

Nginx reverse proxy : Redirect all http requests to https

Asked 7 years, 7 months ago Modified 7 years, 6 months ago Viewed 24k times



I have a reverse proxy with Nginx running on port 5000 and I want to redirect all the requests coming to port 5000 as a https request.

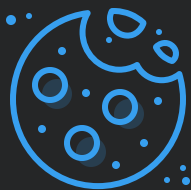
1



Right now I am getting the error : 400 Bad Request The plain HTTP request was sent to HTTPS port



```
server {  
    listen 5000 ssl;  
    server_name myserver.com;  
  
    location / {  
        proxy_pass http://127.0.0.1:8080;  
        proxy_set_header X-Real-IP $remote_addr;  
        proxy_set_header X-Forwarded-For  
        \ $proxy_add_x_forwarded_for;  
        proxy_set_header X-Forwarded-Proto $scheme;  
        proxy_set_header X-Forwarded-Server $host;  
        proxy_set_header X-Forwarded-Host $host;  
        proxy_set_header Host $host:5000;  
  
        add_header 'Access-Control-Allow-Methods' 'GET, POST';  
        add_header 'Access-Control-Allow-Headers' 'Authorization, Content-  
Type';  
  
        add_header 'Access-Control-Allow-Credentials' 'true';  
  
        # here comes the basic auth, after the options part  
        auth_basic 'Restricted';  
        auth_basic_user_file path/to/.htpasswd;
```



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edited Sep 13, 2017 at 14:13

asked Sep 13, 2017 at 12:58



InfamousCoder

71 ● 1 ● 1 ● 11

Possible duplicate of [nginx redirect HTTPS to HTTP](#) – lifeisfoo Sep 13, 2017 at 13:00

3 Answers

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6



Assuming http traffic comes via port 80, you may redirect to https by adding an extra server block listening to this port:

```
server {
    listen 80;
    server_name myserver.com;

    location / {
        return 301 https://myserver.com$request_uri;
    }
}
```

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answered Sep 13, 2017 at 14:39



Mehdi

7,423 ● 1 ● 35 ● 47



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https://" to the front of the domain name
" request.

answered Sep 13, 2017 at 14:26



Rama Schneider

64 ● 4

refreshes and 'https://' gets removed and i land
13, 2017 at 14:36

atic redirect to the ssl url. – Rama Schneider

Sep 19, 2017 at 11:30

That's where I have mine, but it should work inside the server block and outside the location block. The location block will allow you to set it per individual call. – [Rama Schneider](#) Sep 21, 2017 at 11:49



0



Well, using `error_page` seems to do the trick for me.

```
server {  
    listen 5000 ssl;  
    server_name myserver.com;  
    error_page 497 https://$host:5000$request_uri;  
    ..  
    ..  
}
```

To know more about the 497 check the "Error Processing" section in http://nginx.org/en/docs/http/nginx_http_ssl_module.html

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answered Sep 22, 2017 at 12:48



[InfamousCoder](#)

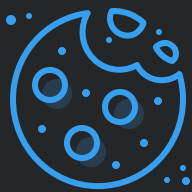
71 ● 1 ● 1 ● 11

Direct link of "Error Processing" on nginx.org/en/docs/http/nginx_http_ssl_module.html#errors – [A.A](#) Dec 3, 2022 at 17:07

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