

# ReverseDNS WHMCS Module

The module allows managing rDNS records for all WHMCS services. Powerdns as backend.

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# Description

The ReverseDNS module for WHMCS allows your clients to fully manage rDNS (PTR) records for their virtual machines, dedicated servers, or entire IP address space directly from the client area.

This module uses PowerDNS as the backend and supports multi-server setups, meaning different reverse zones can be hosted on different DNS servers — all managed seamlessly within a single service.

## Key Features:

- Full rDNS management via client area
- PowerDNS backend integration
- Multi-server support for reverse zones
- Supports both "Dedicated IP" and "Additional IPs" fields
- Subnet (CIDR) management support
- Solves the lack of native rDNS management in WHMCS

This module provides a complete solution for reverse DNS control in WHMCS.

### *⚠ Important:*

In the first version of the module, rDNS management for **IPv6** addresses is **not supported**. Only IPv4 reverse DNS records can be managed at this time.

---

WHMCS minimal version: 8 +

PowerDNS minimal version: 4.9

Module Name

Server Group

License key   
success: 2025-08-11T19:48:33+02:00

[+ Create Zone](#)

Show  entries

Search:

Zone	Server	Action
1.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
2.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
3.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
4.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
5.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
8.b.d.0.1.0.0.2.ip6.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>

Showing 1 to 6 of 6 entries

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# Manage Reverse DNS for IPv4

Set PTR records for your service IP addresses.

Show  entries

Search:

IP	rDNS	Actions
192.168.1.1	mail.puqcloud.com.	<a href="#">Edit</a>
192.168.1.10	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.100	test2.puqcloud.com.	<a href="#">Edit</a>
192.168.1.101	test33.puqcloud.com.	<a href="#">Edit</a>
192.168.1.102	test11.puqcloud.com.	<a href="#">Edit</a>
192.168.1.103	test34.puqcloud.com.	<a href="#">Edit</a>
192.168.1.104	testee.puqcloud.com.	<a href="#">Edit</a>
192.168.1.105	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.106	dddd.d.puqcloud.com.	<a href="#">Edit</a>
192.168.1.107	test1.puqcloud.com.	<a href="#">Edit</a>

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## Edit rDNS



IP

192.168.1.1

rDNS

mail.puqcloud.com.

Enter the reverse DNS (PTR) record for this IP address.

Save

Close

192.168.1.100

test2.puqcloud.com.

192.168.1.101

test33.puqcloud.com.

192.168.1.102

test11.puqcloud.com.

192.168.1.103

test34.puqcloud.com.

192.168.1.104

testee.puqcloud.com.

192.168.1.105

test1.puqcloud.com.

192.168.1.106

dddd.puqcloud.com.

192.168.1.107

test1.puqcloud.com.

Actions

Edit

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# Changelog

v1.0 Released 12-07-2025

First version

# Installation and configuration guide

# WHMCS

## setup(install/update)

**Module is coded ionCube v13**

Supported php version:

- php 7.4 WHMCS 8.11.0 -
- php 8.1 WHMCS 8.11.0 +
- php 8.2 WHMCS 8.11.0 +

To install and update a module, you must perform one and the same action.

### 1. Download the latest version of the module.

PHP 8.2

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ReverseDNS/php82/PUQ_WHMCS-ReverseDNS-latest.zip
```

PHP 8.1

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ReverseDNS/php81/PUQ_WHMCS-ReverseDNS-latest.zip
```

PHP 7.4

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ReverseDNS/php74/PUQ_WHMCS-ReverseDNS-latest.zip
```

All versions are available via link:

[https://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-ReverseDNS/](https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-ReverseDNS/)

2. Unzip the archive with the module.

```
unzip PUQ_WHMCS-ReverseDNS-latest.zip
```

3. Copy and Replace "puqReverseDNS" to  
"WHMCS\_WEB\_DIR/modules/servers/"

# Product Configuration

## Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the "**PUQ ReverseDNS**" module

The screenshot shows the configuration page for the 'PUQ ReverseDNS' module. At the top, there are two dropdown menus: 'Module Name' set to 'PUQ ReverseDNS' and 'Server Group' set to 'None'. Below these is a 'License key' field with a success message: 'success: 2025-08-11T19:48:33+02:00'. A green '+ Create Zone' button is visible. The main area contains a table of zones with columns for 'Zone', 'Server', and 'Action'. The table lists six zones, all pointing to 'https://pdns.puq.pl:443'. Each zone has 'Test' and 'Delete' buttons. A search bar and a 'Show 100 entries' dropdown are also present. At the bottom, it says 'Showing 1 to 6 of 6 entries' and has 'Previous', '1', and 'Next' navigation buttons.

Zone	Server	Action
1.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
2.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
3.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
4.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
5.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
8.b.d.0.1.0.0.2.ip6.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>

In the product settings, you must assign all rDNS zones that should be available for this product. It is strongly recommended to include all reverse zones for IP addresses that are used in your services — such as virtual machines, dedicated servers, or other offerings.

### Important:

If a reverse zone is not added to the product configuration, the client will not be able to manage rDNS records for IPs within that zone.

Those IP addresses will not even be visible in the client area.

In other words, clients can only manage rDNS records for IPs that belong to the zones

explicitly added to the product settings. All other IPs will be hidden from view and unavailable for modification rDNS record.

The screenshot shows a web application interface with a modal window titled "Add Reverse DNS Zone". The modal contains three input fields: "Zone" (with a placeholder "e.g. 0.168.192.in-addr.arpa" and a note "Enter the reverse DNS zone (PTR format)."), "Server" (with a placeholder "https://api.example.com:8081" and a note "Enter the PowerDNS API server address with protocol and port."), and "API Key" (with a placeholder "PowerDNS API key"). The modal has "Cancel" and "Save" buttons. In the background, a table lists existing reverse DNS zones with columns for Zone, Server, and Action (Test, Delete).

Zone	Server	Action
1.168.192.in-addr.arpa	https://pdns.puq.pl:443	Test Delete
2.168.192.in-addr.arpa	https://pdns.puq.pl:443	Test Delete
3.168.192.in-addr.arpa	https://pdns.puq.pl:443	Test Delete
4.168.192.in-addr.arpa	https://pdns.puq.pl:443	Test Delete
5.168.192.in-addr.arpa	https://pdns.puq.pl:443	Test Delete
8.b.d.0.1.0.0.2.ip6.arpa	https://pdns.puq.pl:443	Test Delete

To add a new rDNS zone, click the "**Add Zone**" button. A popup window will appear where you can enter the required zone details.

### Fields to fill:

- **Zone**

For IPv4, enter the reverse zone in the format:

`1.168.192.in-addr.arpa` — this corresponds to a /24 subnet.

For IPv6, enter the zone in /64 format like:

`8.b.d.0.1.0.0.2.ip6.arpa`

- **Server**

Enter the hostname or IP address of the PowerDNS server or Admin PowerDNS panel.

- **API Key**

Provide the API key used to authenticate with the PowerDNS server.

These settings allow the module to connect and manage the specified reverse DNS zone.

Zone Test Result

Zone Test Success  
Zone: 1.168.192.in-addr.arpa.

Zone	Type	TTL	Content	Disabled
1.168.192.in-addr.arpa.	PTR	3600	fgh.	No
1.168.192.in-addr.arpa.	PTR	3600	cvb.	No
1.168.192.in-addr.arpa.	PTR	3600	xcvxcv.	No
1.168.192.in-addr.arpa.	PTR	3600	uuuuuuuuuuuuuu.	No
1.168.192.in-addr.arpa.	PTR	3600	cvb.	No
1.168.192.in-addr.arpa.	PTR	3600	dsfdf.	No
1.168.192.in-addr.arpa.	PTR	3600	dupa.romana.pl.	No
1.168.192.in-addr.arpa.	PTR	3600	test1.puqcloud.com.	No
1.168.192.in-addr.arpa.	PTR	3600	gdfgdfgdfg.	No
1.168.192.in-addr.arpa.	PTR	3600	fffffffff.	No
1.168.192.in-addr.arpa.	PTR	3600	dddd.puqcloud.com.	No
1.168.192.in-addr.arpa.	PTR	3600	sdfsdfsdf.	No
1.168.192.in-addr.arpa.	PTR	3600	test1.puqcloud.com.	No
1.168.192.in-addr.arpa.	PTR	3600	hfhf.	No

To verify the availability of a zone and the connection to the PowerDNS server, use the **"Test"** button.

When clicked, a modal window will appear displaying the result:

- If the connection is successful, the modal will show a list of records retrieved from the specified zone.
- If there is an error, the modal will display detailed error information, helping you diagnose connectivity or configuration issues.

Products/Services

Edit Product

Changes Saved Successfully!  
Your changes have been saved.

Details Pricing Module Settings

Module Settings

Server

License key  success: 2025-08-11T19:48:33+02:00

Create Zone

Show 100 entries

Zone	Server	Action
1.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
2.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
3.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
4.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
5.168.192.in-addr.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>
8.b.d.0.1.0.0.2.ip6.arpa	https://pdns.puq.pl:443	<a href="#">Test</a> <a href="#">Delete</a>

Showing 1 to 6 of 6 entries

Zone Test Result

Error

Unexpected error occurred with HTTP code 403

Close

# Client Area

Client Area

# Home screen

On the client area homepage of the service, clients will immediately see a list of all IP addresses assigned to their services.

Each IP has an editable rDNS record.

When a client updates a record, the change is instantly applied to the corresponding zone in **PowerDNS** — no manual action is required.

## Manage Reverse DNS for IPv4

Set PTR records for your service IP addresses.

Show  entries

Search:

IP	rDNS	Actions
192.168.1.1	mail.puqcloud.com.	<a href="#">Edit</a>
192.168.1.10	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.100	test2.puqcloud.com.	<a href="#">Edit</a>
192.168.1.101	test33.puqcloud.com.	<a href="#">Edit</a>
192.168.1.102	test11.puqcloud.com.	<a href="#">Edit</a>
192.168.1.103	test34.puqcloud.com.	<a href="#">Edit</a>
192.168.1.104	testee.puqcloud.com.	<a href="#">Edit</a>
192.168.1.105	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.106	dddd.puqcloud.com.	<a href="#">Edit</a>
192.168.1.107	test1.puqcloud.com.	<a href="#">Edit</a>

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## Edit rDNS



IP

192.168.1.1

rDNS

mail.puqcloud.com.

Enter the reverse DNS (PTR) record for this IP address.

Save

Close

IP	rDNS	Actions
192.168.1.10	test1.puqcloud.com.	Edit
192.168.1.100	test2.puqcloud.com.	Edit
192.168.1.101	test33.puqcloud.com.	Edit
192.168.1.102	test11.puqcloud.com.	Edit
192.168.1.103	test34.puqcloud.com.	Edit
192.168.1.104	testee.puqcloud.com.	Edit
192.168.1.105	test1.puqcloud.com.	Edit
192.168.1.106	dddd.puqcloud.com.	Edit
192.168.1.107	test1.puqcloud.com.	Edit

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...

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Next

# Admin Area

# Product Information

In the admin area, under the product management section, you can view a complete list of all client-assigned IP addresses and their corresponding rDNS records.

Just like in the client area, administrators have the ability to edit rDNS records directly from this interface.

All changes are instantly applied to the PowerDNS server.

Domain

Dedicated IP

Username

Password

Status Active

Next Due Date 00/00/0000  
N/A

Termination Date

Billing Cycle Free

Payment Method PayPal

Promotion Code None

Module Commands Create Suspend Unsuspend Terminate

Show 10 entries Search:

IP	rDNS	Actions
192.168.1.1	mail.puqcloud.com.	<a href="#">Edit</a>
192.168.1.10	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.100	test2.puqcloud.com.	<a href="#">Edit</a>
192.168.1.101	test33.puqcloud.com.	<a href="#">Edit</a>
192.168.1.102	test11.puqcloud.com.	<a href="#">Edit</a>
192.168.1.103	test34.puqcloud.com.	<a href="#">Edit</a>
192.168.1.104	testee.puqcloud.com.	<a href="#">Edit</a>
192.168.1.105	test1.puqcloud.com.	<a href="#">Edit</a>
192.168.1.106	dddd.puqcloud.com.	<a href="#">Edit</a>
192.168.1.107	test1.puqcloud.com.	<a href="#">Edit</a>

Showing 1 to 10 of 257 entries Previous 1 2 3 4 5 ... 26 Next

Records

Domain:

Dedicated IP:

Username:

Password:

Status: Active

Module Commands: Create | Suspend

Next Due Date: 00/00/0000

Termination Date: N/A

Billing Cycle: Free

Payment Method: PayPal

Promotion Code: None

Search:

### Edit rDNS

IP: 192.168.1.1  
This IP address is assigned to your service and cannot be changed.

rDNS: mail.puqcloud.com.  
Enter the reverse DNS (PTR) record for this IP address.

Save Close

IP	rDNS	Actions
192.168.1.1	mail.puqcloud.com.	Edit
192.168.1.10	test1.puqcloud.com.	Edit
192.168.1.100	test2.puqcloud.com.	Edit
192.168.1.101	test33.puqcloud.com.	Edit
192.168.1.102	test11.puqcloud.com.	Edit
192.168.1.103	test34.puqcloud.com.	Edit
192.168.1.104	testee.puqcloud.com.	Edit
192.168.1.105	test1.puqcloud.com.	Edit
192.168.1.106	dddd.puqcloud.com.	Edit
192.168.1.107	test1.puqcloud.com.	Edit

Showing 1 to 10 of 257 entries

Previous 1 2 3 4 5 ... 26 Next