re-verification
Large DB exclusion	When this option is enabled, the Admin panel will no longer load the list of Active domains in the Drop Down search. You will have to fill in the domain manually. This is useful if you have a large domain database
Fetch from NS on load	When enabled Clients will load records from the DA Server regardless of the local cache
Fetch from NS on load (Admin)	When enabled Admin will load records from the DA Server regardless of the local cache
TTL on zone refresh	The order in the Domains menu for the DNS Manager link to appear
Default TTL	The amount of time (in seconds) before the local cache expires
Display under Service menu	When enabled it will display the **DNS Hosting** link under the WHMCS Navigation menu's **Services** Tab
Menu Showing Order	The order in the Service menu for the DNS Hosting link to appear
Search Integration	This option will integrate the domain search into WHMCS intelligent search
Systemwide Dynamic DNS API	Enable systemwide Dynamic DNS support
Enable API Force Detection	Enabling this will block an IP if it is exceeding the per hour API limit
Bruteforce Timer	The amount of seconds to check in the bruteforce log before denying
Bruteforce Ban Timer	The amount of seconds to ban the IP address from accessing the API
Enable Web Template	This to be used with domain parking and masked redirection.
Masked Redirect Hash	The secret hash key you will need to set with the connector_settings.php

⚠

Adding a Server

Similar to other WHMCS hosting provisioning modules, you will need to add a Server under WHMCS. To do this, go to **WHMCS Setup Products/Services Servers**.

Module Choose the control panel the server uses	DNS Provisioning Moc ⌄
Hostname or IP Address Used to connect to your servers API	▦
Username	
Password	⊕

Now create a new server and under **Module**. Fill in the IP of your DirectAdmin server, select **DNS Provisioning Module**, fill in the DirectAdmin username/password.

ℹ️ **Info**

The DirectAdmin username just need to be a regular account with Addon domains capability. It **does not** need to be have Admin or Reseller privilege.

Nameservers Setup

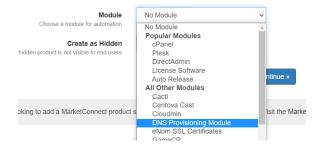| Nameservers			
Primary Nameserver		IP Address:	
Secondary Nameserver		IP Address:	
Third Nameserver		IP Address:	
Fourth Nameserver		IP Address:	
Fifth Nameserver		IP Address:	

Server Details

For the Nameservers, you will need to fill in the nameservers that will be handling the DNS records for this particular DirectAdmin server. See the Advance DNS Cluster guide if you are using **DirectAdmin Multi-Server** function.
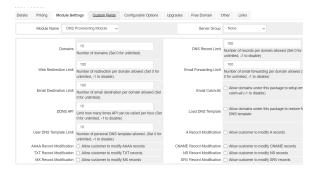
Setting up DNS Hosting Product

Once you have at least one server setup, you may proceed to create a DNS Hosting product. **Head to Setup Products/Services Products/Services.**

Proceed to create a new Product as you would normally, select **DNS Provisioning Module**

Module Choose a module for automation	No Module ⌄

No Module
Popular Modules
   cPanel
   Plesk
   DirectAdmin
   License Software
   Auto Release
All Other Modules
   Cacti
   Centova Cast
   Cloudmin
   DNS Provisioning Module
   eNom SSL Certificates
   GameCP

Create as Hidden
hidden product is not visible to end users

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Now proceed with the **Module Settings**, this is where you would configure this plan's parameters.

Don't forget to set the **Welcome Email**, **Pricing** for this plan. Once ready, save it and you are ready to sell your first DNS Hosting.

Cronjob Setup

In order for the module to execute verification and migration functions, the cronjob must be setup to run the cron file.

Setup the following command,

```
/usr/bin/wget -O /dev/null https://yourWHMCSURL/modules/servers/dnsprovider
/dnsprovider_cron.php >/dev/null 2>&1
```

Change the **yourWHMCSURL** to your WHMCS URL. Set the cronjob to run every 5 minutes.

If you have a tons of domains using the module, it is advisable to change it to every 15 minutes or longer.

> ⚠️ **Security Tip**
>
> You may want to setup a .htaccess file to block off unwanted IP address from hitting that dnsprovider_cron.php file.

2nd Level TLDs

For some domains such as domain.co.uk, it may be seen as a subdomain by the module. In order to combat this, we have introduced a whitelist file. The file is located in servers\dnsprovider\include.

Open tlddomains.php and you will be able to add your custom 2nd level TLD onto the array.