

状态:	已关闭	开始日期:	2016-08-19
优先级:	普通	计划完成日期:	
指派给:	Viman	% 完成:	100%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
描述			
1. 原理: nginx_porxy 反向代理, 请海外ip请求返回到大陆真实服务器上			

历史记录

#1 - 2016-08-19 10:38 - Viman

- 状态 从 新建 变更为 进行中

1. 环境说明: 大陆一台为真实服务器 , 存放真实数据 ; 香港服务器安装nginx做代理转发
2. DNS解析方面: 同一个域名做2条A记录
3. 香港服务器配置(基于https) :

```
http段 :

http {
    include    mime.types;
    default_type  application/octet-stream;

    log_format main '$remote_addr - $remote_user [$time_local] "$request" '
        '$status $body_bytes_sent "$http_referer" '
        '"$http_user_agent" "$http_x_forwarded_for" - "$http_x_access_token"';

    access_log /var/log/nginx/logs/access.log main;

    sendfile    on;
    charset     utf-8;
    server_tokens off;
    tcp_nopush  on;
    tcp_nodelay on;
    #tcp_nopush on;

    #keepalive_timeout 0;
    keepalive_timeout 65;

    gzip on;
    gzip_min_length 1k;
    gzip_buffers    4 16k;
    gzip_http_version 1.0;
    gzip_comp_level 2;
    gzip_types      text/plain application/x-javascript text/css application/xml;
    gzip_vary on;
```

```

#proxy config
large_client_header_buffers 4 16k;
client_max_body_size 300m;
client_body_buffer_size 128k;
proxy_connect_timeout 600;
proxy_read_timeout 600;
proxy_send_timeout 600;
proxy_buffer_size 64k;
proxy_buffers 4 32k;
proxy_busy_buffers_size 64k;
proxy_temp_file_write_size 64k;

#gzip on;

include /usr/local/nginx-1.8.1/conf/vhost/*.conf;

}

server 段：

server
{
    listen 80;

    server_name a.com;

    location / {
        proxy_redirect off;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_pass a.com;
    }

    access_log /var/log/nginx/a_access.log;
}

server {
    ### server port and name ###

    listen 443 ssl;

    server_name a.com;

    ssl on;
    underscores_in_headers on;

    ### SSL log files ###

    access_log /var/log/nginx/ssl_access.log main;

```

```

#error_log    logs/ssl-error.log;

### SSL cert files ###
ssl_certificate    ssl/gd_bundle-g2-g1.crt;
ssl_certificate_key ssl/new.key;
### Add SSL specific settings here ###
keepalive_timeout 60;

### Limiting Ciphers #####
# Uncomment as per your setup
#ssl_ciphers HIGH:!ADH;
#ssl_prefer_server_ciphers on;
#ssl_protocols SSLv3;
#####
### We want full access to SSL via backend ###

location / {

    proxy_pass https://a.com;

    ### force timeouts if one of backend is died ##
    proxy_next_upstream error timeout invalid_header http_500 http_502 http_503;

    ### Set headers ####
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    #proxy_set_header x-access_token $http_x_access_token;
    #proxy_set_header x-from $http_x_from;

    ### Most PHP, Python, Rails, Java App can use this header ###
    #proxy_set_header X-Forwarded-Proto https;
    proxy_pass_request_headers on;
    #proxy_connect_timeout 60;
    #proxy_read_timeout 150;
    ### By default we don't want to redirect it ####
    proxy_redirect off;
}
}

```

4. iptables 配置：

```

-A INPUT -m state --state NEW -m tcp -p tcp --dport 80 -j ACCEPT

-A INPUT -m state --state NEW -m tcp -p tcp --dport 443 -j ACCEPT

```

5. vi /etc/hosts (一定要配哦，要是行成死循环那就不怪我)

```
112.10.10.10 a.com
```

1. 普通http配置

```
server
{
    listen 80;

    server_name bbs.imay.com;

    location / {
        proxy_redirect off;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_pass http://bbs.imay.com;
    }

    access_log /home/nginx/logs/bbs_imay_access.log;
}
```

2. 访问测试

1. 大陆

```
[root@localhost ~]# curl -v http://bbs.imay.com/bbs.html
* About to connect() to bbs.imay.com port 80 (#0)
* Trying 120.76.207.220... connected
* Connected to bbs.imay.com (120.76.207.220) port 80 (#0)
> GET /bbs.html HTTP/1.1
> User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.21 Basic ECC zlib/1.2.3 libidn/1.18 libssh2/1.4.2
> Host: bbs.imay.com
> Accept: */*
>
< HTTP/1.1 200 OK
< Server: nginx/1.10.1
< Date: Fri, 19 Aug 2016 06:22:21 GMT
< Content-Type: text/html; charset=utf-8
< Content-Length: 16
< Last-Modified: Fri, 19 Aug 2016 06:13:59 GMT
< Connection: keep-alive
< ETag: "57b6a3a7-10"
< Accept-Ranges: bytes
<
My Imay bbs CN

* Connection #0 to host bbs.imay.com left intact
* Closing connection #0
[root@localhost ~]#
[root@localhost ~]# nslookup bbs.imay.com
Server: 192.168.0.1
Address: 192.168.0.1#53
```

Name: bbs.imay.com
Address: 120.76.207.220

2. HK的机器访问（用另外的，不能用hk跳板机的了,因为写死了Host）

```
curl -v http://bbs.imay.com/bbs.html
* About to connect() to bbs.imay.com port 80 (#0)
* Trying 43.254.217.240... connected
* Connected to bbs.imay.com (43.254.217.240) port 80 (#0)
> GET /bbs.html HTTP/1.1
> User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.19.1 Basic ECC zlib/1.2.3 libidn/1.18 libssh2/1.4.2
> Host: bbs.imay.com
> Accept: */*
>
< HTTP/1.1 200 OK
< Server: nginx
< Date: Fri, 19 Aug 2016 06:29:22 GMT
< Content-Type: text/html; charset=utf-8
< Content-Length: 16
< Connection: keep-alive
< Last-Modified: Fri, 19 Aug 2016 06:13:59 GMT
< ETag: "57b6a3a7-10"
< Accept-Ranges: bytes
<
My Imay bbs CN

* Connection #0 to host bbs.imay.com left intact
* Closing connection #0
```

#3 - 2016-08-19 14:38 - Viman

- 状态从进行中变更为已解决

- %完成从0变更为100

1. 测试ok

#4 - 2016-10-19 09:53 - Viman

- 状态从已解决变更为已关闭