Linux Admin 2 - Lab 5

Name: Muhamad Mamoun Elsaid Hassan

1-Activities 🕟 Terminal Mar 29 13:44 en 🛔 🕪 🖰 mamoun@redhat:~ (mamoun@redhat)-[~] \$ sestatus SELinuxfs mount: /sys/fs/selinux Loaded policy name: targeted Current mode: enforcing Mode from config file: Policy MLS status: enabled Policy deny_unknown status: Memory protection checking: actual (secure) Max kernel policy version: (mamoun@redhat)-[~] 2-Activities Terminal en 🛔 🕪 🖰 Ð mamoun@redhat:~ Q <u>≡</u> __s getenforce (mamoun@redhat)-[~] 3-Mar 29 13:46 Activities Terminal en 🙏 🕪 🖰 ⅎ root@redhat:~ (root@redhat)-[~] \$ sestatus SELinux status: enabled SELinuxfs mount: Loaded policy name: targeted Current mode: permissive Mode from config file: enforcing Policy MLS status: enabled Policy deny_unknown status: Memory protection checking: actual (secure)

4- vim /etc/selinux/config

```
permissive - SELinux prints warnings instead of enforcing.

# permissive - SELinux prints warnings instead of enforcing.

# disabled - No SELinux policy is loaded.

# See also:

# https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/9/html/using_selinux/changing-selinux-states-and-modes_using-selinux#changing-selinux-modes-at-boot-time_changing-selinux-states-and-mode

# NOTE: Up to RHEL 8 release included, SELINUX=disabled would also

# fully disable SELinux during boot. If you need a system with SELinux

# fully disabled instead of SELinux running with no policy loaded, you

# need to pass selinux=0 to the kernel command line. You can use grubby

# to persistently set the bootloader to boot with selinux=0:

# grubby --update-kernel ALL --args selinux=0

# To revert back to SELinux enabled:

# grubby --update-kernel ALL --remove-args selinux

# SELINUX=enforcing

# SELINUXTYPE= can take one of these three values:

# targeted - Targeted processes are protected,

# minimum - Modification of targeted policy. Only selected processes are protected.

# mls - Multi Level Security protection.

SELINUXTYPE=targeted
```

5-



6-

```
Activities ☐ Terminal

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root@redhat:-

(root@redhat)-[~]

$ setsebool httpd_can_network_connect on

(root@redhat)-[~]

$ getsebool -a | grep httpd_can_network_connect

httpd_can_network_connect --> on

httpd_can_network_connect_cobbler --> off

httpd_can_network_connect_db --> off

(root@redhat)-[~]

$
```

7-

8-

```
root@redhat:-

(root@redhat)-[~]
$ chcon -t httpd_sys_content_t ./test-selinux.txt

(root@redhat)-[~]
$ ls -lZ test-selinux.txt

-rw-r--r--. 1 root root unconfined_u:object_r:httpd_sys_content_t:s0 0 Mar 29 13:57 test-selinux.txt

[(root@redhat)-[~]
$ _
```

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```
root@redhat:~

(root@redhat)-[~]

$ firewall-cmd --get-active-zones

public

interfaces: enp0s3

(root@redhat)-[~]
```

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```
root@redhat:-

(root@redhat)-[~]

firewall-cmd --list-rich-rules

(root@redhat)-[~]
```

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13-

```
root@redhat:-

(root@redhat)-[~]

firewall-cmd --remove-service=http --zone=public
success

(root@redhat)-[~]
```

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15-

16- vim /etc/default/grub

```
GRUB_TIMEOUT=0

GRUB_DISTRIBUTOR="$(sed 's, release .*$,,g' /etc/system-release)"

GRUB_DEFAULT=0_

GRUB_DISABLE_SUBMENU=true

GRUB_TERMINAL_OUTPUT="console"

GRUB_CMDLINE_LINUX="crashkernel=1G-4G:192M,4G-64G:256M,64G-:512M resume=/dev/mapper/rhel_10-swap rd.lvm.l

v=rhel_10/root rd.lvm.lv=rhel_10/swap rhgb quiet"

GRUB_DISABLE_RECOVERY="true"

GRUB_ENABLE_BLSCFG=true
```

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```
root@redhat:-

(root@redhat)-[~]

$ vim /etc/default/grub

(root@redhat)-[~]

$ grub2-mkconfig -o /etc/default/grub

Generating grub configuration file ...

Adding boot menu entry for UEFI Firmware Settings ...

done

(root@redhat)-[~]
```