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

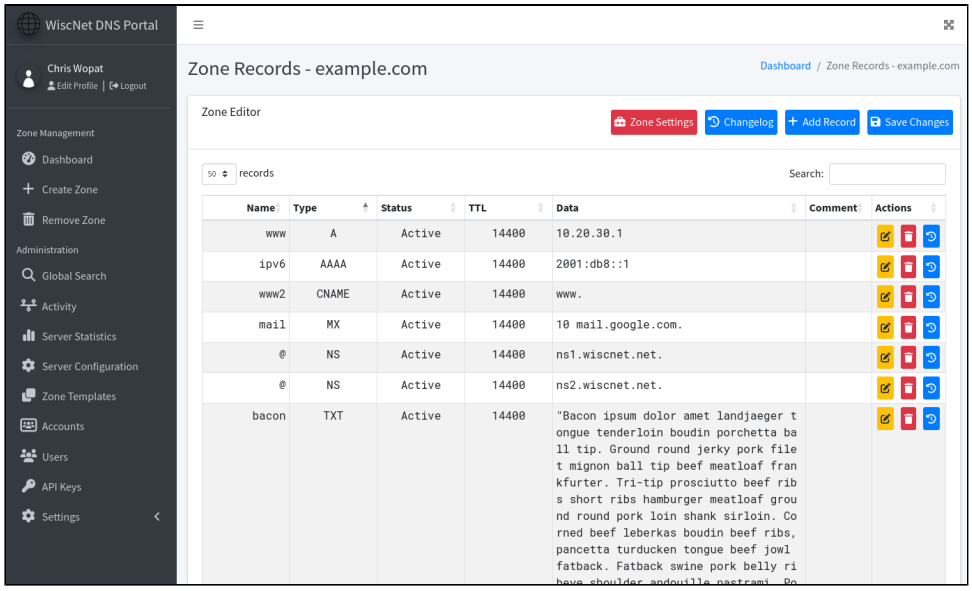
As of fall 2021, WiscNet has transitioned to a DNS management system that allows you to manage your own DNS records should you choose to.

- 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.

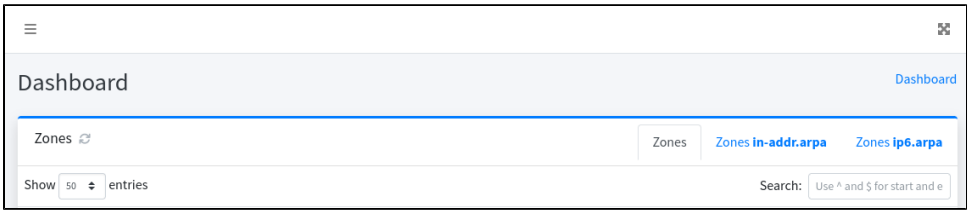
Field	Default	Description	Screenshot
Name	*<blank>*	DNS Name	
Type	A	Record type. List is alphabetical, see below for common uses	
Status	Active	Active /Disabled. Lets you disable a record. The DNS server will not serve a disabled entry, but leave it visible in the portal if you need to re-enable later.	
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>*	The value to return, "destination". If the Data field contains a name, you must use the fully-qualified domain name. e.g. if you point 'maple.example.com' to the CNAME 'bacon.example.com', the Data field must contain 'bacon.example.com.'
Comment	*<blank>*	Comment to yourself, e.g. "ticket 1234". The comment field will not be used as DNS data, and is only visible in portal.

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

Press

ADD RECORD

to create a new record OR

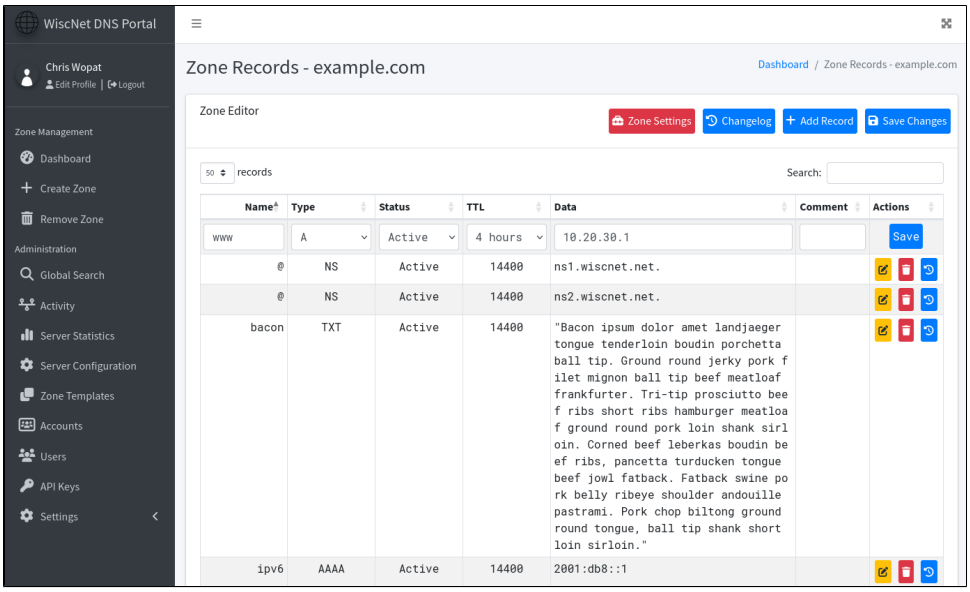
EDIT

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.



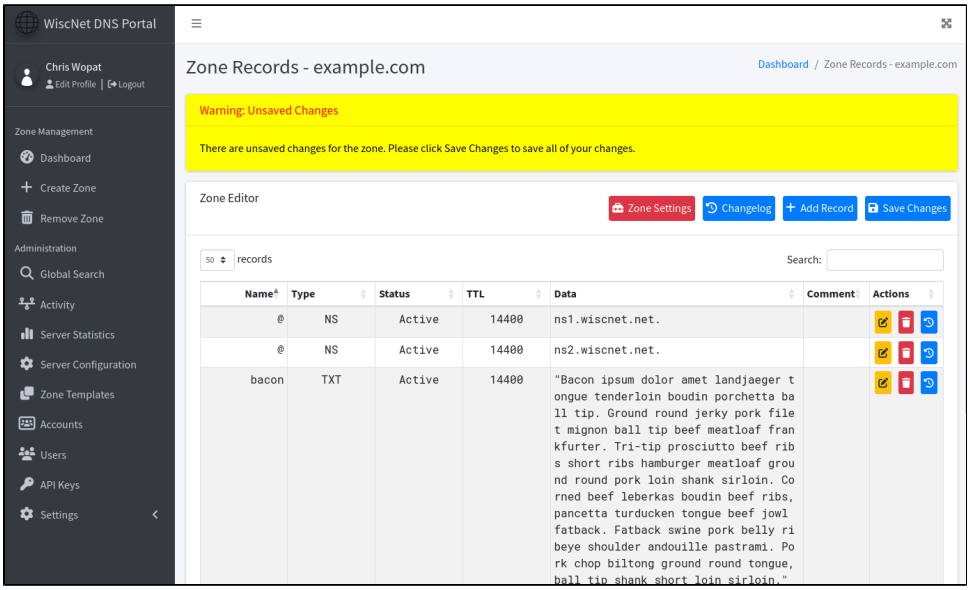
Press

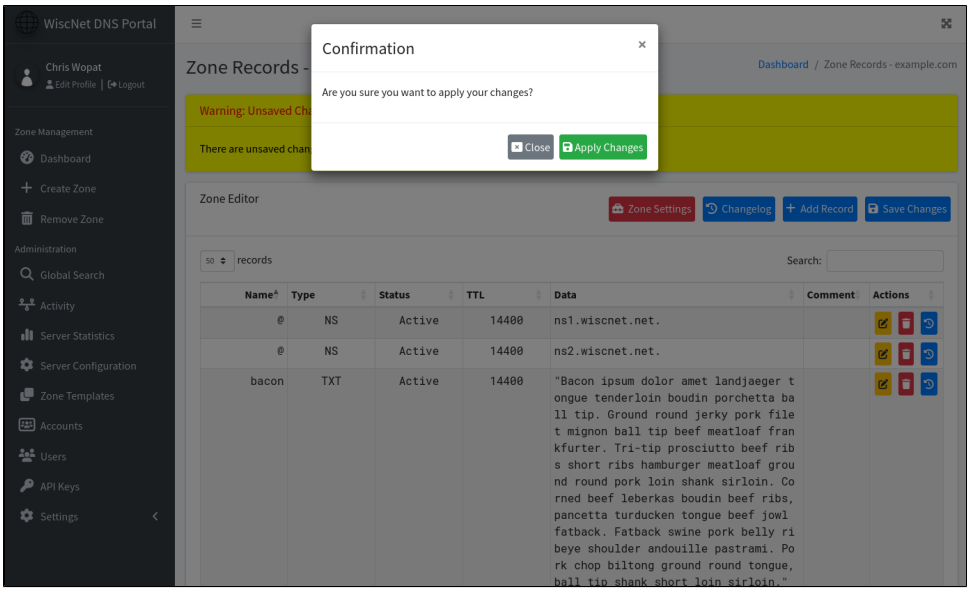
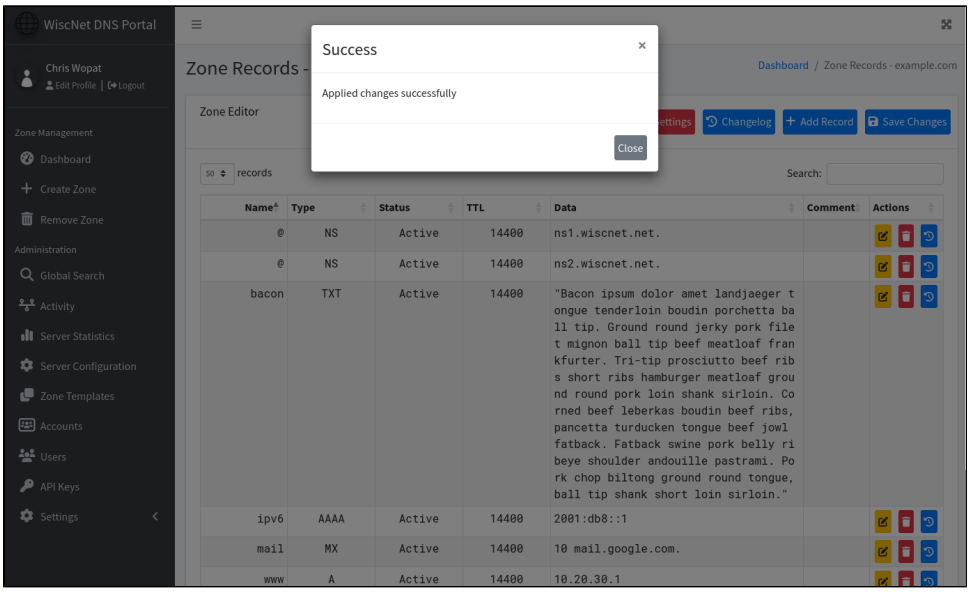
SAVE

to the right of the record you added

You will get a warning at the top

Make further additions or changes if desired



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	

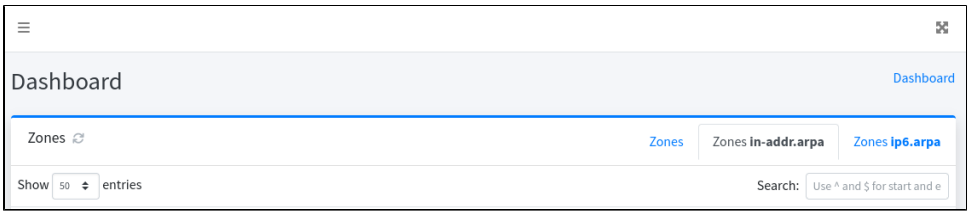
Reverse (PTR) Zones

IPv4

Instructions	Screenshot

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**.



Press

ADD RECORD

OR

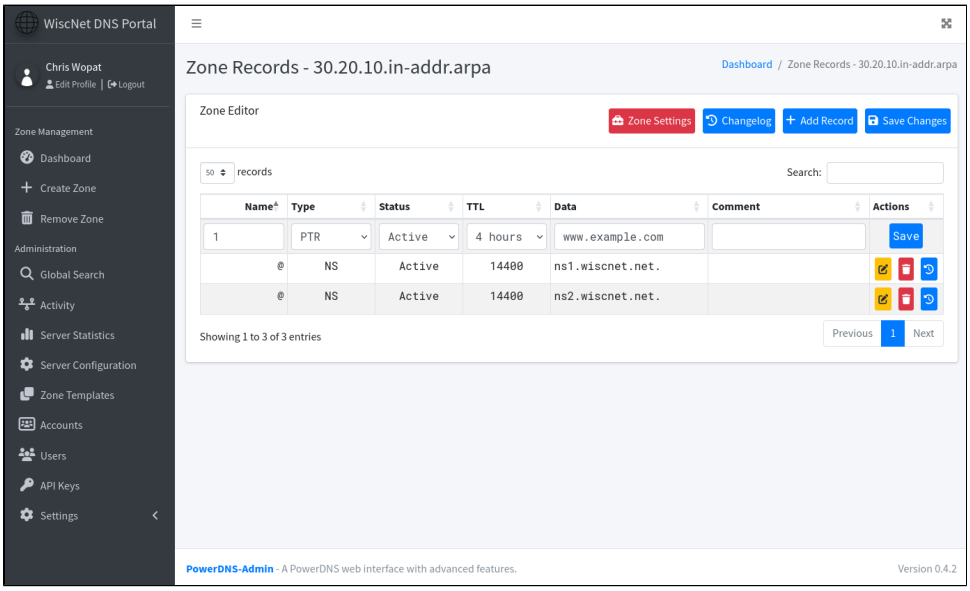
EDIT

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.



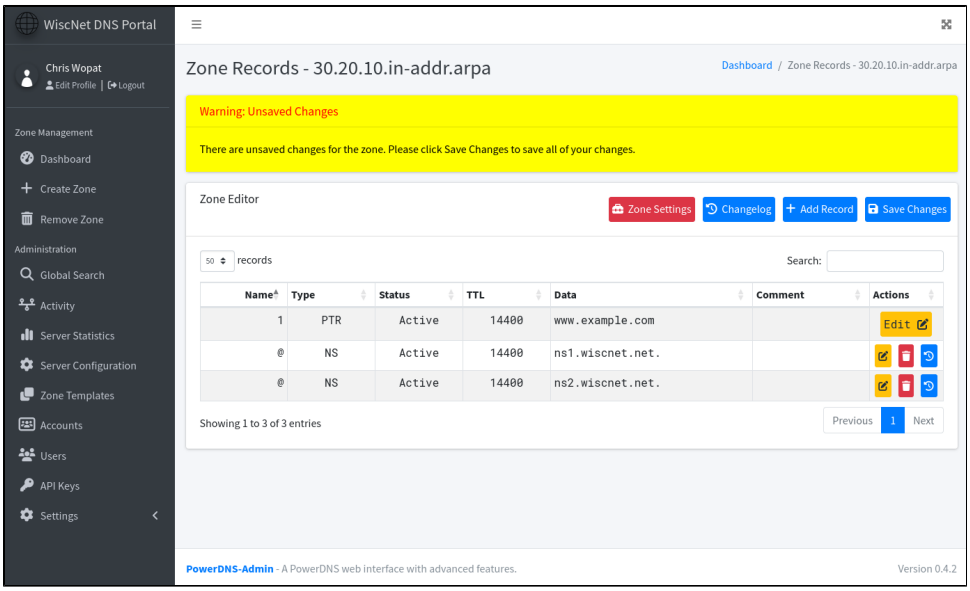
Press

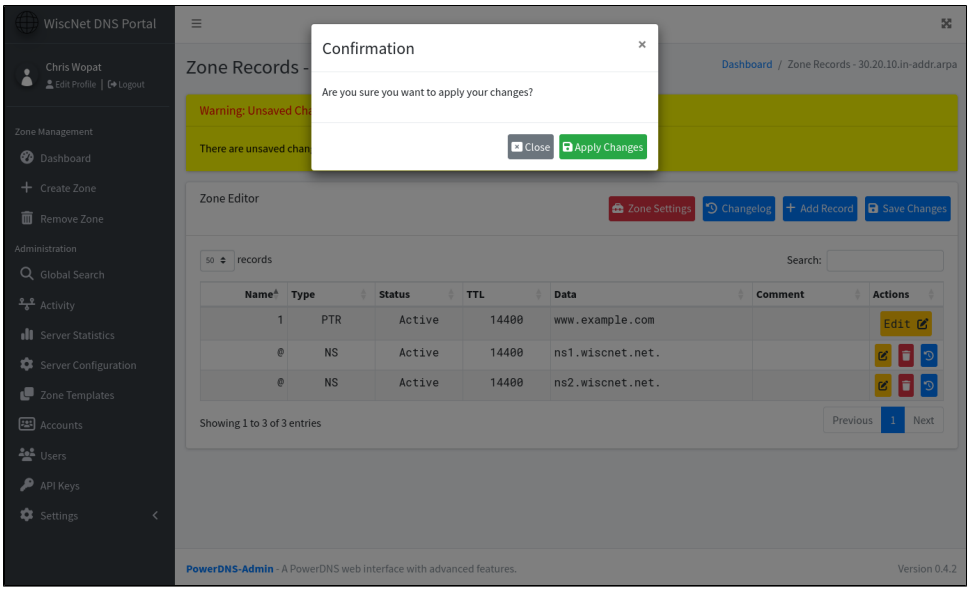
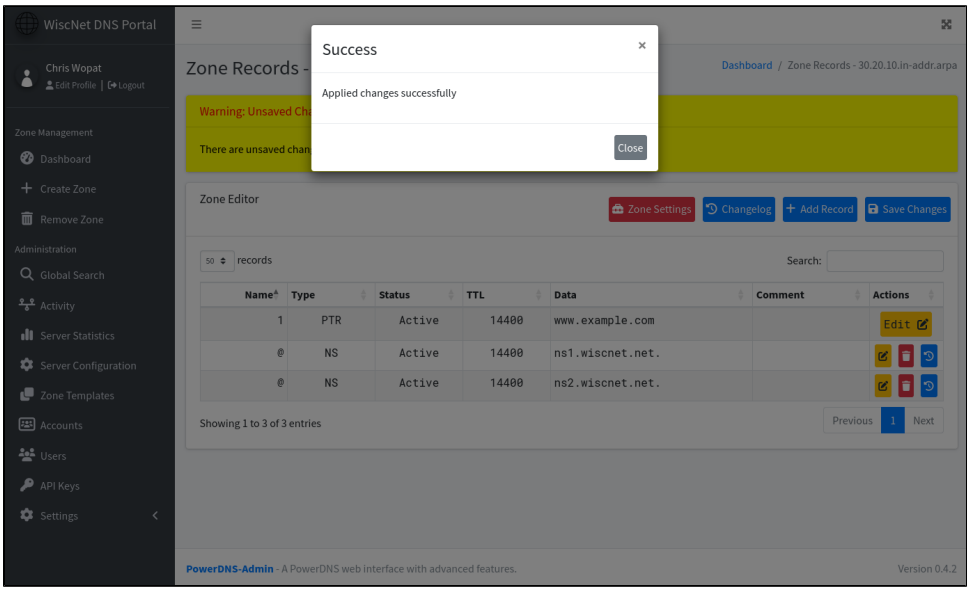
SAVE

to the right of the record you added

You will get a warning at the top

Make further additions or changes if desired



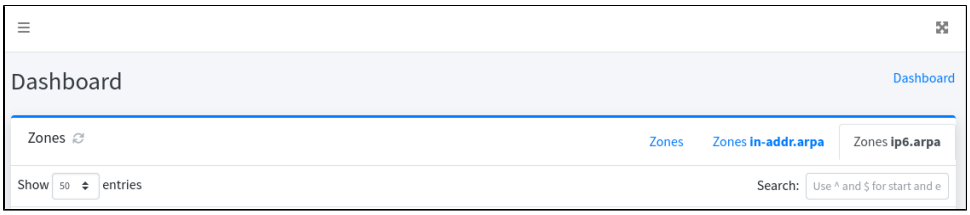
Press SAVE CHANGES under the yellow warning to apply all changes you've made Confirm changes by pressing APPLY CHANGES	
Success! The page will auto refresh	

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**.



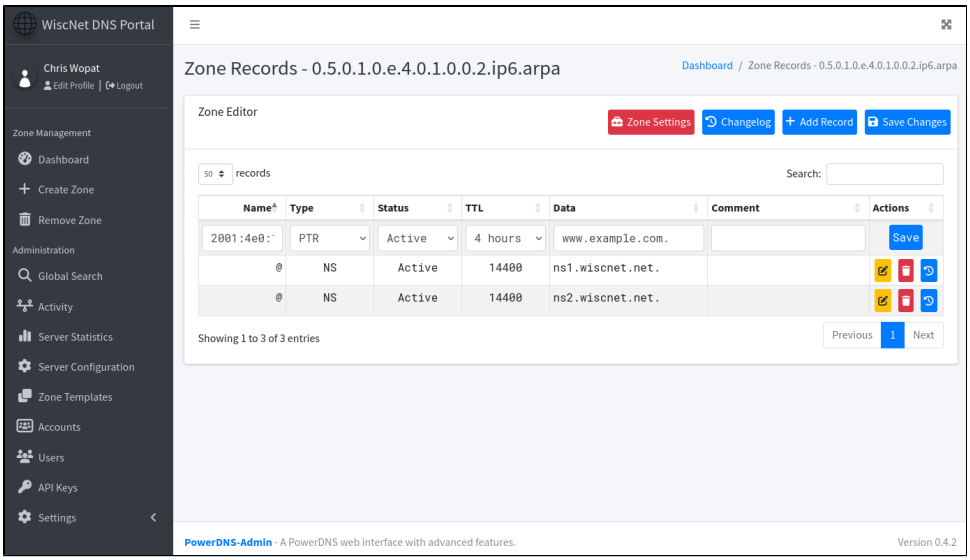
Press

ADD RECORD

OR

EDIT

button



> You do not have to reverse the IPv6 address

Set the Name to the full ipv6 address.

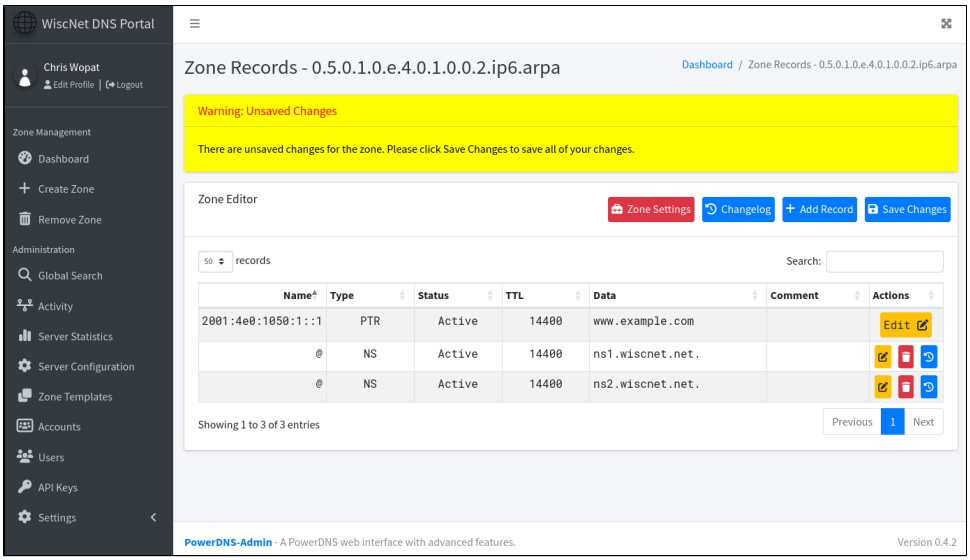
For data, enter the full domain name, **www.example.com** in this example

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

Press
SAVE
to the right of the record you added

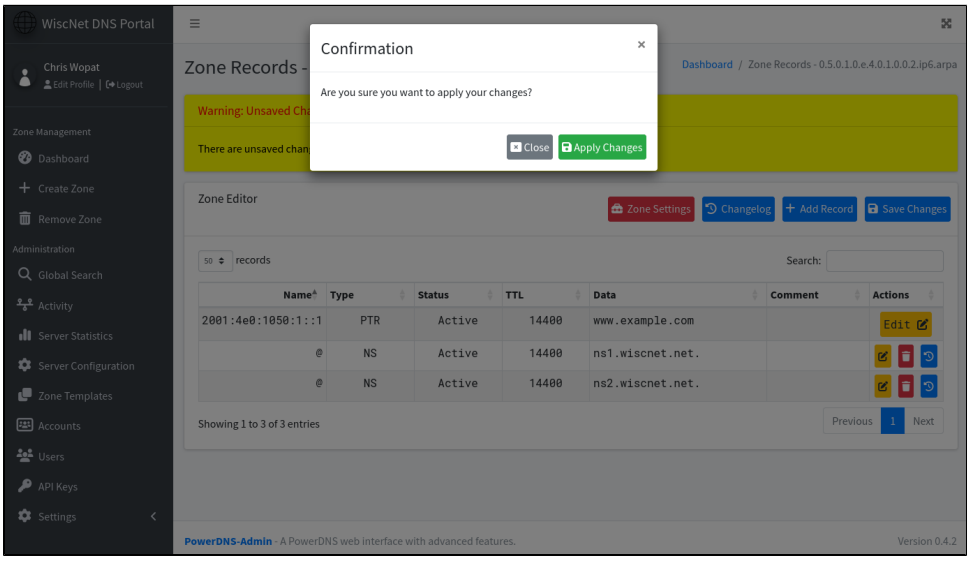
You will get a warning at the top

Make further additions or changes if desired



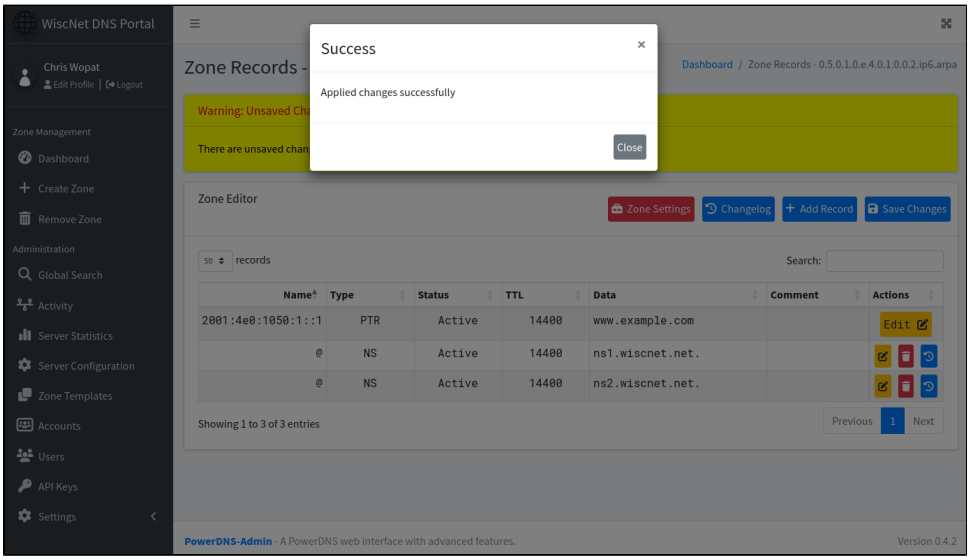
Press
SAVE CHANGES
under the yellow warning to apply all changes you've made

Confirm changes by pressing
APPLY CHANGES



Success!

The page will auto refresh



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