


```
sunbeam@server:~$ cat /etc/pam.d/passwd
# Configuration for systemwide password quality limits
# Defaults:
#
# Number of characters in the new password that must not be present in the
# old password.
# value = 3
#
# Minimum acceptable size for the new password. Using one of
# credits are not available given to the default, then you must do manual
# cannot be set to lower value than 8.
# minlen = 10
#
# The maximum credit for having digits in the new password. If less than 0
# it is the minimum number of digits in the new password.
# dcredit = 0
#
# 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
# password.
# lcredit = 0
#
# The maximum credit for having other characters in the new password.
# If less than 0 it is the minimum number of other characters in the new
# password.
# ocredit = 0
#
# The maximum number of repeated character of characters in the new
# password (alpha, numeric, uppercase, lowercase).
# minclass = 1
#
# The maximum number of allowed consecutive same characters in the new password.
# The check is disabled if the value is 0.
# maxrepeat = 0
#
# The maximum number of allowed consecutive characters of the same class in the
# new password.
# The check is disabled if the value is 0.
# max1kindrepeat = 0
#
# Whether to check for the words from the password using WORD-listing of the user.
# The check is enabled if the value is not 0.
# passwordcheck = 0
#
# Whether to check for the words from the crackmap dictionary.
# passwordcheck = 0
```

```

sunbeam@server:~$
login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Thu Oct 19 09:37:07 2023
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim ./bashrc
-bash: sudo: command not found
[sunbeam@server ~]$ sudo vim ./bashrc
[sudo] password for sunbeam:
[sunbeam@server ~]$ sudo vim ~/.bashrc
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo useradd tushar
[sunbeam@server ~]$ id tushar
uid=1001(tushar) gid=1001(tushar) groups=1001(tushar)
[sunbeam@server ~]$
[sunbeam@server ~]$ ls
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo touch file{1..10}
[sunbeam@server ~]$ ls
file1 file10 file2 file3 file4 file5 file6 file7 file8 file9
[sunbeam@server ~]$
[sunbeam@server ~]$ source ~/.bashrc
[sunbeam@server ~]$ ls
total 20
-rwxr-xr-x. 2 sunbeam sunbeam 4096 Nov  6 15:32 .
-rwxr-xr-x. 4 root root 35 Nov  6 15:32 ..
-rw-r--r--. 1 sunbeam sunbeam 113 Oct 19 09:36 .bash_history
-rw-r--r--. 1 sunbeam sunbeam 18 Sep 27 2022 .bash_logout
-rw-r--r--. 1 sunbeam sunbeam 141 Sep 27 2022 .bash_profile
-rw-r--r--. 1 sunbeam sunbeam 511 Nov  6 15:31 .bashrc
-rw-r--r--. 1 root root 0 Nov  6 15:32 file1
-rw-r--r--. 1 root root 0 Nov  6 15:32 file10
-rw-r--r--. 1 root root 0 Nov  6 15:32 file2
-rw-r--r--. 1 root root 0 Nov  6 15:32 file3
-rw-r--r--. 1 root root 0 Nov  6 15:32 file4
-rw-r--r--. 1 root root 0 Nov  6 15:32 file5
-rw-r--r--. 1 root root 0 Nov  6 15:32 file6
-rw-r--r--. 1 root root 0 Nov  6 15:32 file7
-rw-r--r--. 1 root root 0 Nov  6 15:32 file8
-rw-r--r--. 1 root root 0 Nov  6 15:32 file9
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo vim /etc/security/pwquality.conf
[sunbeam@server ~]$
[sunbeam@server ~]$ echo "tushar:test@12345" | sudo chpasswd
-bash: sudo: command not found
[sunbeam@server ~]$ echo "tushar:test@12345" | sudo chpasswd
[sunbeam@server ~]$
[sunbeam@server ~]$ su tushar
Password:

```

```
sunbeam@server:~$ su tushar
Password:
[tushar@server sunbeam]$
[tushar@server sunbeam]$ ls
ls: cannot open directory '.': Permission denied
[tushar@server sunbeam]$ cd ~
[tushar@server ~]$ ls
[tushar@server ~]$ sudo touch file{1..10}

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

[sudo] password for tushar:
tushar is not in the sudoers file.
[tushar@server ~]$
[tushar@server ~]$ touch file{1..10}
[tushar@server ~]$ ls
file1 file10 file2 file3 file4 file5 file6 file7 file8 file9
[tushar@server ~]$ ~/.bashrc
bash: /home/tushar/.bashrc: Permission denied
[tushar@server ~]$
[tushar@server ~]$ ls
file1 file10 file2 file3 file4 file5 file6 file7 file8 file9
[tushar@server ~]$
[tushar@server ~]$ exit
exit
[sunbeam@server ~]$ ls
total 20
9494596 drwx----- 2 sunbeam sunbeam 4096 Nov  6 15:32 .
25194749 drwxr-xr-x  4 root    root    35 Nov  6 15:32 ..
9494611 -rw-----  1 sunbeam sunbeam 113 Oct 19 09:36 .bash_history
9494597 -rw-r--r--  1 sunbeam sunbeam 18 Sep 27  2022 .bash_logout
9494598 -rw-r--r--  1 sunbeam sunbeam 141 Sep 27  2022 .bash_profile
9494617 -rw-r--r--  1 sunbeam sunbeam 511 Nov  6 15:31 .bashrc
9494599 -rw-r--r--  1 root    root     0 Nov  6 15:32 file1
9494625 -rw-r--r--  1 root    root     0 Nov  6 15:32 file10
9494609 -rw-r--r--  1 root    root     0 Nov  6 15:32 file2
9494618 -rw-r--r--  1 root    root     0 Nov  6 15:32 file3
9494619 -rw-r--r--  1 root    root     0 Nov  6 15:32 file4
9494620 -rw-r--r--  1 root    root     0 Nov  6 15:32 file5
9494621 -rw-r--r--  1 root    root     0 Nov  6 15:32 file6
9494622 -rw-r--r--  1 root    root     0 Nov  6 15:32 file7
9494623 -rw-r--r--  1 root    root     0 Nov  6 15:32 file8
9494624 -rw-r--r--  1 root    root     0 Nov  6 15:32 file9
[sunbeam@server ~]$
[sunbeam@server ~]$ su tushar
```

```
sunbeam@server:~$ su tushar
Password:
[tushar@server sunbeam]$ cd ~
[tushar@server ~]$ ls
file1 file10 file2 file3 file4 file5 file6 file7 file8 file9
[tushar@server ~]$
[tushar@server ~]$ exit
exit
[sunbeam@server ~]$ sudo vim /etc/skel/rules.txt
[sudo] password for sunbeam:
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo useradd user1
[sunbeam@server ~]$ echo "user1:pass@12345" | sudo chpasswd
[sunbeam@server ~]$
[sunbeam@server ~]$ su user1
Password:
[user1@server sunbeam]$ cd ~
[user1@server ~]$ ls
rules.txt
[user1@server ~]$ cat rules.txt
These are the rules to follow in our company!
come before 8.00 AM
lunch at 1.00 PM
leave at 7.00 PM
[user1@server ~]$
[user1@server ~]$ exit
exit
[sunbeam@server ~]$
[sunbeam@server ~]$ ls
total 20
9494596 drwx----- 2 sunbeam sunbeam 4096 Nov  6 15:32 .
25194749 drwxr-xr-x  5 root      root    48 Nov  6 15:51 ..
9494611 -rw-----  1 sunbeam sunbeam 113 Oct 19 09:36 .bash_history
9494597 -rw-r--r--  1 sunbeam sunbeam 18 Sep 27 2022 .bash_logout
9494598 -rw-r--r--  1 sunbeam sunbeam 141 Sep 27 2022 .bash_profile
9494617 -rw-r--r--  1 sunbeam sunbeam 511 Nov  6 15:31 .bashrc
9494599 -rw-r--r--  1 root      root      0 Nov  6 15:32 file1
9494625 -rw-r--r--  1 root      root      0 Nov  6 15:32 file10
9494609 -rw-r--r--  1 root      root      0 Nov  6 15:32 file2
9494618 -rw-r--r--  1 root      root      0 Nov  6 15:32 file3
9494619 -rw-r--r--  1 root      root      0 Nov  6 15:32 file4
9494620 -rw-r--r--  1 root      root      0 Nov  6 15:32 file5
9494621 -rw-r--r--  1 root      root      0 Nov  6 15:32 file6
9494622 -rw-r--r--  1 root      root      0 Nov  6 15:32 file7
9494623 -rw-r--r--  1 root      root      0 Nov  6 15:32 file8
9494624 -rw-r--r--  1 root      root      0 Nov  6 15:32 file9
[sunbeam@server ~]$ su tushar
Password:
[tushar@server sunbeam]$
[tushar@server sunbeam]$ cd ~
```

```
sunbeam@server:~$  
[tushar@server ~]$ ls  
file1 file10 file2 file3 file4 file5 file6 file7 file8 file9  
[tushar@server ~]$ exit  
exit  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo vim /etc/bashrc  
[sunbeam@server ~]$ source /etc/bashrc  
[sunbeam@server ~]$  
[sunbeam@server ~]$ sudo userdel tushar  
[sunbeam@server ~]$ sudo useradd tushar  
useradd: warning: the home directory /home/tushar already exists.  
useradd: Not copying any file from skel directory into it.  
Creating mailbox file: File exists  
[sunbeam@server ~]$ sudo userdel -r tushar  
userdel: /var/spool/mail/tushar not owned by tushar, not removing  
userdel: /home/tushar not owned by tushar, not removing  
[sunbeam@server ~]$ sudo rm /home/tushar  
rm: cannot remove '/home/tushar': Is a directory  
[sunbeam@server ~]$ sudo rm -r /home/tushar  
[sunbeam@server ~]$ sudo useradd tushar  
Creating mailbox file: File exists  
[sunbeam@server ~]$ sudo useradd tushar1  
[sunbeam@server ~]$ echo "tushar:test@12345" | sudo chpasswd  
[sunbeam@server ~]$ su tushar1  
Password:  
su: Authentication failure  
[sunbeam@server ~]$ su tushar1  
Password:  
su: Authentication failure  
[sunbeam@server ~]$ echo "tushar1:test@12345" | sudo chpasswd  
[sunbeam@server ~]$ su tushar1  
Password:  
[tushar1@server sunbeam]$ cd ~  
[tushar1@server ~]$ touch file{1..10}  
[tushar1@server ~]$ ls  
total 20  
9494626 drwx----- 2 tushar1 tushar1 4096 Nov  6 16:03 .  
25194749 drwxr-xr-x  6 root    root    63 Nov  6 16:00 ..  
9494627 -rw-r--r--  1 tushar1 tushar1  18 Sep 27 2022 .bash_logout  
9494628 -rw-r--r--  1 tushar1 tushar1 141 Sep 27 2022 .bash_profile  
9494629 -rw-r--r--  1 tushar1 tushar1 492 Sep 27 2022 .bashrc  
9494631 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file1  
9494640 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file10  
9494632 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file2  
9494633 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file3  
9494634 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file4  
9494635 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file5  
9494636 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file6  
9494637 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file7  
9494638 -rw-r--r--  1 tushar1 tushar1   0 Nov  6 16:03 file8
```

```
sunbeam@server:~$ sudo useradd olaf
[sunbeam@server ~]$ echo "olaf:frozen1234" | sudo chpasswd
[sunbeam@server ~]$ man chage
[sunbeam@server ~]$ man chage
[sunbeam@server ~]$ sudo chage -E 2023-12-31 olaf
[sunbeam@server ~]$ sudo useradd cristof
[sunbeam@server ~]$ echo "cristof:frozen1234" | sudo chpasswd
[sunbeam@server ~]$ man chage
[sunbeam@server ~]$ sudo chage -w 5 cristof
chage: invalid option -- 'w'
Usage: chage [options] LOGIN

Options:
-d, --lastday LAST_DAY      set date of last password change to LAST_DAY
-E, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
-h, --help                  display this help message and exit
-i, --iso8601               use YYYY-MM-DD when printing dates
-I, --inactive INACTIVE     set password inactive after expiration
                             to INACTIVE
-l, --list                  show account aging information
-m, --mindays MIN_DAYS      set minimum number of days before password
                             change to MIN_DAYS
-M, --maxdays MAX_DAYS     set maximum number of days before password
                             change to MAX_DAYS
-R, --root CHROOT_DIR       directory to chroot into
-W, --warndays WARN_DAYS    set expiration warning days to WARN_DAYS

[sunbeam@server ~]$ sudo chage -W 5 cristof
[sunbeam@server ~]$ sudo chage -M 20 cristof
[sunbeam@server ~]$ man chage
[sunbeam@server ~]$ man passwd
[sunbeam@server ~]$ sudo passwd -l 2023-09-03 cristof
passwd: Only one user name may be specified.
[sunbeam@server ~]$ sudo -E 2023-09-03 cristof
sudo: 2023-09-03: command not found
[sunbeam@server ~]$ sudo chage -E 2023-09-03 cristof
[sunbeam@server ~]$
```

```
sunbeam@server~$ cat rules.txt
These are the rules to follow in our company!
come before 8.00 AM
lunch at 1.00 PM
leave at 7.00 PM
```



```

sunbeam@server:~$ shopt -s checkwinsize
[ "PS1" = "\$" ] && PS1="\u@\h:\w\$"
# You might want to take a.g. try to change (e.g. add) the window
# and window size
# If you want to be able to, then add a.g.
# if [ "$PS1" ]; then
#   echo "window size"
# fi
# To your current window size, add the window size, then
fi

if ! shopt -q login_shell; then # We're not a login shell
# Need to update pathmunge. It's only updated at the end of login_shell
pathmunge () {
  case "${PATH}" in
    *)
      if [ "$2" = "after" ]; then
        PATH=$2:$1
      else
        PATH=$1:$2
      fi
    esac
  }

# For default, add the window size, then
[ "umask" -eq 0 ] && umask 022

# We're not a login shell, so we don't need to
# We're not a login shell, so we don't need to
# We're not a login shell, so we don't need to
for i in $(cat /etc/profile.d/*.sh); do
  if [ -r "$i" ]; then
    if [ "$PS1" ]; then
      . "$i"
    else
      . "$i" >/dev/null
    fi
  fi
done

unset i
unset -f pathmunge
fi

# We're not a login shell, so we don't need to
alias ls="ls -la"
"/etc/bashrc" 89%, 2657B

```

```
sunbeam@server:~$ cat /etc/security/pwquality.conf
# Configuration for systemwide password quality control
# Default: 0

# Number of characters in the new password that must not be present in the
# old password.
# Default: 0
minlen = 10

# Minimum acceptable size for the new password. If any one of
# the above are not specified, moved to the default, then you must still manual
# cannot be set to lower value than 8.
minlen = 10

# The maximum credit for having digits in the new password. If less than 0
# it is the minimum number of digits in the new password.
# Default: 0

# 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.
ucrcrit = 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
# password.
lcrcrit = 0

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

# The maximum number of repeated character of characters in the new
# password. Typical operations, swimming, etcetera.
minclass = 1

# The maximum number of allowed consecutive same characters in the new password.
# The check is disabled if the value is 0.
# Default: 0

# The maximum number of allowed consecutive characters of the same class in the
# new password.
# The check is disabled if the value is 0.
maxlindrepeat = 0

# Whether to check for the words from the password entry DBS of the user.
# The check is enabled if the value is not 0.
# Default: 0

# Whether to check for the words from the crackmap dictionary.
# The check is enabled if the value is not 0.
# Default: 0

"/etc/security/pwquality.conf" 79L, 2670B
```