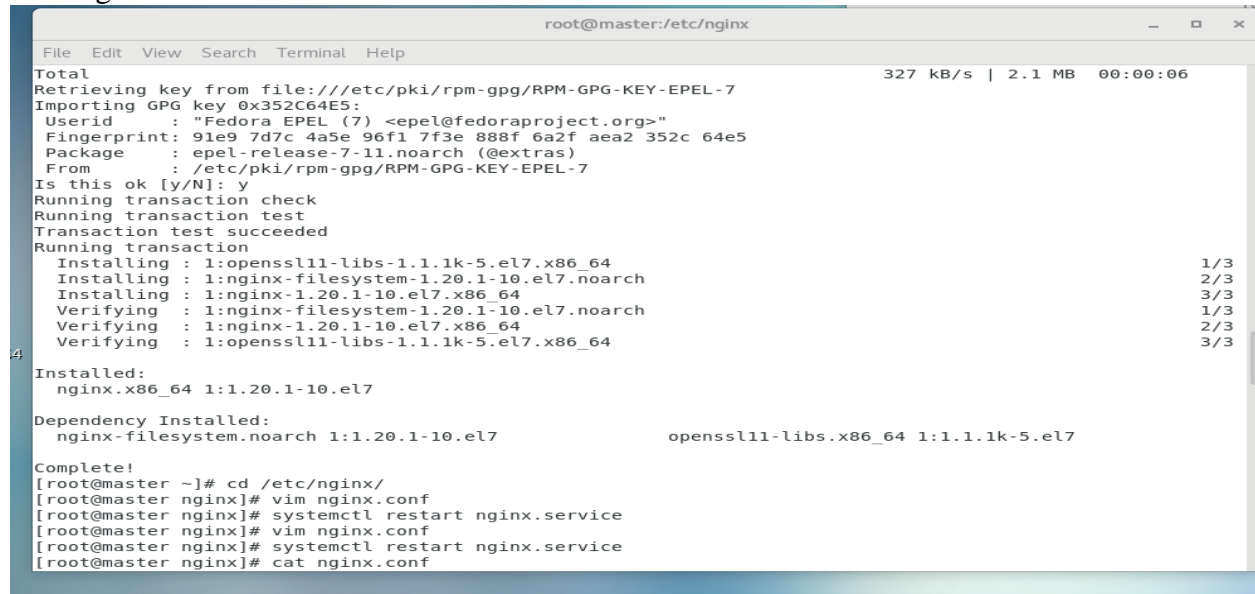


Q4)....

In NGINX:-

```
yum install nginx
systemctl confstart nginx.service
cd /etc/nginx/nginx.conf
vim nginx.conf
```



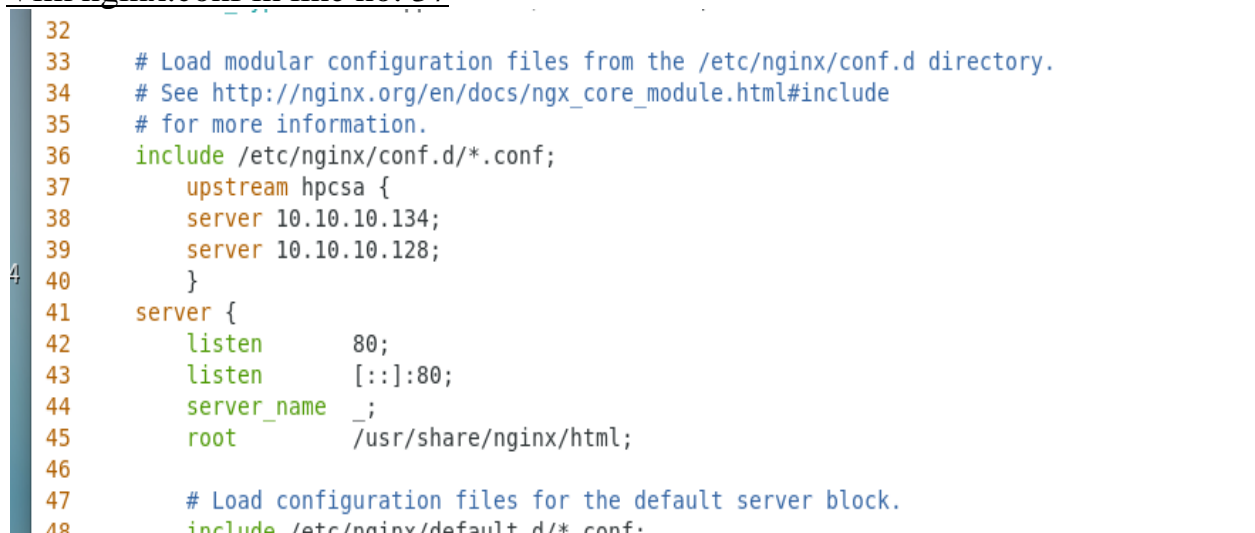
The screenshot shows a terminal window titled 'root@master:/etc/nginx'. It displays the output of a 'yum install nginx' command. The output includes the retrieval of a GPG key, the installation of 'nginx.x86_64 1:1.20.1-10.el7', and its dependencies: 'nginxfilesystem.noarch 1:1.20.1-10.el7' and 'openssl11-libs.x86_64 1:1.1.1k-5.el7'. The installation is marked as 'Complete!'. Below the installation output, several commands are executed: 'cd /etc/nginx/', 'vim nginx.conf', 'systemctl restart nginx.service', 'vim nginx.conf', 'systemctl restart nginx.service', and 'cat nginx.conf'.

```
root@master:/etc/nginx
File Edit View Search Terminal Help
Total 327 kB/s | 2.1 MB 00:00:06
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Importing GPG key 0x352C64E5:
  Userid : "Fedora EPEL (7) <epel@fedoraproject.org>"
  Fingerprint: 91e9 7d7c 4a5e 96f1 7f3e 888f 6a2f aea2 352c 64e5
  Package : epel-release-7-11.noarch (@extras)
  From : /etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL-7
Is this ok [y/N]: y
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : 1:openssl11-libs-1.1.1k-5.el7.x86_64 1/3
  Installing : 1:nginxfilesystem-1.20.1-10.el7.noarch 2/3
  Installing : 1:nginx-1.20.1-10.el7.x86_64 3/3
  Verifying : 1:nginxfilesystem-1.20.1-10.el7.noarch 1/3
  Verifying : 1:nginx-1.20.1-10.el7.x86_64 2/3
  Verifying : 1:openssl11-libs-1.1.1k-5.el7.x86_64 3/3
4 Installed:
  nginx.x86_64 1:1.20.1-10.el7

Dependency Installed:
  nginxfilesystem.noarch 1:1.20.1-10.el7      openssl11-libs.x86_64 1:1.1.1k-5.el7

Complete!
[root@master ~]# cd /etc/nginx/
[root@master nginx]# vim nginx.conf
[root@master nginx]# systemctl restart nginx.service
[root@master nginx]# vim nginx.conf
[root@master nginx]# systemctl restart nginx.service
[root@master nginx]# cat nginx.conf
```

Vim nginx.conf in line no. 37



The screenshot shows a vim editor window displaying the 'nginx.conf' file. The lines shown are 32 through 48. The configuration includes comments about loading modular configuration files, an 'include' statement for '/etc/nginx/conf.d/*.conf;', an 'upstream hpcsa' block with two 'server' entries (10.10.10.134 and 10.10.10.128), a 'server' block with 'listen' and 'server_name' directives, and another 'include' statement for '/etc/nginx/default.d/*.conf;'.

```
32
33 # Load modular configuration files from the /etc/nginx/conf.d directory.
34 # See http://nginx.org/en/docs/nginx_core_module.html#include
35 # for more information.
36 include /etc/nginx/conf.d/*.conf;
37     upstream hpcsa {
38         server 10.10.10.134;
39         server 10.10.10.128;
40     }
41     server {
42         listen      80;
43         listen      [::]:80;
44         server_name _;
45         root        /usr/share/nginx/html;
46
47         # Load configuration files for the default server block.
48         include     /etc/nginx/default.d/*.conf;
```

After config the nginx.conf then restart the nginx service

[root@master nginx]# vim nginx.conf

[root@master nginx]# systemctl restart nginx.service

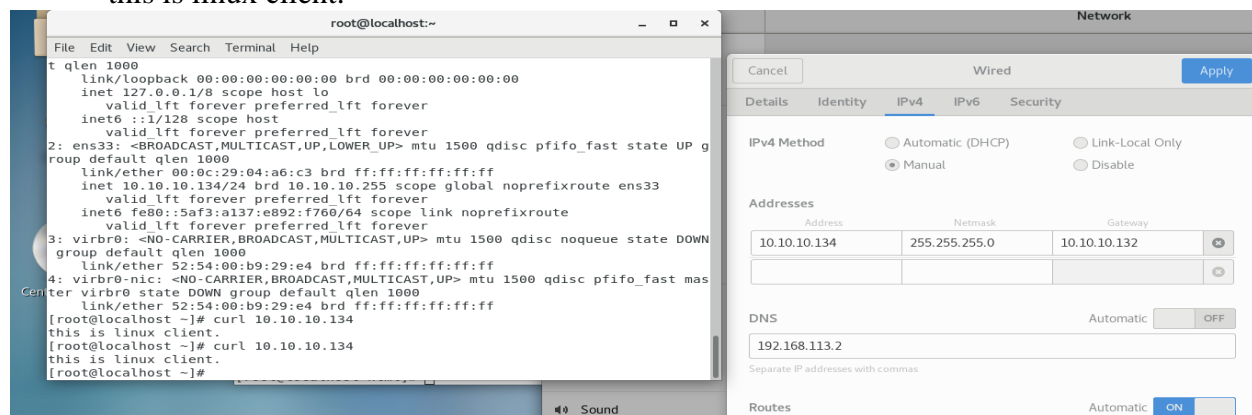
```
[root@master nginx]# vim nginx.conf
[root@master nginx]# systemctl restart nginx.service
```

Then,,,,,,,,,

In client-1 NGINX:-

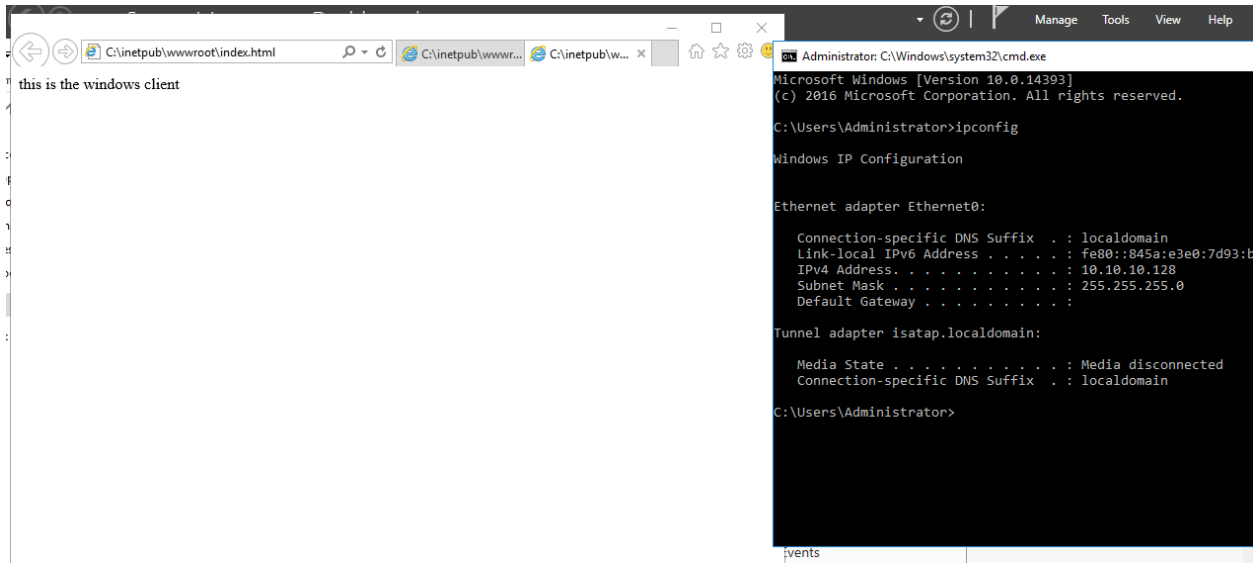
```
yum install httpd
systemctl start httpd
systemctl status httpd
systemctl status firewalld
firewall-cmd --list-all
firewall-cmd --add-port=80/tcp --permanent
cd /var/www/html
vim index.html
```

“this is linux client.”



In window-server-2 NGINX:-

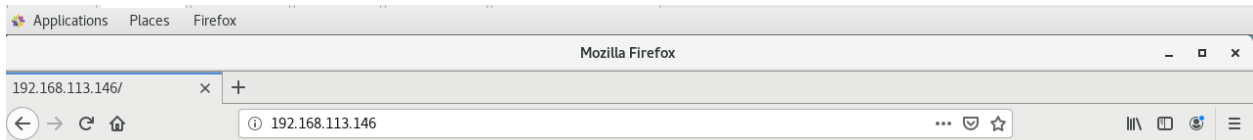
We create the index.html page in windows server → c drive → inetpub → wwwroot → index.html
“this is windows client”



Then search on NAT ip of nginx server(192.168.113.146)



Then referesh it so it see the another window client machine..



this is the windows client

```
root@master:/etc/nginx
File Edit View Search Terminal Help
#
#   server {
#       listen      443 ssl http2;
#       listen      [::]:443 ssl http2;
#       server_name  _;
#       root         /usr/share/nginx/html;
#
#       ssl_certificate "/etc/pki/nginx/server.crt";
#       ssl_certificate_key "/etc/pki/nginx/private/server.key";
#       ssl_session_cache shared:SSL:1m;
#       ssl_session_timeout 10m;
#       ssl_ciphers HIGH:!aNULL:!MD5;
#       ssl_prefer_server_ciphers on;
#
#       # Load configuration files for the default server block.
#       include /etc/nginx/default.d/*.conf;
#
#       error_page 404 /404.html;
#       location = /40x.html {
#       }
#
#       error_page 500 502 503 504 /50x.html;
#       location = /50x.html {
#       }
#   }
#
}

[root@master nginx]# systemctl restart nginx.service
[root@master nginx]# vim nginx.conf
[root@master nginx]# systemctl restart nginx.service
[root@master nginx]#
```