

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.

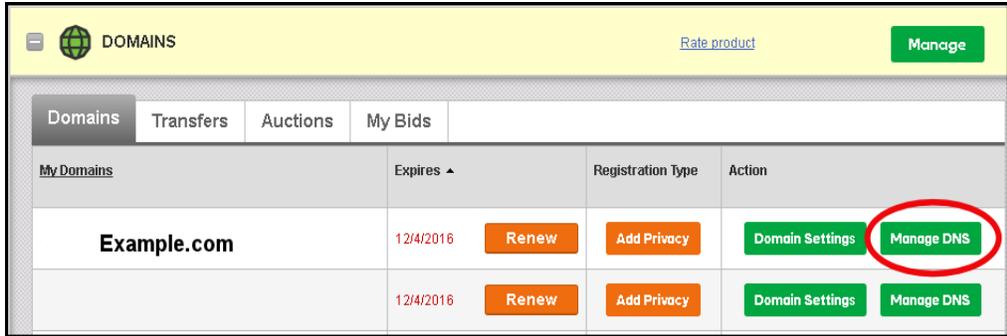
Enable Secondary DNS at GoDaddy

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.

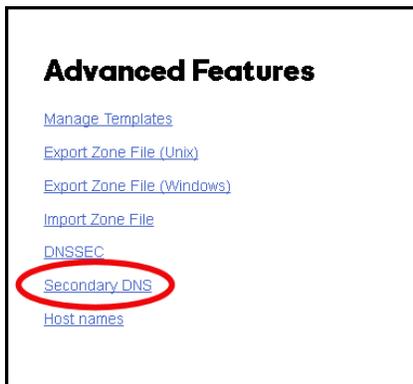
1. To enable Secondary DNS, Login to GoDaddy, and then on your product list next to Domains, click the Text Icon (Plus sign button) to expand the domain list



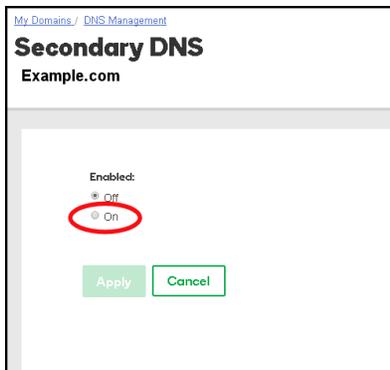
2. Click on the MANAGE DNS on the domain name you want to setup Secondary DNS on as shown below



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

ADD

Apply Cancel

6. You'll be presented with the screen below. We need to add in 4 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 , 93.189.165.200 , 109.73.72.163 , 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

- Once you've added in all the IP's you'll see them listed below. Double check your entries to make sure they look exactly as below.

Enabled:
 Off
 On

Configure zone as:
Master

Designate slaves:

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		

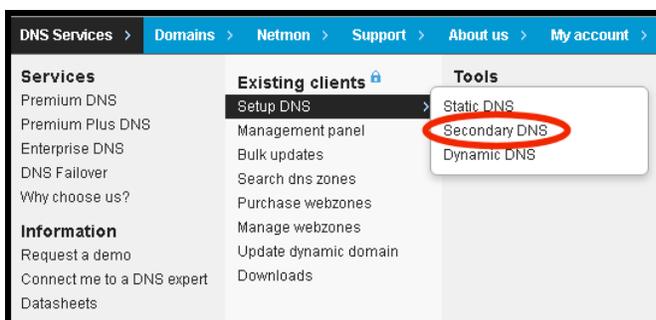
ADD

Apply Cancel

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

- Login to CloudfloorDNS and select DNS SERVICES, SETUP DNS, SECONDARY DNS as shown in the screenshot below:



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

- You now add your Domain name 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.

Setup Secondary DNS

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

Example

- Example.Com
- Example.Net
- Example.Info
- Example.Org
- Example.Biz
- Example.Co.Uk

DO NOT INCLUDE the 'www.'

Example

- domain1.com
- domain2.com
- domain3.net

Overwrite existing zones with same name

IP address of the primary dns server

XXX.XXX.XXX.XXX

Your primary DNS server should be configured to accept zone transfers from us BEFORE you continue - You can test AXFR via our dns lookup utilities [here](#). IP addresses that will make requests are 52.29.5.212, 109.73.72.164, 109.73.72.163 and 93.189.165.200. If you are restricting access for zone transfers, you need to ensure at least these 3 IP's can request zone transfers.

Your secondary DNS zone will be created on our DNS servers if it does not already exist. If we already host your domain, then the secondary dns functions will be enabled for it and the zone imported.

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 every 60 minutes. If you wish to propagate these changes sooner, you can pull the changes manually using an API call or the management interface. Login to the CloudflareDNS platform and click on the domain name you are forcing zone replication on. Now that you are on the domain details page, look in the far upper right corner for the "quick links" area – Click on the Secondary DNS "S" icon as shown circled in the screenshot below:



CloudflareDNS EU
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6 Sheet Street
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UK - +44 (0)1481 720924

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01803 USA
+1.781.373.5823

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

4. Now you'll be in the Secondary DNS options for your domain. You'll see the zone data below and the status on the last zone transfer. To force an immediate XFR of the zone records, click the ZONE TRANSFER button as shown circled in the screenshot shown below. You can also force a zone replication using the API. Please contact your account manager about using the API for secondary replication.

The last zone file that was retrieved from the master server **216.69.185.53** is shown below.

The last successful transfer was received at 2016-10-28 16:30:36 GMT

zone transfer from 216.69.185.53 OK Fri, 28 Oct 16 16:30:38 +0000

```
;; Zone: Example.org. (#665142)
;; Fri Oct 28 16:34:08 2016

@ IN SOA ns1.goc.cf dns.net. hostmaster.example.org. (
2015030502 ; Serial
3600 ; Refresh
1200 ; Retry
1209600 ; Expire
3600 ) ; Minimum

86400 IN NS ns1.goc.cf dns.net.
86400 IN NS ns1.goc.cf dns.biz.
86400 IN NS ns1.goc.cf dns.info.
86400 IN NS ns1.goc.cf dns.co.uk.
86400 IN TXT "v=spf1 mx: -all"
```

Not seeing what you expected? If you expected to see a different zone file here, please check to see that your dns server is allowing zone transfers from us. IP addresses that will make requests are 52.29.0.211, 52.29.5.212, 109.73.72.163 and 109.73.72.164. If you are restricting access for zone transfers, you need to ensure at least these 3 IP's can retrieve your zone data. Please also remember to allow access to tcp port 53 via any firewall. There is an open port utility on our [support utilities page](#) that may help you to check your firewall ports are open.

Force immediate zone transfer request

zone transfer To force an immediate zone transfer request from our servers to yours, click the 'zone transfer' button to the left (note: this will be immediately requested by may take several minutes if the remote server does not respond as it waits for a response from the master server)

Update master server IP address / host name

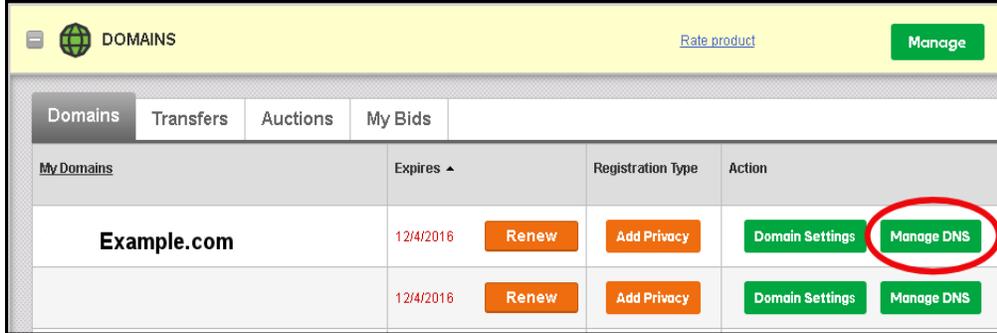
Host

Updating the IP will also request an immediate transfer
The original zone, if any, will remain until overwritten by a successful zone transfer

5. 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



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



7. 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



8. 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.g762.cfdns.net
ns2.g762.cfdns.biz
ns3.g762.cfdns.info
ns4.g762.cfdns.co.uk

CloudfloorDNS EU
Kingsbury House
6 Sheet Street
Windsor, UK SL4 1BG
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91101 USA
+1.781.373.5823

9. 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: @
- Points to: ns1.g02.cfdns.net
- TTL: 1 Hour

Buttons: Save, Cancel

10. 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! CloudfloorDNS will now backup your DNS if there is ever an issue at GoDaddy DNS. Secondary DNS will now start answering DNS queries along with your primary DNS. 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.