Tomáš Brček, ID: 120761 Cvičenie: Pondelok 17:00

Zadanie č. 1

Vytvoriť používateľa student1 a student2 v skupinách users a groups.

sudo groupadd groups – vytvorenie skupiny groups

sudo useradd -m -G users,groups student1 – vytvorenie používateľa student1 v skupinách users a groups

sudo useradd -m -G users,groups student2 – vytvorenie používateľa student2 v skupinách users a groups

Vytvoriť používateľa admin v skupine wheel, ktorému expiruje heslo za 3 mesiace.

sudo useradd -m -G wheel admin — vytvorenie používateľa admin v skupine wheel sudo chage -E 2024-12-16 admin — nastavenie expirácie hesla o 3 mesiace

Po prihlásení používateľa vypíšte: "Ahoj usernamé".

Pridanie vyznačeného riadku do súboru /etc/profile

```
rocky@rocky-student-5:- Q = - □ x

for i in /etc/profile.d/*.sh /etc/profile.d/sh.local; do
    if [ -r "$i" ]; then
        if [ "${:#*i}" != "$-" ]; then
            . "$i"
        else
            . "$i" >/dev/null
    fi

done

unset i
unset -f pathmunge

if [ -n "${BASH_VERSION-}" ]; then
        if [ -f /etc/bashrc ]; then
            # Bash login shells run only /etc/profile
            # Bash non-login shells run only /etc/bashrc
            # Check for double sourcing is done in /etc/bashrc.
            . /etc/bashrc
    fi

fi

echo "Ahoj $(whoami)"
Bot
```

Povoľte používateľovi admin vykonať príkaz su bez hesla.

Pridanie vyznačeného riadku do súboru sudoers, ktorý som otvoril príkazom: sudo visudo – kontroluje syntax a zabraňuje chybným úpravám

```
## Allows members of the 'sys' group to run networking, software,
## service management apps and more.
# %sys ALL = NETWORKING, SOFTWARE, SERVICES, STORAGE, DELEGATING, PROCESSES, LOC
ATE, DRIVERS

## Allows people in group wheel to run all commands
# *wheel ALL=(ALL) ALL

## Same thing without a password
# *wheel ALL=(ALL) NOPASSWD: ALL

## Allows members of the users group to mount and unmount the
## cdrom as root
# %users ALL=/sbin/mount /mnt/cdrom, /sbin/umount /mnt/cdrom

## Allows members of the users group to shutdown this system
# %users localhost=/sbin/shutdown -h now

## Read drop-in files from /etc/sudoers.d (the # here does not mean a comment)
#includedir /etc/sudoers.d

ALL (ALL) NOPASSWD: /bin/su
/*ctc/sudoers.mp* 1221, 1000
```

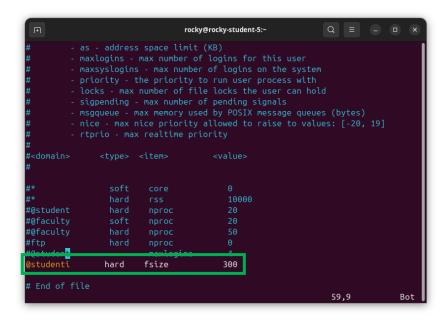
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Zadanie č. 2

Zaraďte používateľa student1 do skupiny studenti.

sudo groupadd studenti – vytvorenie skupiny studenti sudo usermod -a -G studenti student1 – pridanie používateľa student1 do skupiny studenti

Nastavte limit na maximálnu veľkosť súboru 300 kB pre skupinu studenti.



Pridanie vyznačeného riadku do súboru /etc/security/limits.conf @studenti – vzťahuje sa na skupinu studenti hard – pevný limit, ktorý používateľ nemôže prekročiť fsize 300 – maximálna veľkosť súboru v kB

Nastavte politiku hesiel na:

- minimálne 4 číslice,
- dĺžka aspoň 10 znakov,
- heslo rozdielne v 3 znakoch od posledného.

```
# Configuration for systemwide password quality limits
# Defaults:
#
# Number of characters in the new password that must not be present in the
**oid possumed*.

difok = 3

# Minimum acceptable size for the new password (plus one if
# credits are not disabled which is the default). (See pam_cracklib manual.)

**one be et to lower value than 6.
minlen = 10

# The maximum credit for having digits in the new password. If less than 0

**i* is the minimum number of digits in the new password.

dcredit = -4

# The maximum credit for having uppercase characters in the new password.
# If less than 0 it is the minimum number of uppercase characters in the new
# password.
# ucredit = 0

# The maximum credit for having lowercase characters in the new
# password.
# If less than 0 it is the minimum number of lowercase characters in the new
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# password.
# If less than 0 it is the minimum number of lowercase characters in the new
# password.
# If less than 0 it is the minimum num
```

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Pridanie vyznačených riadkov do súboru /etc/security/pwquality.conf

difok = 3 – nové heslo musí byť odlišné od predchádzajúceho aspoň v 3 znakoch

minlen = 10 – minimálna dĺžka hesla je 10 znakov

dcredit = -4 – v hesle musia byť aspoň 4 číslice