

How to redirect a URL in Nginx

Asked 13 years, 5 months ago Modified 20 days ago Viewed 377k times



I need to redirect every <http://test.com> request to <http://www.test.com>. How can this be done.

168

In the server block I tried adding



```
rewrite ^/(.*) http://www.test.com/$1 permanent;
```



but in browser it says



The page isn't redirecting properly

Firefox has detected that the server is redirecting the request for this address in a way that will never complete.

My server block looks like

```
server {
    listen      80;
    server_name test.com;
    client_max_body_size 10M;
    client_body_buffer_size 128k;

    root        /home/test/test/public;
    passenger_enabled on;
    rails_env production;

    #rewrite ^/(.*) http://www.test.com/$1 permanent;
    #rewrite ^(.*)$ $scheme://www.test.com$1;

    error_page 500 502 503 504 /50x.html;
    location = /50x.html {
        root html;
    }
}
```

http-redirect

nginx

url-rewriting

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edited Apr 2, 2021 at 8:37



Syscall

19.8k ● 10 ● 44 ● 60

asked Apr 24, 2012 at 8:39



Amal Kumar S

16.1k ● 19 ● 59 ● 89

The official documentation is at: nginx.org/en/docs/http/creating_rewrite_rules.html – Marcello Nuccio
May 16, 2017 at 23:51

5 Answers

Sorted by: Highest score (default) 

Best way to do what you want is to add another server block:

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```
server {
    #implemented by default, change if you need different ip or port
    #listen *:80 | *:8000;
    server_name test.com;
    return 301 $scheme://www.test.com$request_uri;
}
```



And edit your main server block `server_name` variable as following:



```
server_name www.test.com;
```

Important: New `server` block is the right way to do this, [if is evil](#). You must use locations and servers instead of `if` if it's possible. `Rewrite` is sometimes [evil too](#), so replaced it with `return`.

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edited Feb 18, 2017 at 2:21

answered Apr 24, 2012 at 18:29



[coffeemakr](#)
328 ● 2 ● 12



[Dmitry Verhoturov](#)
6,100 ● 2 ● 37 ● 42

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6 Comments 

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[RCCola](#) Over a year ago 

You could also end that server block with `return 301 http://www.test.com$request_uri;` instead of the rewrite.

 21

 Reply



[JCotton](#) Over a year ago

ditto @RCCola on using `return` instead of `rewrite`. See [docs](#)

 6

 Reply



[jhnferraris](#) Over a year ago 

Question, how should the server blocks be ordered? the `redirect` then the `main server` block or `main server` block then the `redirect`? Because I have the same problem, [stackoverflow.com/questions/35451929/...](http://stackoverflow.com/questions/35451929/)

 [Dmitry Verhoturov](#) Over a year ago

▲ 0 [Reply](#) [...](#)

Nginx config in mentioned question is correct, order does not matter.

▲ 0 [Reply](#) [...](#)

 [Nick M](#) Over a year ago [✎](#)

Just a quick warning: Watch out for the `301` redirect vs the `302`. You could be stuck with a cached permanent redirect, which makes it very troublesome to change your settings for clients that have already accessed a URL. (I know the OP asked for a `301`, but be sure that's really what you want.)

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|



This is the top hit on Google for "nginx redirect". If you got here just wanting to redirect a single location:

30



```
location = /content/unique-page-name {
    return 301 /new-name/unique-page-name;
}
```



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answered Feb 26, 2020 at 18:12



[Seph Reed](#)

11.4k ● 15 ● 89 ● 157

1 Comment [▼](#)

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 [Tofandel](#) Aug 26 at 4:14

The '=' is not strictly necessary and you can of course edit 301 to 302 for a non permanent redirect

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Similar to another answer here, but change the http in the rewrite to to \$scheme like so:

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```
server {
    listen 80;
    server_name test.com;
    rewrite      ^ $scheme://www.test.com$request_uri? permanent;
}
```



And edit your main server block server_name variable as following:

```
server_name www.test.com;
```

I had to do this to redirect www.test.com to test.com.

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answered Jul 26, 2013 at 18:17



[Damien Justin Šutevski](#)

395 ● 5 ● 13

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First make sure you have installed Nginx with the HTTP rewrite module. To install this we need to have pcre-library

9

[How to install pcre library](#)



If the above mentioned are done or if you already have them, then just add the below code in your nginx server block



```
if ($host !~* ^www\. ) {
    rewrite ^(.*)$ http://www.$host$1 permanent;
}
```

To remove www from every request you can use

```
if ($host = 'www.your_domain.com' ) {
    rewrite ^/(.*)$ http://your_domain.com/$1 permanent;
}
```

so your server block will look like

```
server {
    listen      80;
    server_name test.com;
    if ($host !~* ^www\. ) {
        rewrite ^(.*)$ http://www.$host$1 permanent;
    }
    client_max_body_size 10M;
    client_body_buffer_size 128k;

    root        /home/test/test/public;
    passenger_enabled on;
    rails_env production;

    error_page 500 502 503 504 /50x.html;
    location = /50x.html {
        root    html;
    }
}
```

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edited Apr 24, 2012 at 10:20

answered Apr 24, 2012 at 9:57



Amal Kumar S

16.1k ● 19 ● 59 ● 89

Comments

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This method works for me.

0

```
return $scheme://$server_name/your_reqeust_uri_name.html;
```



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edited Jan 31 at 2:00

answered Dec 1, 2024 at 10:00



CPlus

5,085 ● 48 ● 33 ● 76



Mark Alvin

107 ● 9



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