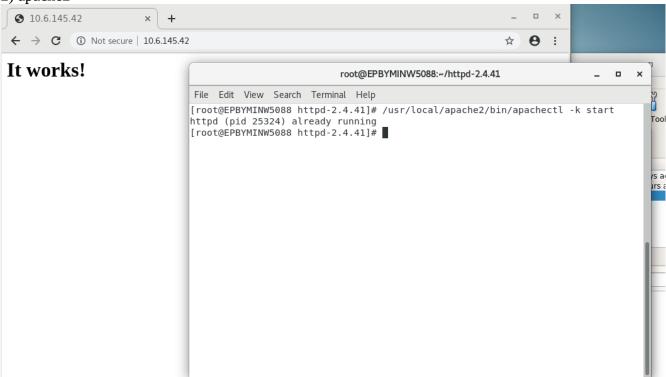
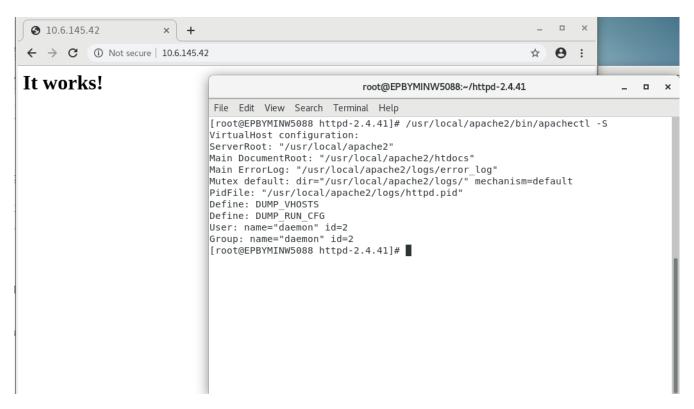


2) apache2



## apache2 configuration

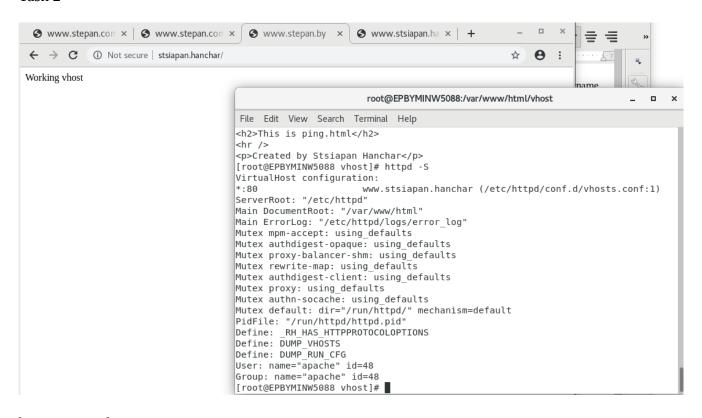


## apachectl -k graceful

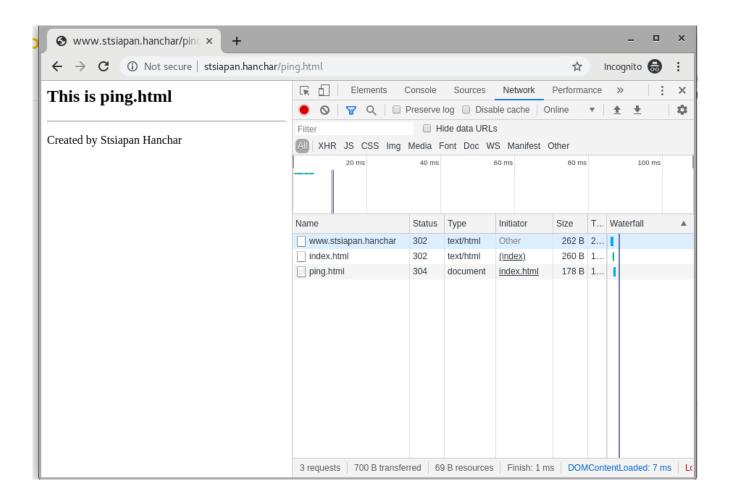
- graceful signal causes the parent process to *advise* the children to exit after their current request (or to exit immediately if they're not serving anything). The parent re-reads its configuration files and re-opens its log files. As each child dies off the parent replaces it with a child from the new *generation* of the configuration, which begins serving new requests immediately.

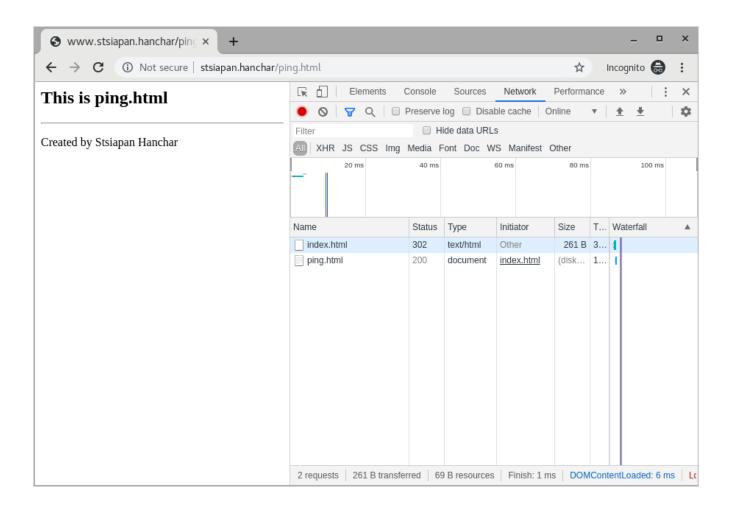
A graceful restart tells the web sever to finish any active connections before restarting. This means that active visitors to your site will be able to finish downloading anything already in progress before the server restarts.

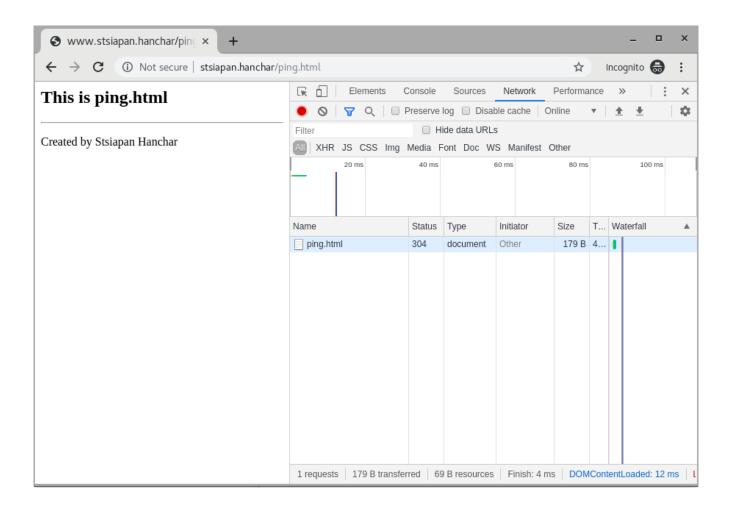
Task 2

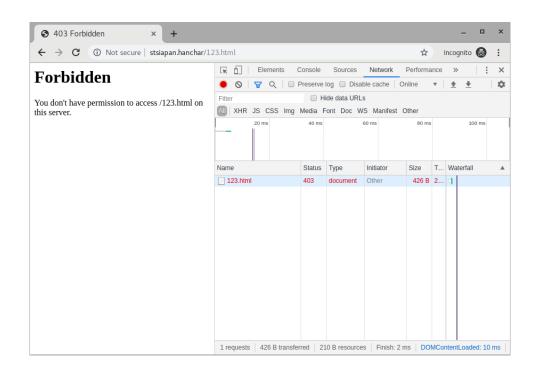


browse console:









```
root@EPBYMINW5088:/usr
                                                                           ×
File Edit View Search Terminal Help
Installed:
 tree.x86_64 0:1.6.0-10.el7
Complete!
[root@EPBYMINW5088 usr]# cat /etc/httpd/conf
                conf.d/
                                conf.modules.d/
[root@EPBYMINW5088 usr]# cat /etc/httpd/conf.d/vhosts.conf
<VirtualHost *:80>
  ServerName www.stsiapan.hanchar
  ServerAlias stsiapan.hanchar
  DocumentRoot /var/wwww/html/vhost
  ErrorLog "| /usr/sbin/cronolog /var/www/html/vhost/error-%Y-%m-%d.log"
  CustomLog "| /usr/sbin/cronolog /var/www/html/vhost/access-%Y-%m-%d.log" combi
ned
  RewriteEngine On
  RewriteRule ^/$ /index.html [R,L]
  RewriteRule ^/index.html /ping.html [R,L]
  RewriteRule ^/ping.html /ping.html [L]
  RewriteRule ^.* - [F]
</VirtualHost>
[root@EPBYMINW5088 usr]#
```

## Tree:

```
root@EPBYMINW5088:/var/www/html/vhost
                                                                          C X
File Edit View Search Terminal Help
access-2019-09-26.log error-2019-09-26.log index.html
[root@EPBYMINW5088 vhost]# ls -la
total 156
drwxr-xr-x. 2 apache apache 151 Sep 26 12:44 .
drwxr-xr-x. 3 apache apache 35 Sep 26 10:52 ...
-rw-r--r-. 1 apache apache 103 Sep 26 09:35 about.html
-rw-r--r- 1 root root 4062 Sep 26 12:44 access-2019-09-26.log
-rw-r--r. 1 apache apache 71702 Sep 26 12:46 access.log
-rw-r--r-- 1 root root 2449 Sep 26 12:44 error-2019-09-26.log
-rw-r--r-. 1 apache apache 5142 Sep 26 12:46 error.log
-rw-r--r-. 1 apache apache 97 Sep 26 08:49 index.html 69 Sep 26 08:35 ping.html
[root@EPBYMINW5088 vhost]# tree
  about.html
 access-2019-09-26.log
 access.log
 — error-2019-09-26.log
 — error.log
  index.html
 ping.html
0 directories, 7 files
[root@EPBYMINW5088 vhost]#
```

```
root@EPBYMINW5088:/var/www/html/vhost
                                                                             ×
 File Edit View Search Terminal Help
[root@EPBYMINW5088 vhost]# clear
[root@EPBYMINW5088 vhost]# cat /etc/httpd/conf.d/vhosts.conf
<VirtualHost *:80>
  ServerName www.stsiapan.hanchar
  ServerAlias stsiapan.hanchar
  DocumentRoot /vawr/wwww/html/vhost
  ErrorLog "|/usr/bin/logger -thttpd -plocal6.err"
  CustomLog "|/usr/bin/logger -thttpd -plocal6.notice" combined
  RewriteEngine On
  RewriteRule ^/$ /index.html [R,L]
  RewriteRule ^/index.html /ping.html [R,L]
  RewriteRule ^/ping.html /ping.html [L]
  RewriteRule ^.* - [F]
</VirtualHost>
[root@EPBYMINW5088 vhost]# systemctl restart httpd
[root@EPBYMINW5088 vhost]# tail -n 5 /var/log/messages
Sep 26 13:17:48 EPBYMINW5088 systemd: Stopping The Apache HTTP Server...
Sep 26 13:17:49 EPBYMINW5088 systemd: Stopped The Apache HTTP Server.
Sep 26 13:17:49 EPBYMINW5088 systemd: Starting The Apache HTTP Server...
Sep 26 13:17:49 EPBYMINW5088 httpd: AH00112: Warning: DocumentRoot [/vawr/wwww/ht
ml/vhost] does not exist
Sep 26 13:17:49 EPBYMINW5088 systemd: Started The Apache HTTP Server.
[root@EPBYMINW5088 vhost]#
```

## curl:

```
[root@EPBYMINW5088 vhost]# curl -I www.stsiapan.hanchar
HTTP/1.1 302 Found
Date: Thu, 26 Sep 2019 17:19:44 GMT
Server: Apache/2.4.6 (CentOS)
Location: http://www.stsiapan.hanchar/index.html
Content-Type: text/html; charset=iso-8859-1
[root@EPBYMINW5088 vhost]#
[root@EPBYMINW5088 vhost]#
[root@EPBYMINW5088 vhost]#
[root@EPBYMINW5088 vhost]#
[root@EPBYMINW5088 vhost]#
[root@EPBYMINW5088 vhost]# tail -n 5 /var/log/messages
Sep 26 13:17:49 EPBYMINW5088 systemd: Stopped The Apache HTTP Server.
Sep 26 13:17:49 EPBYMINW5088 systemd: Starting The Apache HTTP Server...
Sep 26 13:17:49 EPBYMINW5088 httpd: AH00112: Warning: DocumentRoot [/vawr/wwww/ht
ml/vhost] does not exist
Sep 26 13:17:49 EPBYMINW5088 systemd: Started The Apache HTTP Server.
Sep 26 13:19:44 EPBYMINW5088 httpd: 127.0.0.1 - - [26/Sep/2019:13:19:44 -0400] "H
EAD / HTTP/1.1" 302 - "-" "curl/7.29.0"
[root@EPBYMINW5088 vhost]#
```