Lab4

Hiển thị trạng thái của firewall sau khi khởi động máy

Hiển thị trạng thái của SELinux sau khi khởi động máy

```
[huy@Huy-221230859 ~]$
[huy@Huy-221230859 ~]$ getenforce
Enforcing
[huy@Huy-221230859 ~]$
[huy@Huy-221230859 ~]$
[huy@Huy-221230859 ~]$
[huy@Huy-221230859 ~]$
```

Chuyển sang chế độ người dùng root, mở file /etc/selinux/config bằng công cụ vi hoặc

Vim

```
# 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=enforcing

# SELINUXTYPE= can take one of three values:

# targeted - Targeted processes are protected,

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

# mls - Multi Level Security protection.

SELINUXTYPE=targeted
```

Sửa giá trị biến SELINUX trong file cấu hình /etc/selinux/config

(SELINUX=Permissive).

• Lưu file và thoát

```
File Edit View Search Terminal Help

# 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=enforcing
SELINUX=Permissive
# SELINUXTYPE= can take one of three values:
# targeted - Targeted processes are protected,
# minimum - Modification of targeted policy. Only selected processes are protected.
# mls - Multi Level Security protection.
SELINUXTYPE=targeted
```

Reboot hệ thống và kiểm tra chế độ hoạt động của SELinux (vẫn là Permissive)

```
root@Huy-221230859:~

File Edit View Search Terminal Help
[huy@Huy-221230859 ~]$ su -
Password:
Last login: Wed Mar 20 11:02:44 +07 2024 on pts/0
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]# vi /etc/selinux/config
[root@Huy-221230859 ~]# vi /etc/selinux/config
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
```

```
huy@Huy-221230859:~
```

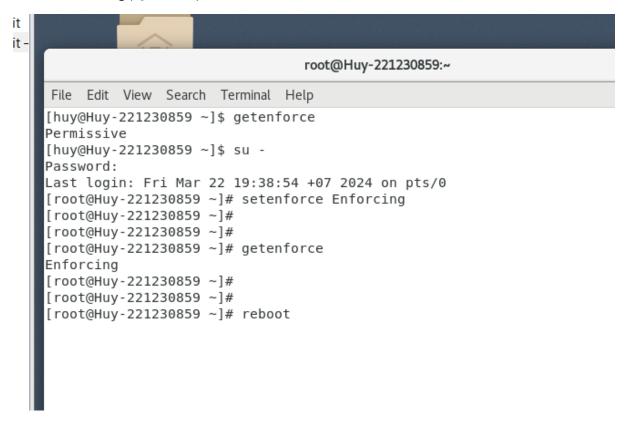
File Edit View Search Terminal Help

[huy@Huy-221230859 ~]\$ getenforce

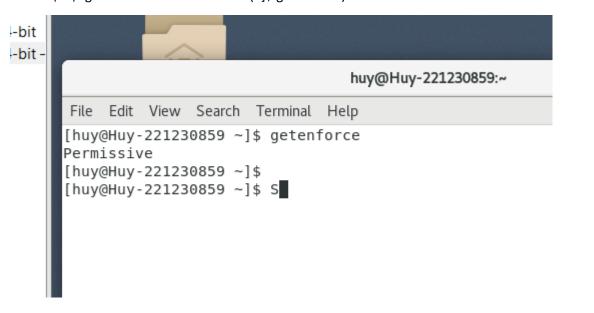
Permissive

[huy@Huy-221230859 ~]\$ S

- Chuyển chế độ hoạt động của SELinux từ Permissive sang Enforcing bằng lệnh (~]# setenforce Enforcing)
- Hiển thị trạng thái của SELinux (~]# getenforce)
- Reboot hệ thống (~]# reboot)



Hiển thị trạng thái của SELinux sau boot (~]\$ getenforce). Vẫn là Permissive



root@Huy-221230859:~

```
File Edit View Search Terminal Help

[huy@Huy-221230859 ~]$ getenforce

Permissive
[huy@Huy-221230859 ~]$
[huy@Huy-221230859 ~]$ su -

Password:

Last login: Fri Mar 22 19:44:55 +07 2024 on pts/0

[root@Huy-221230859 ~]# vi /etc/selinux/config

[root@Huy-221230859 ~]# vi /etc/selinux/config

[root@Huy-221230859 ~]#

[root@Huy-221230859 ~]#

[root@Huy-221230859 ~]#

[root@Huy-221230859 ~]#
```

root@Huy-221230859:~ × File Edit View Search Terminal Help # 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=enforcing #SELINUX=Permissive # SELINUXTYPE= can take one of three values: targeted - Targeted processes are protected, minimum - Modification of targeted policy. Only selected processes are pro mls - Multi Level Security protection. SELINUXTYPE=targeted

```
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]# getenforce
Enforcing
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
```

Lab5

В1

B2

```
# # Min/max values for automatic uid selection in useradd
# UID_MIN 1000
UID_MAX 60000
# System accounts
SYS_UID_MIN 201
SYS_UID_MAX 999
```

В3

```
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]# useradd user_test
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]# passwd user_test
Changing password for user user_test.
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: all authentication tokens updated successfully.
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
```

В4

```
[root@Huy-221230859 ~]# groupadd groupp_test
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]#
[root@Huy-221230859 ~]# usermod -a -G groupp_test user_test
[root@Huy-221230859 ~]#
```

```
[root@Huy-221230859 ~]# su - user_test
[user_test@Huy-221230859 ~]$
[user_test@Huy-221230859 ~]$
[user_test@Huy-221230859 ~]$ id
uid=1002(user_test) gid=1003(user_test) groups=1003(user_test),1004(groupp_test) co
ntext=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[user_test@Huy-221230859 ~]$
[user_test@Huy-221230859 ~]$
[user_test@Huy-221230859 ~]$
[user_test@Huy-221230859 ~]$
```

В6

```
[user_test@Huy-221230859 ~]$ su - huy

Password:
su: Authentication failure
[user_test@Huy-221230859 ~]$ su - huy

Password:
Last login: Fri Mar 22 19:52:57 +07 2024 on :0

Last failed login: Fri Mar 22 20:06:28 +07 2024 on pts/0

There were 2 failed login attempts since the last successful login.
[huy@Huy-221230859 ~]$ ■
```