Lesson02: Operating System (Linux).

LAB: 01- Linux Installation and environment readiness.
Follow the class.
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LAB: 02- Selinux & Linux Repository Management.

 Linux Repository Management:

 # yum install nginx
 # cd /etc/yum.repos.d/
 # vim nginx.repo
     [nginx]
     name=nginx repo
     baseurl=http://nginx.org/packages/mainline/centos/7/$basearch/
     gpgcheck=0
     enabled=1
:x

yum clean all
yum repolist
yum install nginx
systemctl status nginx
systemctl start nginx
systemctl status nginx
systemctl is-enabled nginx
systemctl enable nginx
systemctl is-enabled nginx

Linux Selinux Management:

getenforce
vim /etc/selinux/config

    # This file controls the state of SELinux on the system.
    # SELINUX= can take one of these three values:
    #   enforcing - SELinux security policy is enforced.
    #   permissive - SELinux prints warnings instead of enforcing.
    #   disabled - No SELinux policy is loaded.
    SELINUX=disabled
    # SELINUXTYPE= can take one of three two values:
    #   targeted - Targeted processes are protected,
    #   minimum - Modification of targeted policy. Only selected processes are
protected.
    #   mls - Multi Level Security protection.
    SELINUXTYPE=targeted

init 6
getenforce


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LAB: 03- Linux File System Management.

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# fdisk /dev/xvdf
# lsblk
# pvcreate /dev/xvdf1
# yum install lvm2
# cat /proc/partitions
# partprobe
# pvcreate /dev/xvdf1
# vgcreate myvg /dev/xvdf1
# vgs
# lvcreate -L 100GB myvg
# lvcreate -L 10GB myvg
# lvdisplay
# mkdir /pagecloud -p

# cd /dev/mapper/
# ls
# blkid
# mkfs.xfs /dev/myvg/lvol0
# vi /etc/fstab +
 UUID          /pagecloud   xfs      defaults       0 0
# mount -a
# df -HT
# cd /pagecloud/
# touch page.txt
```
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LAB: 04- Linux Server Root Password Break procedure.

1. Go to GRAB Menu/Start up menu.
2. Press E
3. Type and "rd.break" append end of the line.
4. Press ctrl+X
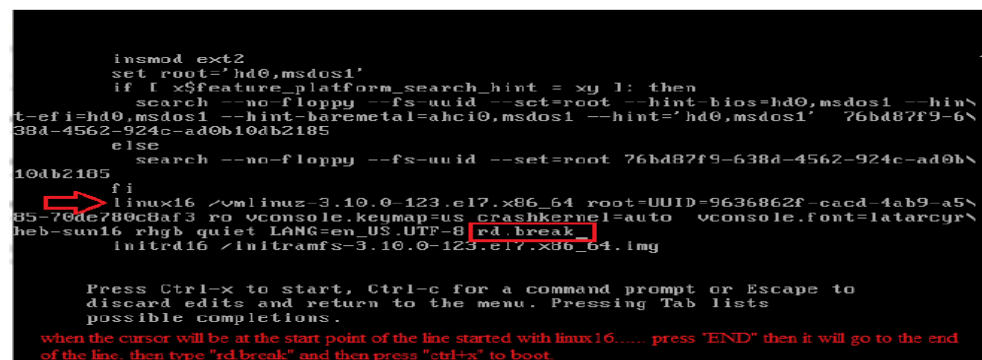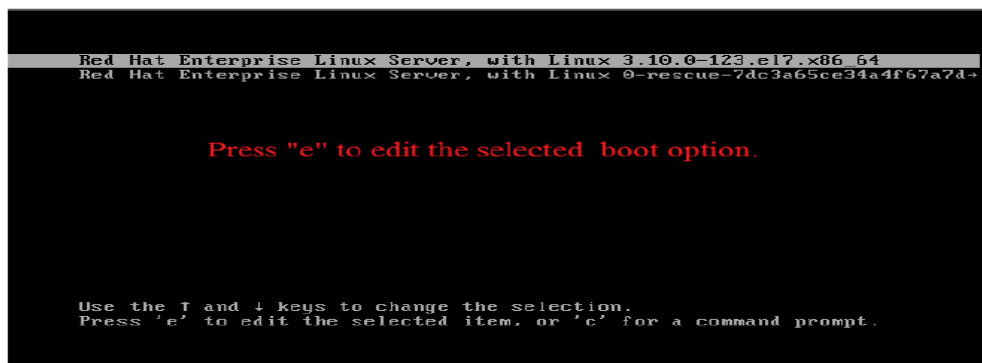
5. switch_root:/# mount -o remount, rw /sysroot/
6. switch_root:/# chroot /sysroot/
7. Sh-4.2 # passwd
8. <TYPE NEW PASSWORD>
9. Confirm the password again.
10. sh-4.2 # touch /.autorelabel
11. sh-4.2 # exit
12. switch_root:/# exit

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