

nginx: serving static files of different reverse proxy applications

Asked 6 years, 9 months ago Modified 6 years, 9 months ago Viewed 7k times



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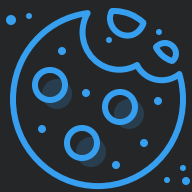
I'm using nginx to create reverse proxy for two different applications, one hosted on the server where nginx is hosted at port 8011, and the other hosted on a different server with port number 8015. Using reverse proxy, the first application can be accessed on `ROOT:80/` while the second application can be accessed at `ROOT:80/blog`.

Now, the static files of both the applications are inside their respective `static` folders which are located in two different paths (static path of first application hosted on the same server as nginx: `PATH_ONE/static` and static path of the second application: `PATH_TWO/static`). Now, the application hosted under `ROOT:80/` picks up its static files correctly from the configuration used below. However, I'm not able to figure out how to go about configuring the same for the second application.-

How do I ensure that both applications hosted on different URLs using nginx use their respective static files?

nginx configuration:

```
upstream test_hosts {  
    least_conn;  
    server IP_ADDR_ONE:8011;  
    server IP_ADDR_TWO:8011;  
}
```



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```
cm1)$ {
```

nginx

webserver

reverse-proxy

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asked Jun 28, 2018 at 10:51

[Manas Chaturvedi](#)

5,570 ● 20 ● 54 ● 108

Give example of complete path1 and path2 for now, to suggest a solution – [Tarun Lalwani](#) Jun 28, 2018 at 11:09

@TarunLalwani path1 = 192.xxx.xxx.121; path2 = 192.xxx.xxx.149 – [Manas Chaturvedi](#) Jun 28, 2018 at 11:14

why would path be an IP? I meant about `root /PATH_ONE;` – [Tarun Lalwani](#) Jun 28, 2018 at 11:16

@TarunLalwani My bad. `PATH_ONE` would be the absolute path to the static folder on the respective servers, for example: `/home/blog/server/`. The `static` folder would be inside the respective paths of the two servers. – [Manas Chaturvedi](#) Jun 28, 2018 at 11:49

1 Answer

Sorted by: Highest score (default)



There are multiple ways to solve this. Depending how you are use case works. If you can `blog` on the `/blog` url itself then it can be the easiest thing to do

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```
location /blog {
    proxy_pass http://IP_ADDR_TWO:8015;
}
```



```
location /blog/static {
    alias /var/www/static-path;
}
```



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Now where you have common root folder of

```
$ {
```

```
uri = 404;
```

return the same if not will check on the

the paths then it could create error and

serve wrong files.

In case you don't have static files on the same server from both apps then you can try something like below

```
#browser caching of static assets
location ~* \.(jpg|jpeg|png|gif|ico|css|js|html)$ {
    expires 7d;
    root /home;
    try_files /app/server/$uri = @try_blogs;
}

location @try_blogs {
    proxy_pass http://IP_ADDR_TWO:8015$uri;
}
```

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edited Jun 28, 2018 at 12:29

answered Jun 28, 2018 at 11:56



Tarun Lalwani

147k ● 11 ● 213 ● 276

The `<App2 static path>` path should be on the same server where nginx is hosted, or could it be located on a different server where my second application runs from? – [Manas Chaturvedi](#) Jun 28, 2018 at 12:22

It has to be on same server else you need to try another alternative I am adding to the answer – [Tarun Lalwani](#) Jun 28, 2018 at 12:27

What would `$uri` represent in your example? The absolute path of the static folder of my second application that is hosted on a separate server? – [Manas Chaturvedi](#) Jun 28, 2018 at 12:58

I have a form hosted on the `/blog` path, which sends a POST request to `/login` url on the second application's server. However, after the POST request is sent, I get a 404 error on the `IP_ADDR_ONE/login` path. – [Manas Chaturvedi](#) Jun 28, 2018 at 13:15

`try_files /app/server/$uri = @try_blogs;` I think this fallback more sense and it worked for me. Thank you.



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