

DNS: Record Management

- [Web Interface](#)
- [Adding and Editing Records](#)
 - [Forward Zones](#)
 - [Reverse \(PTR\) Zones](#)
 - [IPv4](#)
 - [IPv6](#)
 - [Secondary Zones](#)
- [Issues](#)
 - [HTTP 500 error](#)



The WiscNet DNS Portal is only accessible while connected to the WiscNet Network. It was updated on 15 Feb 2024 which gives a slightly different appearance with functionality intact

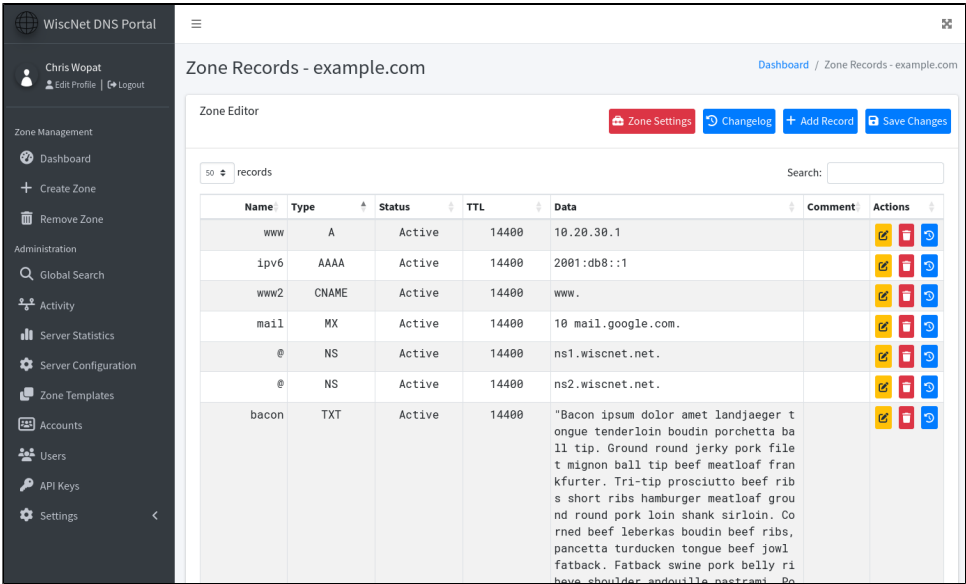
As of fall 2021, WiscNet has transitioned to a DNS management system that allows you to manage your own DNS records should you choose to.

- <https://dnsportal.wiscnet.net/>

If you are interested in managing your own zone files, please follow the instructions on [DNS: Creating a DNS Portal User](#) or reach out to support@wiscnet.net to request access.


Web Interface

The DNS portal will allow you to edit the following fields for a DNS record.

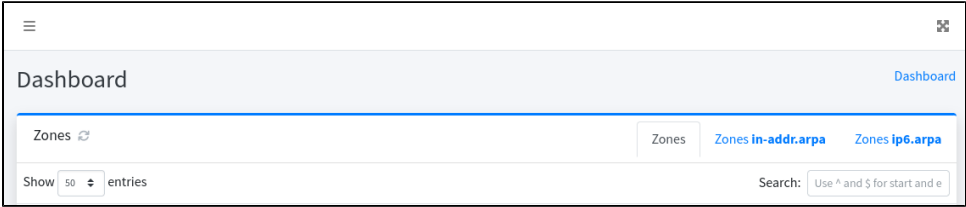
Field	Default	Description	Screenshot
Name	<blank>	DNS Name	
Type	A	Record type. List is alphabetical, see below for common uses	
Status	Active	Active /Disabled. Lets you disable a record. The DNS server will not serve a disabled entry, but leave it visible in the portal if you need to re-enable later.	
TTL	4 Hours (14400 seconds)	Time to Live. Amount of time this record should be cached on Recursive DNS servers before rechecking with Authoritative servers. Leave as default unless this is a special case.	

Data	<blank>	<p>The value to return, "destination".</p> <p>If the Data field contains a name, you must use the fully-qualified domain name.</p> <p>e.g. if you point 'maple.example.com' to the CNAME 'bacon.example.com', the Data field must contain 'bacon.example.com.'</p>
Comment	<blank>	<p>Comment to yourself, e.g. "ticket 1234".</p> <p>The comment field will not be used as DNS data, and is only visible in portal.</p>

Adding and Editing Records

 When making changes to records, be sure to press [SAVE CHANGES](#) button before navigating away from the edit view or your changes will be lost!

Forward Zones

Instructions	Screenshot
<p>Forward zones are listed on the "Zones" tab</p> <p>See DNS: Record Types for details about specific record types (A, NS, MX, etc).</p>	

Press **ADD RECORD** to create a new record OR **EDIT** to modify an existing record.

Fill in the **Name, Type, and Data** fields. **Status, TTL, Comment** fields are optional.

We recommend keeping the TTL set to 4 hours (14400 seconds) unless you know you need a different value.

WiscNet DNS Portal

Chris Wopat

Dashboard

Create Zone

Remove Zone

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - example.com

Dashboard / Zone Records - example.com

Zone Editor

Zone Settings

Change Log

Add Record

Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
www	A	Active	4 hours	10.20.30.1		Save
@	NS	Active	14400	ns1.wiscnet.net.		✎ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✎ ✖ ↺
bacon	TXT	Active	14400	"Bacon ipsum dolor amet landjaeger tongue tenderloin boudin porchetta ball tip. Ground round jerky pork filet mignon ball tip beef meatloaf frankfurter. Tri-tip prosciutto beef ribs short ribs hamburger meatloaf ground round pork loin shank sirloin. Corned beef leberkas boudin beef ribs, pancetta turducken tongue beef jowl fatback. Fatback swine pork belly ribeye shoulder andouille pastrami. Pork chop biltong ground round tongue, ball tip shank short loin sirloin."		✎ ✖ ↺
ipv6	AAAA	Active	14400	2001:db8::1		✎ ✖ ↺

Press **SAVE** to the right of the record you added. You will get a warning at the top. Make further additions or changes if desired.

WiscNet DNS Portal

Chris Wopat

Dashboard

Create Zone

Remove Zone

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - example.com

Dashboard / Zone Records - example.com

Warning: Unsaved Changes

There are unsaved changes for the zone. Please click Save Changes to save all of your changes.

Zone Editor

Zone Settings

Change Log

Add Record

Save Changes

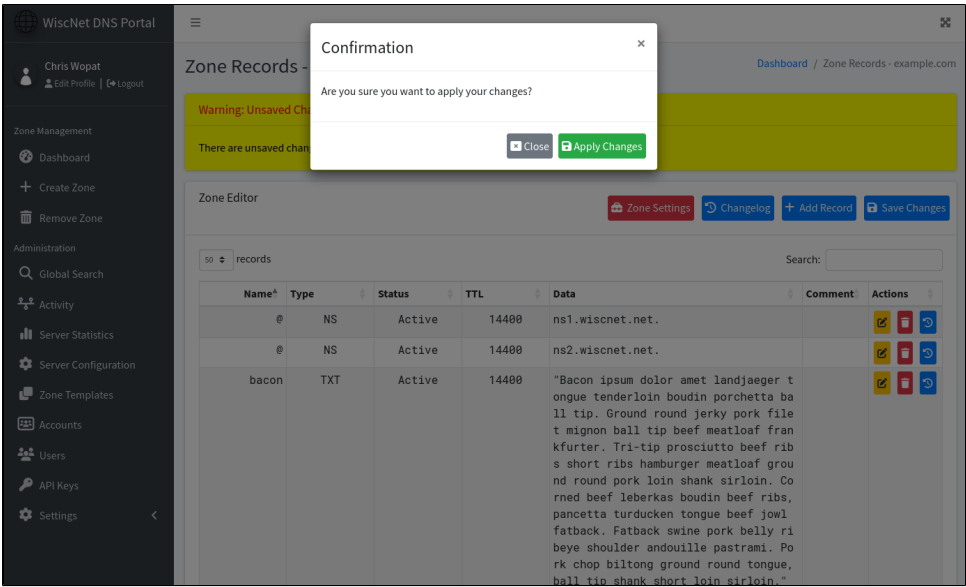
50 records

Search:

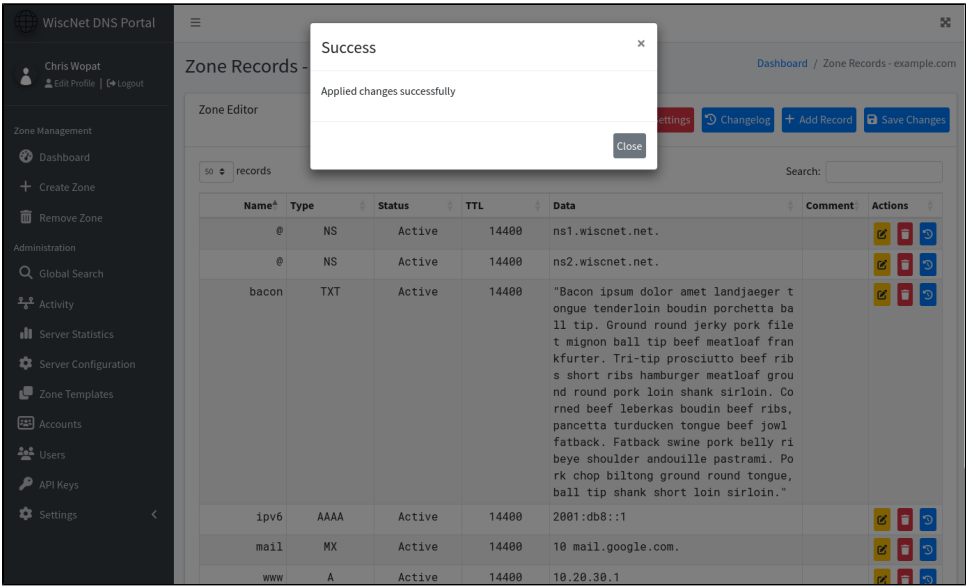
Name	Type	Status	TTL	Data	Comment	Actions
@	NS	Active	14400	ns1.wiscnet.net.		✎ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✎ ✖ ↺
bacon	TXT	Active	14400	"Bacon ipsum dolor amet landjaeger tongue tenderloin boudin porchetta ball tip. Ground round jerky pork filet mignon ball tip beef meatloaf frankfurter. Tri-tip prosciutto beef ribs short ribs hamburger meatloaf ground round pork loin shank sirloin. Corned beef leberkas boudin beef ribs, pancetta turducken tongue beef jowl fatback. Fatback swine pork belly ribeye shoulder andouille pastrami. Pork chop biltong ground round tongue, ball tip shank short loin sirloin."		✎ ✖ ↺

Press **SAVE CHANGES** under the yellow warning to apply all changes you've made

Confirm changes by pressing **APPLY CHANGES**



Success! The page will auto refresh



Reverse (PTR) Zones

IPv4

Instructions	Screenshot
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IPv4 reverse zones are listed on the "Zones in-addr.arpa" tab. These will only appear if you own or have delegated IPv4 space.

IPv4 reverse zones are listed in a reverse format per RFC1035 Sec 3.5. A zone called "30.20.10.in-addr.arpa" handles data for 10.20.30.0/24.

Dashboard

Zones

Zones in-addr.arpa

Zones ip6.arpa

Show 50 entries

Search: Use ^ and \$ for start and e

Press **ADD RECORD** OR **EDIT** button

Set "name" to the last number in the IP address, which is 1 in this example (this will create 10.20.30.1)

For data, enter the full domain name, **www.example.com** in this example

Note that PTR records require a trailing period (.) character. If you do not enter one, it will be automatically added.

WiscNet DNS Portal

Chris Wopat

Edit Profile | Logout

Zone Management

Dashboard

Create Zone

Remove Zone

Administration

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 30.20.10.in-addr.arpa

Zone Editor

Zone Settings

Changelog

Add Record

Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
1	PTR	Active	4 hours	www.example.com		Save
@	NS	Active	14400	ns1.wiscnet.net.		✎ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✎ ✖ ↺

Showing 1 to 3 of 3 entries

Previous 1 Next

PowerDNS-Admin

A PowerDNS web interface with advanced features.

Version 0.4.2

Press **SAVE** to the right of the record you added

You will get a warning at the top

Make further additions or changes if desired

WiscNet DNS Portal

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Edit Profile | Logout

Zone Management

Dashboard

Create Zone

Remove Zone

Administration

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 30.20.10.in-addr.arpa

Warning: Unsaved Changes

There are unsaved changes for the zone. Please click Save Changes to save all of your changes.

Zone Editor

Zone Settings

Changelog

Add Record

Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
1	PTR	Active	14400	www.example.com		Edit ✎
@	NS	Active	14400	ns1.wiscnet.net.		✎ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✎ ✖ ↺

Showing 1 to 3 of 3 entries

Previous 1 Next

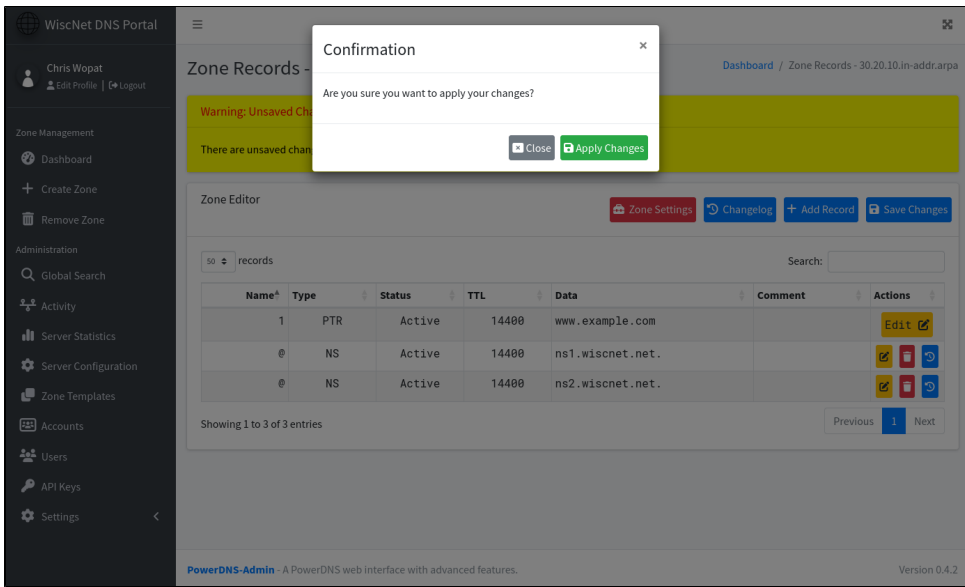
PowerDNS-Admin

A PowerDNS web interface with advanced features.

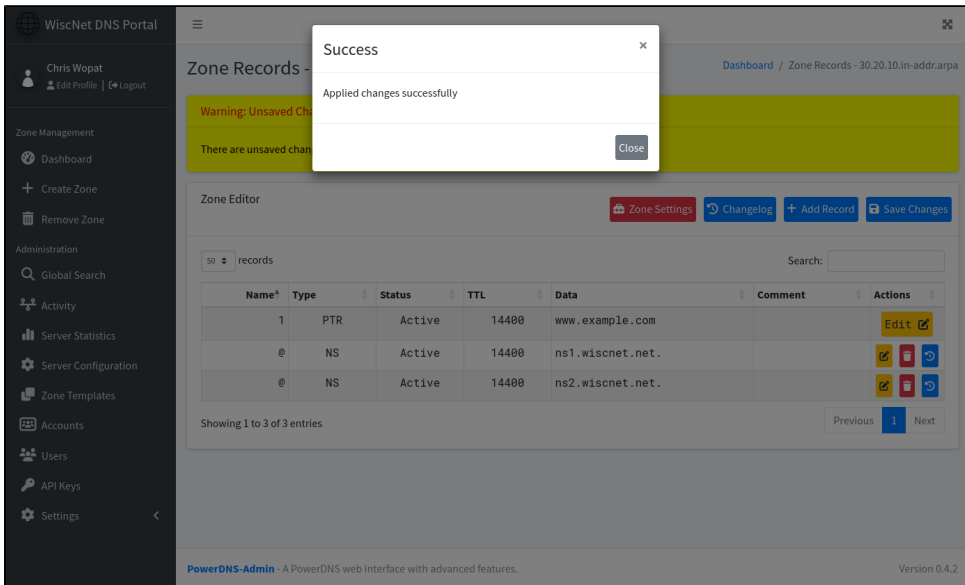
Version 0.4.2

Press
SAVE CHANGES
under the yellow
warning to apply
all changes you've
made

Confirm changes
by pressing
APPLY CHANGES



Success!
The page will auto
refresh



IPv6

Instructions	Screenshot
--------------	------------

IPv6 reverse zones are listed on the "Zones ip6.arpa" tab. These will only appear if you own or have delegated IPv6 space.

IPv6 reverse zones are defined in [rfc3152](#) and use a reverse format. **0.e.4.0.1.0.0.2.ip6.arpa** is for **2001:4e0::32**.

Press

ADD RECORD

OR

EDIT

button

Dashboard

Zones

Zones

Zones In-addr.arpa

Zones ip6.arpa

Show

50

entries

Search:

Use ^ and \$ for start and e

You do not have to reverse the IPv6 address

Set the Name to the full ipv6 address.

For data, enter the full domain name, **www.example.com** in this example

Note that PTR records require a trailing period (.) character. If you do not enter one, it will be automatically added.

WiscNet DNS Portal

Chris Wopat

Edit Profile | Logout

Zone Management

Dashboard

Create Zone

Remove Zone

Administration

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 0.5.0.1.0.e.4.0.1.0.0.2.ip6.arpa

Zone Editor

Zone Settings

Changelog

Add Record

Save Changes

50 records

Search:

Name^	Type	Status	TTL	Data	Comment	Actions
2001:4e0::	PTR	Active	4 hours	www.example.com.		Save
@	NS	Active	14400	ns1.wiscnet.net.		✓ ✕ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✓ ✕ ↺

Showing 1 to 3 of 3 entries

Previous

1

Next

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Version 0.4.2

Press **SAVE** to the right of the record you added

You will get a warning at the top

Make further additions or changes if desired

WiscNet DNS Portal

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Zone Management

Administration

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Edit Profile | Logout

Dashboard

Create Zone

Remove Zone

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 0.5.0.1.0.e.4.0.1.0.0.2.ip6.arpa

Warning: Unsaved Changes

There are unsaved changes for the zone. Please click Save Changes to save all of your changes.

Zone Editor

Zone Settings | Changelog | Add Record | Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
2001:4e0:1050:1::1	PTR	Active	14400	www.example.com		Edit
@	NS	Active	14400	ns1.wiscnet.net.		✓ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✓ ✖ ↺

Showing 1 to 3 of 3 entries

Previous | 1 | Next

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Version 0.4.2

Press **SAVE CHANGES** under the yellow warning to apply all changes you've made

Confirm changes by pressing **APPLY CHANGES**

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Zone Management

Administration

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Edit Profile | Logout

Dashboard

Create Zone

Remove Zone

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 0.5.0.1.0.e.4.0.1.0.0.2.ip6.arpa

Warning: Unsaved Changes

There are unsaved changes for the zone. Please click Save Changes to save all of your changes.

Zone Editor

Zone Settings | Changelog | Add Record | Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
2001:4e0:1050:1::1	PTR	Active	14400	www.example.com		Edit
@	NS	Active	14400	ns1.wiscnet.net.		✓ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✓ ✖ ↺

Showing 1 to 3 of 3 entries

Previous | 1 | Next

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Version 0.4.2

Confirmation

Are you sure you want to apply your changes?

Close | Apply Changes

Success!

The page will auto refresh

WiscNet DNS Portal

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Zone Management

Administration

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Edit Profile | Logout

Dashboard

Create Zone

Remove Zone

Global Search

Activity

Server Statistics

Server Configuration

Zone Templates

Accounts

Users

API Keys

Settings

Zone Records - 0.5.0.1.0.e.4.0.1.0.0.2.ip6.arpa

Warning: Unsaved Changes

There are unsaved changes for the zone. Please click Save Changes to save all of your changes.

Zone Editor

Zone Settings | Changelog | Add Record | Save Changes

50 records

Search:

Name	Type	Status	TTL	Data	Comment	Actions
2001:4e0:1050:1::1	PTR	Active	14400	www.example.com		Edit
@	NS	Active	14400	ns1.wiscnet.net.		✓ ✖ ↺
@	NS	Active	14400	ns2.wiscnet.net.		✓ ✖ ↺

Showing 1 to 3 of 3 entries

Previous | 1 | Next

PowerDNS-Admin - A PowerDNS web interface with advanced features.

Version 0.4.2

Success

Applied changes successfully

Close

Secondary Zones

If WiscNet's DNS servers are acting as secondary to yours, you may view your zones but cannot make changes in our portal.

Issues

HTTP 500 error

- Could happen during upgrades of the dnsportal. Clear cookies/cache.
- If this doesn't solve the issue, contact [WiscNet Support](#)