Apache



```
[admin@localhost ~]$ rpm -qa|grep httpd
httpd-2.2.15-5.el6.i686
httpd-tools-2.2.15-5.el6.i686
httpd-devel-2.2.15-5.el6.i686
httpd-manual-2.2.15-5.el6.noarch
[admin@localhost ~]$ ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0C:29:97:DF:D2
          inet addr:192.168.1.3  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::20c:29ff:fe97:dfd2/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:1280 errors:0 dropped:0 overruns:0 frame:0
          TX packets:316 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:92919 (90.7 KiB)  TX bytes:22745 (22.2 KiB)
          Interrupt:19 Base address:0x2000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:198 errors:0 dropped:0 overruns:0 frame:0
          TX packets:198 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:18428 (17.9 KiB)  TX bytes:18428 (17.9 KiB)
```



```
          RX bytes:18428 (17.9 KiB)  TX bytes:18428 (17.9 KiB)

[admin@localhost ~]$ chkconfig httpd on
You do not have enough privileges to perform this operation.
[admin@localhost ~]$ service httpd start
Starting httpd: (13)Permission denied: make_sock: could not bind to address [::]
:80
(13)Permission denied: make_sock: could not bind to address 0.0.0.0:80
no listening sockets available, shutting down
Unable to open logs
                                                           [FAILED]
[admin@localhost ~]$ su -
Password:
su: incorrect password
[admin@localhost ~]$ su -
Password:
[root@localhost ~]# chkconfig httpd on
[root@localhost ~]# service httpd start
Starting httpd:                                            [  OK  ]
[root@localhost ~]# mkdir -p /var/www/Virtual/www.Shaista1.com/html
[root@localhost ~]# vim /var/www/Virtual/www.Shaista1.com/html/index.html
[root@localhost ~]# vim /etc/httpd/conf/httpd.conf
[root@localhost ~]# chkconfig httpd on
[root@localhost ~]# service httpd start
```

```
Password:
su: incorrect password
[admin@localhost ~]$ su -
Password:
[root@localhost ~]# chkconfig httpd on
[root@localhost ~]# service httpd start
Starting httpd:                                                    [  OK  ]
[root@localhost ~]# mkdir -p /var/www/Virtual/www.Shaista1.com/html
[root@localhost ~]# vim /var/www/Virtual/www.Shaista1.com/html/index.html
[root@localhost ~]# vim /etc/httpd/conf/httpd.conf
[root@localhost ~]# chkconfig httpd on
[root@localhost ~]# service httpd start
Starting httpd:
[root@localhost ~]# service httpd restart
Stopping httpd:                                                    [  OK  ]
Starting httpd: Warning: DocumentRoot [/var/www/virtual/www.Shaista1.com/html] d
oes not exist
                                                                   [  OK  ]
[root@localhost ~]# vim /etc/httpd/conf/httpd.conf
[root@localhost ~]# service httpd restart
Stopping httpd:                                                    [  OK  ]
Starting httpd:                                                    [  OK  ]
[root@localhost ~]#
```
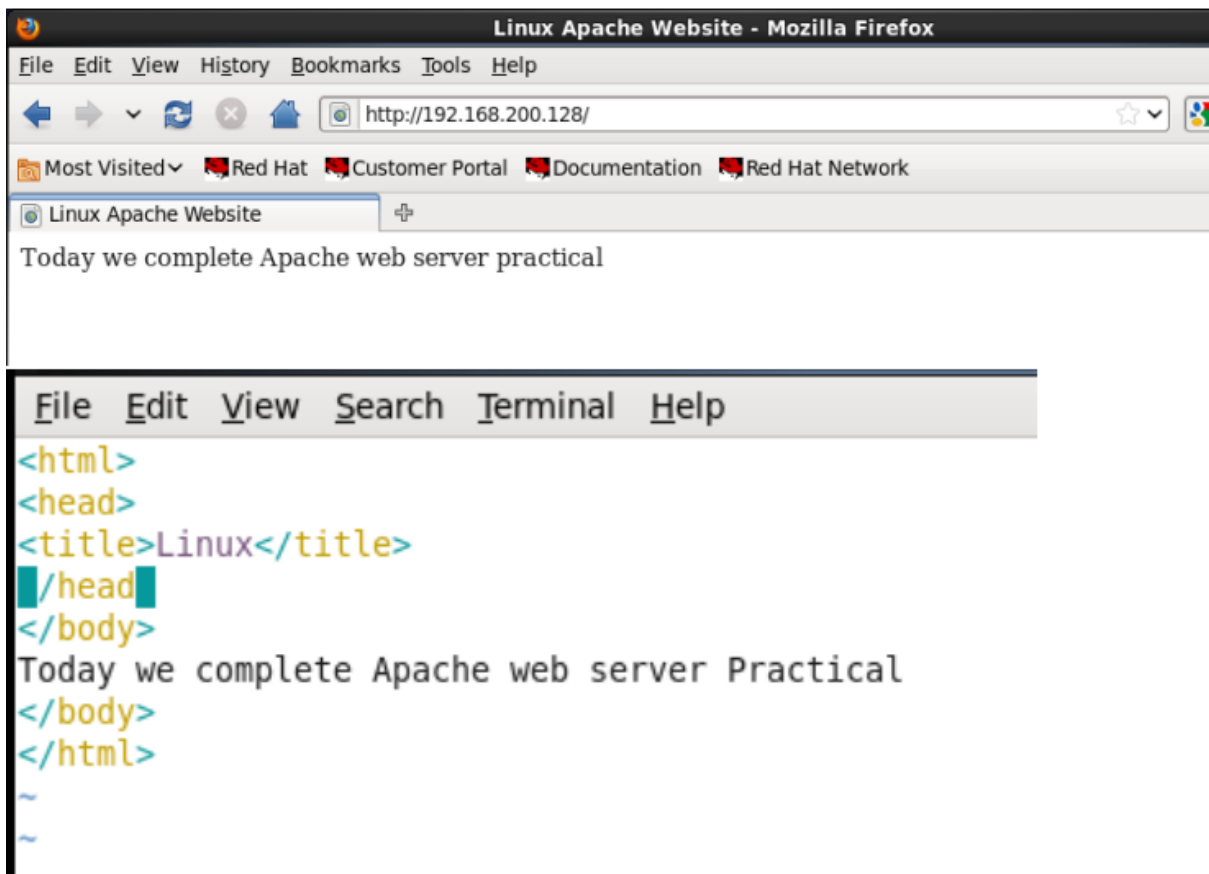
```
          TX packets:46 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:5044 (4.9 KiB)  TX bytes:5044 (4.9 KiB)


[root@localhost Desktop]# chkconfig httpd on
[root@localhost Desktop]# service httpd start
Starting httpd:
[root@localhost Desktop]# mkdir -p /var/www/virtual/www.Disha1.com/html
[root@localhost Desktop]# vim /var/www/virtual/www.Disha1.com/html/index.html
   1010 <VirtualHost *:80>
   1011     ServerAdmin root@server.Disha1.com
   1012     DocumentRoot /var/www/virtual/www.Disha1.com/html
   1013     ServerName www.Disha1.com
   1014     ErrorLog logs/dummy-host.example.com-error_log
   1015     CustomLog logs/dummy-host.example.com-access_log common
   1016 </VirtualHost>
   1017
```

**Linux Apache Website - Mozilla Firefox**

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http://192.168.200.128/

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Linux Apache Website

Today we complete Apache web server practical

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```
<html>
<head>
<title>Linux</title>
/head
</body>
Today we complete Apache web server Practical
</body>
</html>
~
~
```
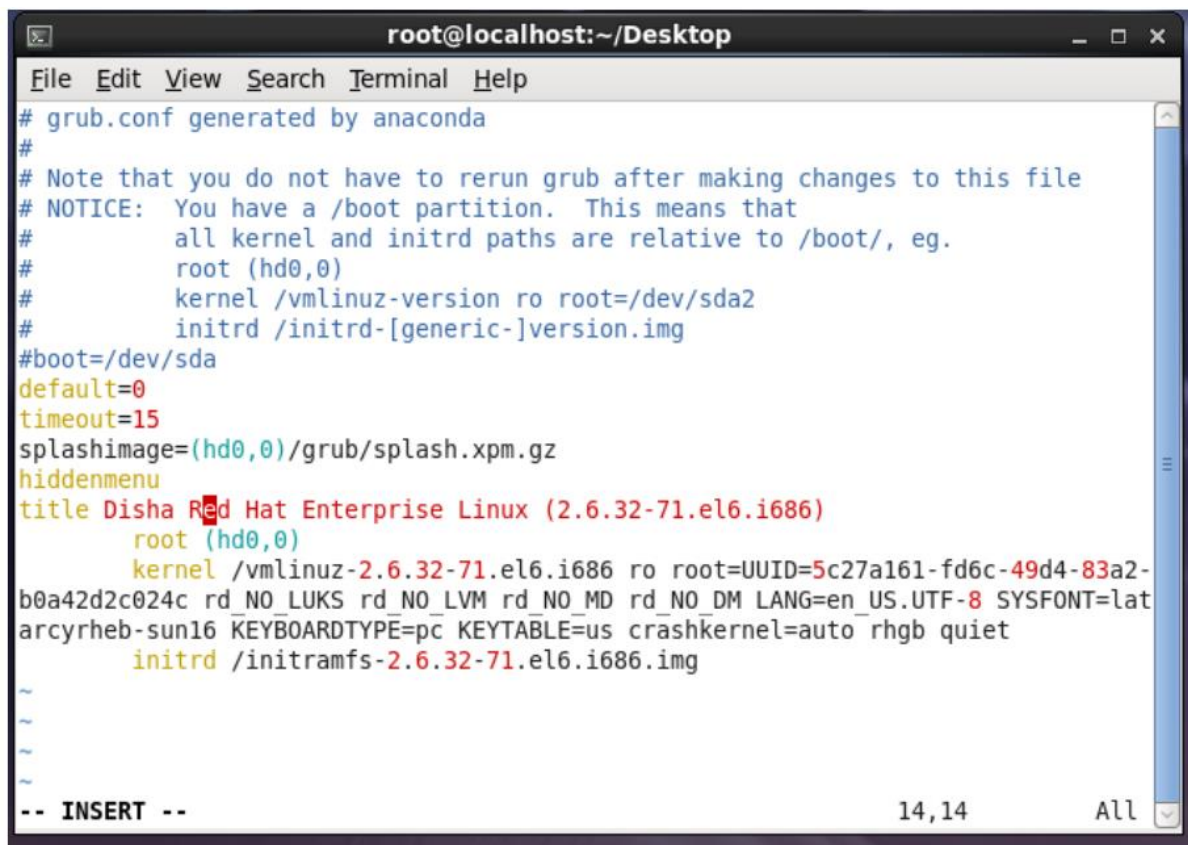
Grub



**root@localhost:~/Desktop**

File  Edit  View  Search  Terminal  Help

```
# grub.conf generated by anaconda
#
# Note that you do not have to rerun grub after making changes to this file
# NOTICE:  You have a /boot partition.  This means that
#          all kernel and initrd paths are relative to /boot/, eg.
#          root (hd0,0)
#          kernel /vmlinuz-version ro root=/dev/sda2
#          initrd /initrd-[generic-]version.img
#boot=/dev/sda
default=0
timeout=15
splashimage=(hd0,0)/grub/splash.xpm.gz
hiddenmenu
title Disha Red Hat Enterprise Linux (2.6.32-71.el6.i686)
        root (hd0,0)
        kernel /vmlinuz-2.6.32-71.el6.i686 ro root=UUID=5c27a161-fd6c-49d4-83a2-
b0a42d2c024c rd_NO_LUKS rd_NO_LVM rd_NO_MD rd_NO_DM LANG=en_US.UTF-8 SYSFONT=lat
arcyrheb-sun16 KEYBOARDTYPE=pc KEYTABLE=us crashkernel=auto rhgb quiet
        initrd /initramfs-2.6.32-71.el6.i686.img
~
~
~
~
-- INSERT --                                              14,14          All
```

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[root@localhost Desktop]# vim /boot/grub/grub.conf
[root@localhost Desktop]# init 6

Press any key to enter the menu

Booting Disha Red Hat Enterprise Linux (2.6.32-71.el6.i686) in 12 seconds...

Vi /boot/grub/grub.conf

Add new entry

Increase timeout to 10 second