

Secondary DNS Setup - Using GoDaddy Premium DNS as Primary DNS & CloudfloorDNS as Secondary

It's easy to add reliability to your DNS by using CloudfloorDNS as a backup DNS provider to your GoDaddy Premium DNS. Follow this tech doc on how to enable Secondary DNS at GoDaddy and start using CloudfloorDNS as a backup to GoDaddy DNS

PREREQUISITE - BEFORE YOU BEGIN: You must have a GoDaddy Premium DNS account to enable secondary DNS

Add Premium DNS to your GoDaddy Account if it's not enabled

GoDaddy only offers Secondary DNS options if you are a GoDaddy premium DNS customer. If you do not already have GoDaddy Premium DNS, please upgrade your account and continue with the next step.

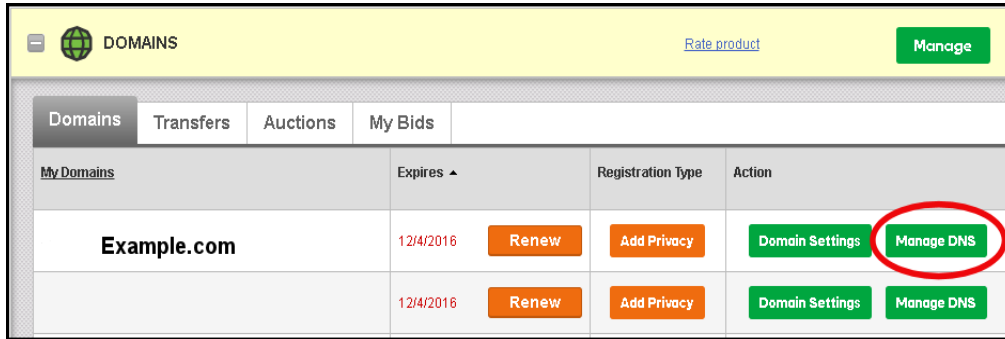
Enable Secondary DNS at GoDaddy

In order to enable Secondary DNS on a domain name at GoDaddy, you **MUST** be using the default GoDaddy name servers with your domain. If you are using EXTERNAL name servers (also known as custom name servers) you must **RESET** them back to GoDaddy name servers (Default option) for Secondary DNS to become an option on the selected domain name.

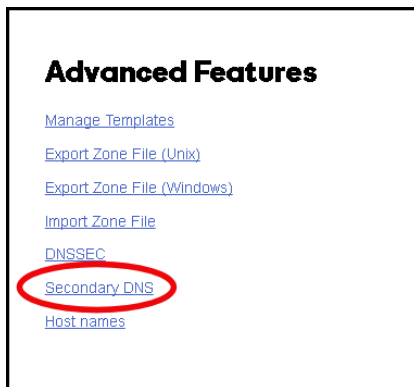
1. To enable Secondary DNS, Login to GoDaddy, and then on your product list next to Domains, click the Text Icon (Plus sign button) to expand the domain list



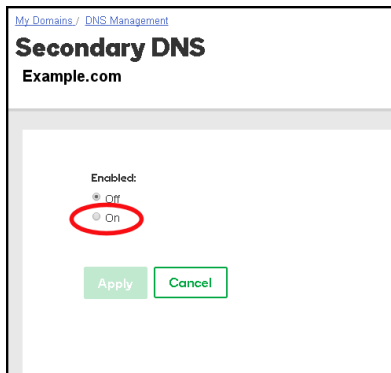
2. Click on the MANAGE DNS on the domain name you want to setup Secondary DNS on as shown below



3. Scroll down and select Secondary DNS. If you don't see this you may not have enabled Premium DNS enabled.



4. You'll then see an option to turn on Secondary DNS. Click ON as shown below



5. Once Secondary DNS is enabled, you'll see the Master and Slave option. Select MASTER since we want GoDaddy as the master or primary DNS, and CloudfloorDNS will be the secondary or slave servers. You'll then see the IP Address option and ADD in the bottom right. Click ADD and go to the next step

Enabled:
 Off
 On

Configure zone as:
Master

Designate slaves:

IPv4 Address Range	TSIG Key Type	TSIG Key Name	TSIG Value
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ADD

Apply Cancel

6. You'll be presented with the screen below. We need to add in 2 IP Addresses here. This allows the CloudfloorDNS Secondary DNS servers to perform zone transfers from GoDaddy. You'll then see the screen below. We want to enter in the IP's of these four servers below. The Start and End IP address should be the same. Enter in each IP below, TSIG should be set to NONE and select UPDATE after each IP. The IP's are: **52.29.5.212 , 109.73.72.164**

Designate slaves:

IPv4 Address Range	TSIG Key Type	TSIG Key Name	TSIG Value
Start IP Address *			
End IP Address *			
TSIG Type *	None		
TSIG Name			
TSIG Value			

Update Cancel

CloudfloorDNS EU
Kingsbury House
6 Sheet Street
Windsor, UK SL4 1BG
UK - +44 (0)1481 720924

CloudfloorDNS US East
25 Corporate Drive
4th Floor, Burlington MA
01803 USA
+1.781.373.5823

CloudfloorDNS US West
155 North Lake Avenue
Suite 900, Pasadena, CA
91101 USA
+1.781.373.5823

7. Once you've added in all the IP's you'll see them similar to the screenshot show below

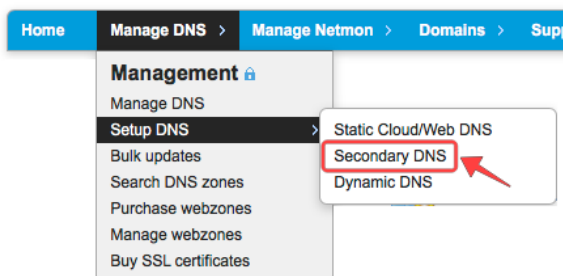
The screenshot shows a configuration page for a DNS zone. At the top, there is an 'Enabled' section with radio buttons for 'Off' and 'On', where 'On' is selected. Below this is a 'Configure zone as:' dropdown menu set to 'Master'. The 'Designate slaves:' section contains a table with four columns: 'IPv4 Address Range', 'TSIG Key Type', 'TSIG Key Name', and 'TSIG Value'. Three rows are listed, each with a 'none' value for the TSIG Key Type and a pencil icon for editing. At the bottom right of the table is a green 'ADD' button. At the bottom left are 'Apply' and 'Cancel' buttons.

IPv4 Address Range	TSIG Key Type	TSIG Key Name	TSIG Value
52.29.5.212 to 52.29.5.212	none		
109.73.72.163 to 109.73.72.164	none		
93.189.165.200 to 93.189.165.200	none		

That's it on the GoDaddy side for now, we'll come back to GoDaddy in the last few steps to add CloudfloorDNS to the delegation. Now we need to login to our CloudfloorDNS account at <https://Panel.CloudfloorDNS.com>

Add Secondary DNS on your CloudfloorDNS account

1. Login to CloudfloorDNS and select MANAGE DNS, SETUP DNS, SECONDARY DNS as shown in the screenshot below:



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01803 USA
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- You now add your Domain name(s) that you'll be using to setup Secondary DNS. Add them to the list as shown below. Enter domains one per line, or a single domain. You also need to enter the IP Address from GoDaddy where you'll be pulling zone information from. GoDaddy has two servers for AXFR transfers, they are: xfr03.domaincontrol.com (72.167.238.111) & xfr04.domaincontrol.com (72.167.238.110)

To be sure you have the latest AXFR server IP's from GoDaddy, see this article:

<https://www.godaddy.com/help/enable-secondary-dns-with-godaddy-nameservers-as-masters-23910>

Enter in either one of the IP's where it asks for **PRIMARY DNS SERVER** as shown below. We used 72.167.238.111 and then clicked continue.

Home Manage DNS > Manage Netmon > Domains > Support > My account >

Setup Secondary DNS

List the domains to configure as secondary zones and attempt to import the dns for, **one on each line**

example.com
example.net
example.org
example.co.uk

DO NOT INCLUDE the '.www.'

Overwrite existing zone with same name

IP address of the primary dns server
X.X.X.X

Terms and Conditions

I AGREE

By checking the above box, you are agreeing to purchase the above described service. You also must have read and understood the above terms and conditions that apply to this order

You must agree to the terms and conditions above by clicking on the before you can continue.

Continue »

- You've now added the secondary zone and it's ready to be replicated. Replication will take place immediately and every time you make a change at GoDaddy, it will send a NOTIFY and the Secondary DNS will be updated automatically
- The last step in the process is to add CloudfloorDNS Anycast Name Servers into your public delegation for your domain. Login to GoDaddy, and then on your product list next to Domains, click the Text Icon (Plus sign button) to expand the domain list

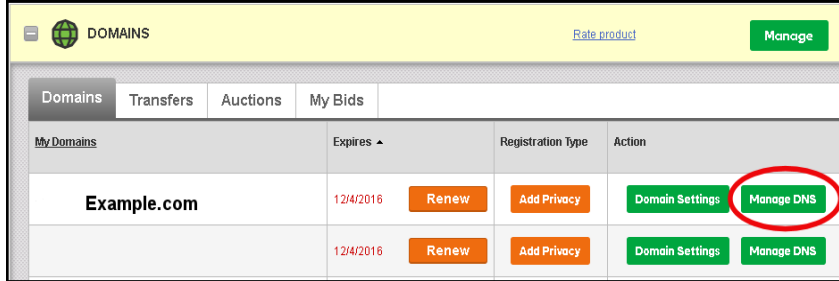


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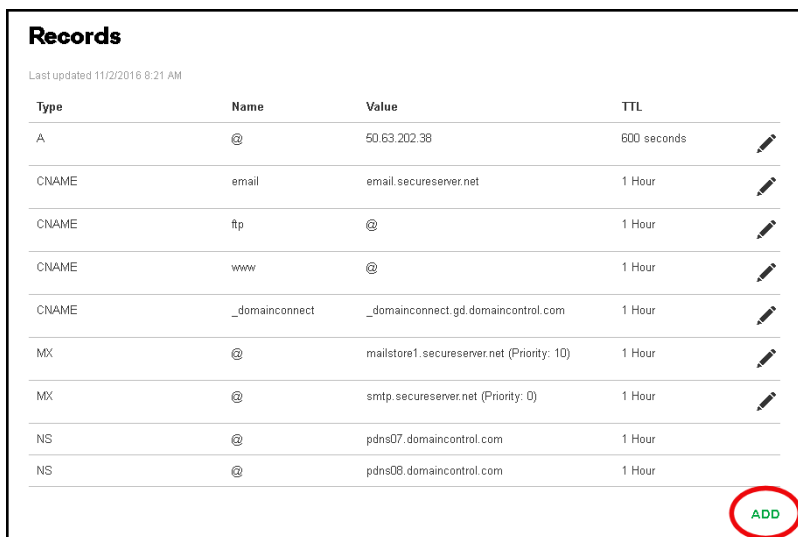
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- Click on the MANAGE DNS on the domain name you setup for Secondary DNS earlier



- You'll now see the DNS records for the domain name similar to the screenshot shown below. We want to Add some Name Server records so the secondary DNS starts working at CloudfloorDNS



- Click the Add button in the lower right corner and we want to add in each of the following name servers. This means we will have to do this four times. Please note your name servers may be different since CloudfloorDNS uses DNS pools for optimum performance.

ns1.g02.cfdns.net
ns2.g02.cfdns.biz
ns3.g02.cfdns.info
ns4.g02.cfdns.co.uk

- Enter in each server listed above as shown in the screenshot below. Set the Type to NAMESERVER, host should be the @ symbol, and enter the name server name and click the SAVE button. Do this once for each nameserver.

The screenshot shows a form with the following fields and values:

- Type ***: Nameserver
- Host ***: @
- Point to ***: ns1.g02.cfdns.net
- TTL ***: 1 Hour
- Buttons**: Save (green), Cancel (white with green border)

9. You should now see the name servers you added look similar to the screenshot below. Keep in mind your name server assignments may be different from the example below. Double check your entries and make any necessary changes. You should login to CloudFloorDNS once more and perform a manual zone update as described in earlier steps. This will ensure the data is replicated across properly.

NS	@	ns1.g02.cfdns.net	1 Hour	
NS	@	ns2.g02.cfdns.biz	1 Hour	
NS	@	ns3.g02.cfdns.info	1 Hour	
NS	@	ns4.g02.cfdns.co.uk	1 Hour	
				ADD

That's it! You can now edit/update DNS at your Primary as you always have done and CloudFloorDNS will Sync automatically

CloudFloorDNS will now participate in the answering process along with GoDaddy. Should there ever be an issue with GoDaddy and a DNS outage occurs, CloudFloorDNS will continue to answer. If your DNS provider offers DNS stats, you will see DNS queries drop at your Primary DNS provider and CloudFloorDNS will start to balance out the DNS Queries, taking approximately half of the DNS responses. You can check your stats and replication status under the Domain Management panel at any time.