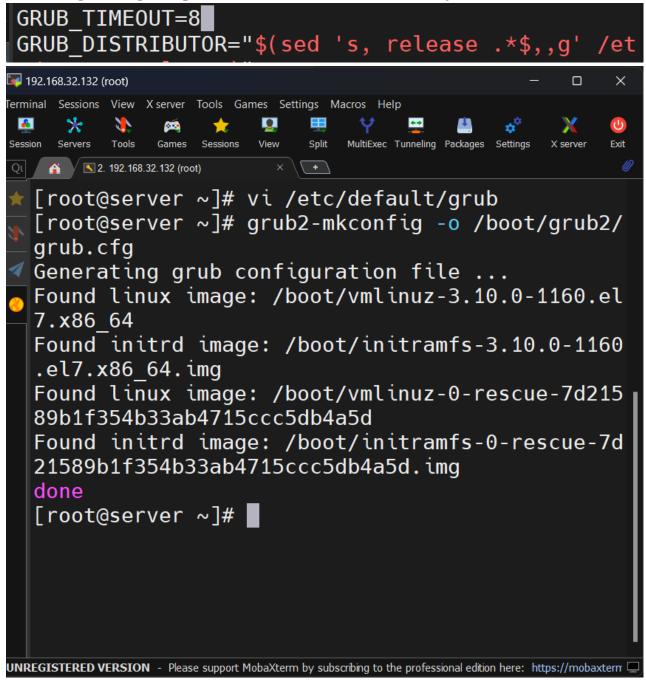
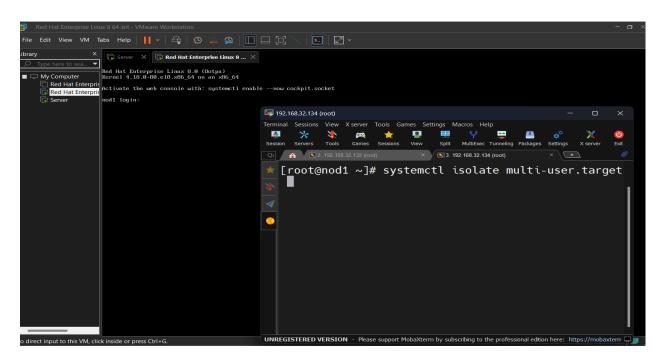
Lab5:

1- Change the grub parameter to be automatically boot after 8 sec



2- switch to the multi-user target manually without rebooting





And to use graphics use this command

Red Hat Enterprise Linux 8 64-bit. *VM-wave Workstation

File Edit View VM Tabs Help

Type here to seak.

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Terminal *

Fri 23-40

Activities Terminal *

Fri 23-40

Terminal Sessions View X server Tools Games Settings Macros Help

Red Hat Enterprise

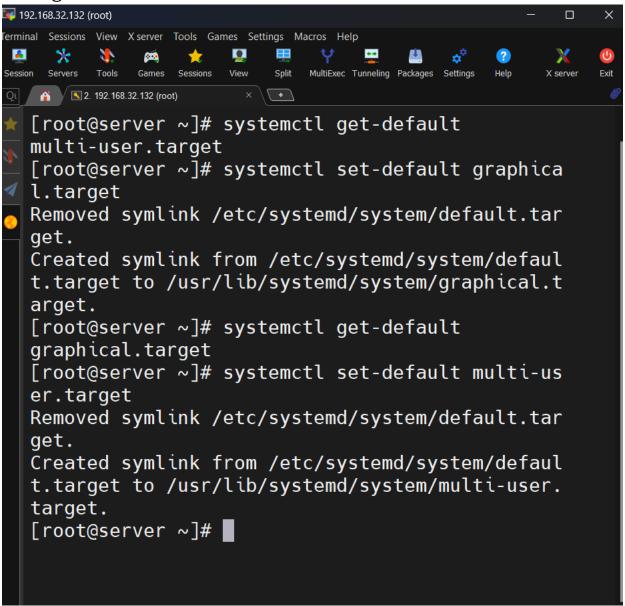
Red Hat Enterprise

Red Hat Enterprise

Server Tools Games Sections View X server Tools Games Settings Macros Help

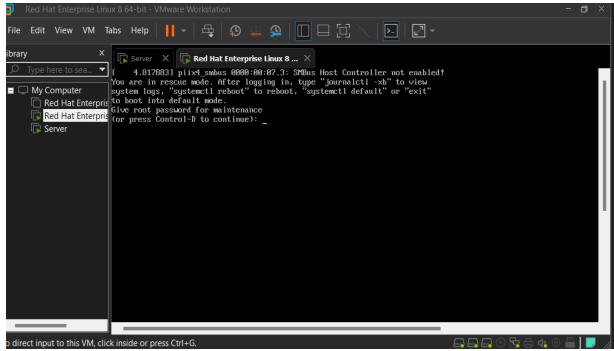
Session Server Tools Games Settings

Red Hat Enterprise Linux 3- configure your server to automatically boot into the multi-user target

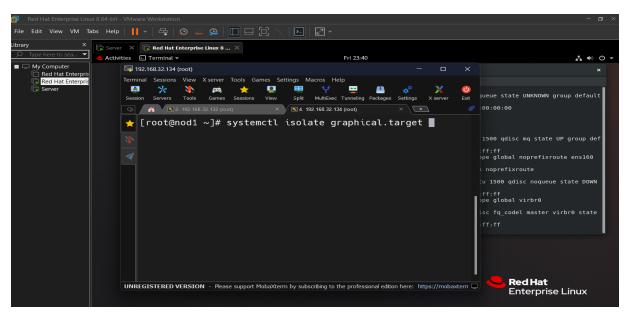


4- reboot the server, then from within the boot loader menu, boot into rescue.target

```
fi
linux16 /vmlinuz-3.10.0-1160.el7.x86_64 root=/dev/mapper/centos-root r\
o spectre_v2=retpoline rd.lvm.lv=centos/root rd.lvm.lv=centos/swap rhgb quiet
systemd.unit=rescue.target_
initrd16 /initramfs-3.10.0-1160.el7.x86_64.img
```



5- set the default systemd target back to graphical.target



6- Display the status of sshd service, note the PID of the daemon

```
3 192.168.32.132 (root)
Terminal Sessions View X server Tools Games Settings Macros Help
         3
                      .
                          ... ∀
             2000
                                        4
                                            •
                                                 ?
Session Servers Tools
                 Sessions View
                           Split MultiExec Tunneling Packages Settings
Qt S 2. 192.168.32.132 (root)
                        \times
★ [root@server ~]# systemctl status sshd
  sshd.service - OpenSSH server daemon
      Loaded: loaded (/usr/lib/systemd/system/sshd.ser
vice; enabled; vendor preset: enabled)
      Active: active (running) since Fri 2024-11-29 22
  :52:02 EET; 10min ago
        Docs: man:sshd(8)
               man:sshd config(5)
   Main PID: 1080 (sshd)
      CGroup: /system.slice/sshd.service
               └─1080 /usr/sbin/sshd -D
  Nov 29 22:52:02 server.mostafa.com systemd[1]: S...
  Nov 29 22:52:02 server.mostafa.com sshd[1080]: S...
  Nov 29 22:52:02 server.mostafa.com sshd[1080]: S...
  Nov 29 22:52:02 server.mostafa.com systemd[1]: S...
  Nov 29 22:53:43 server.mostafa.com sshd[1712]: A...
  Nov 29 22:53:43 server.mostafa.com sshd[1716]: A...
  Hint: Some lines were ellipsized, use -l to show in
   full.
  [root@server ~]# ■
```

```
Main PID: 1080 (sshd)
CGroup: /system.slice/sshd.service
L1080 /usr/sbin/sshd -D
```

7- Restart the sshd service and view the status, The PID of the daemon has changed

```
3 192.168.32.132 (root)
erminal Sessions View X server Tools Games Settings Macros Help
        *
                     .
Qt 2. 192.168.32.132 (root)
[root@server ~]# systemctl restart sshd
  [root@server ~]# systemctl status sshd
  sshd.service - OpenSSH server daemon
     Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vend
 or preset: enabled)
     Active: active (running) since Fri 2024-11-29 23:06:12 EET; 9s ago
       Docs: man:sshd(8)
             man:sshd config(5)
   Main PID: 1857 (sshd)
     CGroup: /system.slice/sshd.service
              └-1857 /usr/sbin/sshd -D
  Nov 29 23:06:12 server.mostafa.com systemd[1]: Stopped OpenSSH serv...
  Nov 29 23:06:12 server.mostafa.com systemd[1]: Starting OpenSSH ser...
  Nov 29 23:06:12 server.mostafa.com sshd[1857]: Server listening on ...
  Nov 29 23:06:12 server.mostafa.com sshd[1857]: Server listening on ...
  Nov 29 23:06:12 server.mostafa.com systemd[1]: Started OpenSSH serv...
  Hint: Some lines were ellipsized, use -l to show in full.
  [root@server ~]#
```

manissina contrag(s)

Main PID: 1857 (sshd)

CGroup: /system.slice/sshd.service

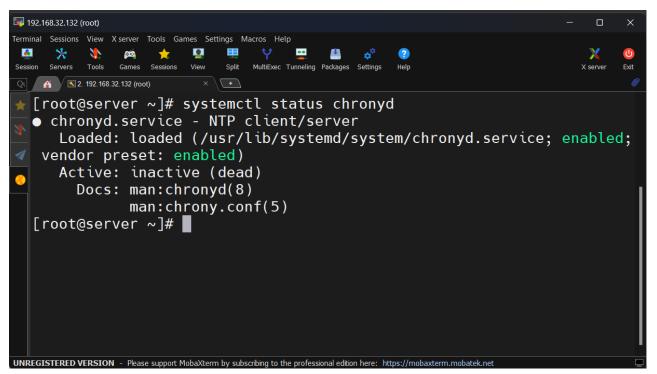
└─1857 /usr/sbin/sshd -D

8- Reload the sshd service and view the status, The PID of the daemon has not changed and connection has not be interrupted

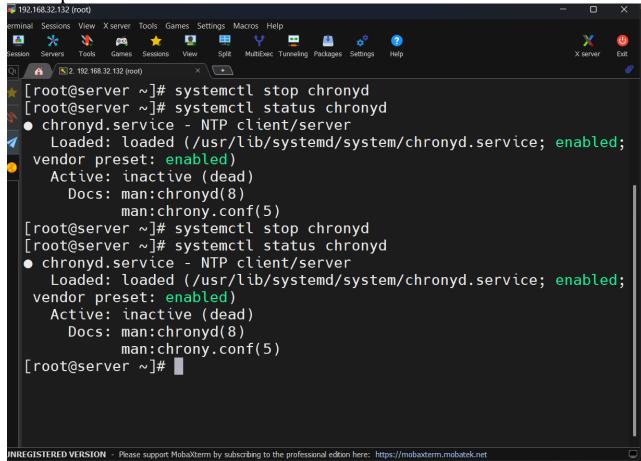
```
3 192.168.32.132 (root)
rminal Sessions View X server Tools Games Settings Macros Help
                    # Y
           page 1
  👔 🔽 2. 192.168.32.132 (root)
 [root@server ~]# clear
  [root@server ~]# systemctl reload sshd
  [root@server ~]# systemctl status sshd
 sshd.service - OpenSSH server daemon
     Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vend
  or preset: enabled)
     Active: active (running) since Fri 2024-11-29 23:06:12 EET; 2min 23
  s ago
       Docs: man:sshd(8)
             man:sshd config(5)
    Process: 1871 ExecReload=/bin/kill -HUP $MAINPID (code=exited, statu
  s=0/SUCCESS)
  Main PID: 1857 (sshd)
     CGroup: /system.slice/sshd.service
              └<u>1</u>857 /usr/sbin/sshd -D
  Nov 29 23:06:12 server.mostafa.com systemd[1]: Stopped OpenSSH serv...
 Nov 29 23:06:12 server.mostafa.com systemd[1]: Starting OpenSSH ser...
  Nov 29 23:06:12 server.mostafa.com sshd[1857]: Server listening on ...
 Nov 29 23:06:12 server.mostafa.com sshd[1857]: Server listening on ...
 Nov 29 23:06:12 server.mostafa.com systemd[1]: Started OpenSSH serv...
  Nov 29 23:08:30 server.mostafa.com systemd[1]: Reloading OpenSSH se...
 Nov 29 23:08:30 server.mostafa.com sshd[1857]: Received SIGHUP; res...
  Nov 29 23:08:30 server.mostafa.com systemd[1]: Reloaded OpenSSH ser...
  Nov 29 23:08:30 server.mostafa.com sshd[1857]: Server listening on ...
```

```
s=0/SUCCESS)
Main PID: 1857 (sshd)
CGroup: /system.slice/sshd.service
└─1857 /usr/sbin/sshd -D
```

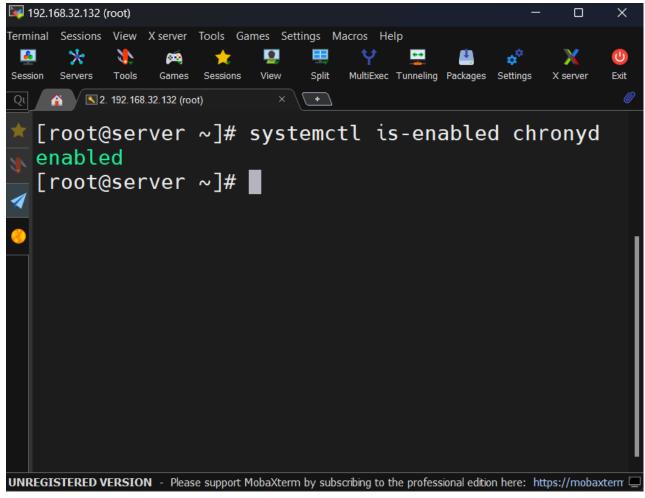
9- Verify that the chronyd service is running



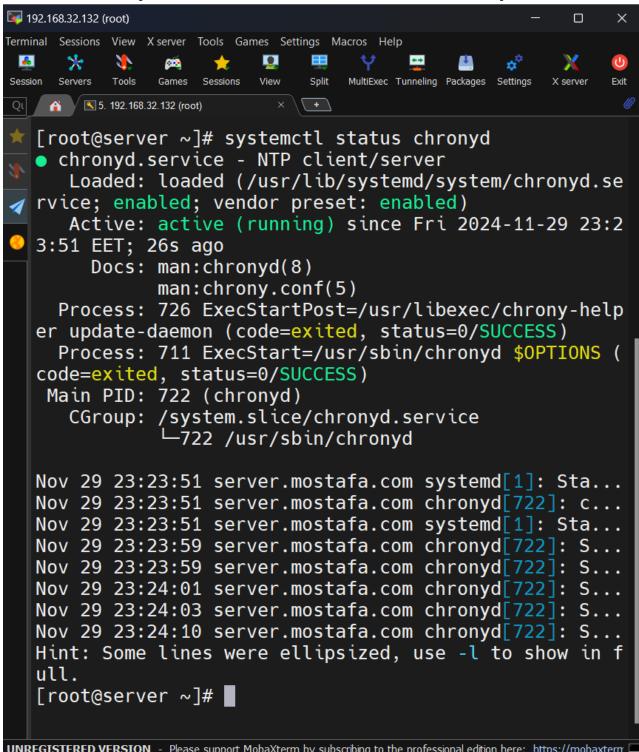
10- Stop the service and view the status



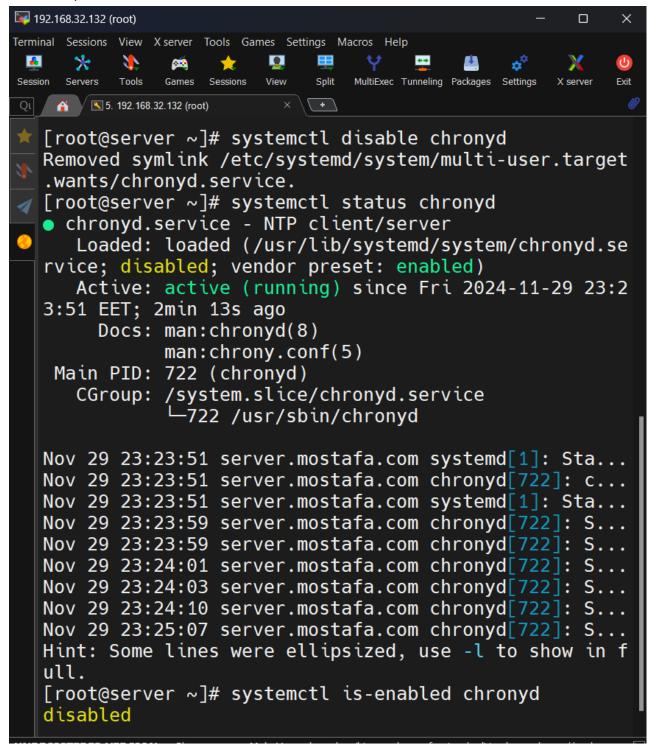
11- Determine if the chronyd service is enabled to start at the system boot



12-Reboot the system, then view the status of the chronyd service



13- Disable the chronyd service so that it doesn't start at system boot, then view the status of the service



14- Reboot the system, then view the status of the chronyd service

