

MOHAMED SOROUR – IoT- lab1:

## 1. Install CentOS /RHEL

done!

## 2. What is the difference between cat and more command?

Cat→ view all the file content

more→ view file content till certain percentage, then press enter to increase this percentage.

## 3. What is the difference between rm and rmdir using man?

Rm→ remove and empty directory files

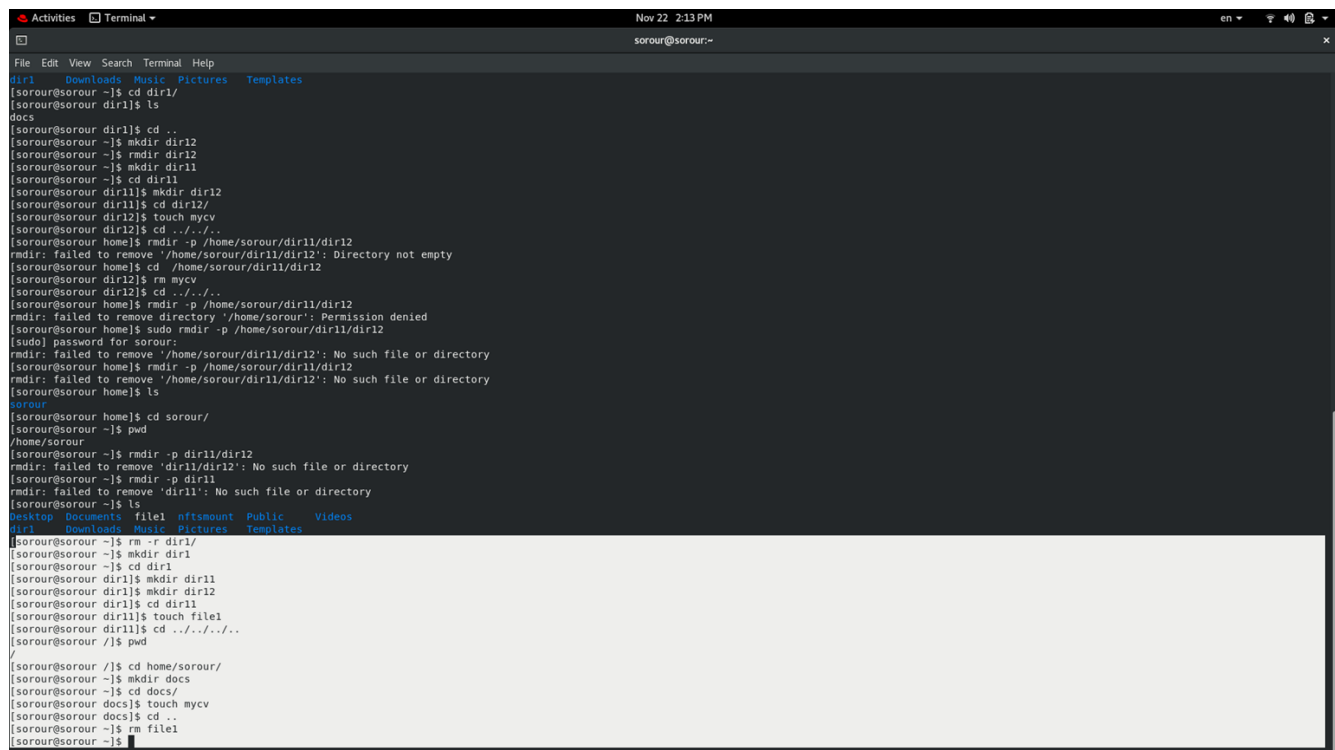
rmdir→ remove empty directory

## 4. Create the following hierarchy under your home directory:

dir1 docs

dir11 dir12 mycv

file1



```
Activities Terminal Nov 22 2:13 PM
sorour@sorour:~$ cd dir1/
[sorour@sorour dir1]$ ls
docs
[sorour@sorour dir1]$ cd ..
[sorour@sorour ~]$ mkdir dir12
[sorour@sorour ~]$ rmdir dir12
[sorour@sorour ~]$ mkdir dir11
[sorour@sorour ~]$ cd dir11
[sorour@sorour dir11]$ mkdir dir12
[sorour@sorour dir11]$ cd dir12/
[sorour@sorour dir12]$ touch mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour ~]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': Directory not empty
[sorour@sorour ~]$ cd /home/sorour/dir11/dir12
[sorour@sorour dir12]$ rm mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour ~]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove directory '/home/sorour': Permission denied
[sorour@sorour ~]$ sudo rmdir -p /home/sorour/dir11/dir12
[sudo] password for sorour:
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nfsmount Public Videos
[sorour@sorour ~]$ cd sorour/
[sorour@sorour ~]$ pwd
/home/sorour
[sorour@sorour ~]$ rmdir -p dir11/dir12
rmdir: failed to remove 'dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p dir11
rmdir: failed to remove 'dir11': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nfsmount Public Videos
[sorour@sorour ~]$ rm -r dir1/
[sorour@sorour ~]$ mkdir dir1
[sorour@sorour ~]$ cd dir1
[sorour@sorour dir1]$ mkdir dir11
[sorour@sorour dir1]$ mkdir dir12
[sorour@sorour dir1]$ cd dir11
[sorour@sorour dir11]$ touch file1
[sorour@sorour dir11]$ cd ../../..
[sorour@sorour ~]$ pwd
/
[sorour@sorour ~]$ cd home/sorour/
[sorour@sorour ~]$ mkdir docs
[sorour@sorour ~]$ cd docs/
[sorour@sorour docs]$ touch mycv
[sorour@sorour docs]$ cd ..
[sorour@sorour ~]$ rm file1
[sorour@sorour ~]$
```

a. Remove dir11 in one-step. What did you notice? And how did you overcome that? I used rm- r to remove directory with files in it.

```
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sorour@sorour:~
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docs
[sorour@sorour dir1]$ cd ..
[sorour@sorour ~]$ mkdir dir12
[sorour@sorour ~]$ rmdir dir12
[sorour@sorour ~]$ mkdir dir11
[sorour@sorour ~]$ cd dir11
[sorour@sorour dir11]$ mkdir dir12
[sorour@sorour dir11]$ cd dir12/
[sorour@sorour dir12]$ touch mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': Directory not empty
[sorour@sorour home]$ cd /home/sorour/dir11/dir12
[sorour@sorour dir12]$ rm mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove directory '/home/sorour': Permission denied
[sorour@sorour home]$ sudo rmdir -p /home/sorour/dir11/dir12
[sudo] password for sorour:
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ ls
sorour
[sorour@sorour home]$ cd sorour/
[sorour@sorour ~]$ pwd
/home/sorour
[sorour@sorour ~]$ rmdir -p dir11/dir12
rmdir: failed to remove 'dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p dir11
rmdir: failed to remove 'dir11': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nftsmount Public Videos
dir1 Downloads Music Pictures Templates
[sorour@sorour ~]$ rm -r dir1/
[sorour@sorour ~]$ mkdir dir1
[sorour@sorour ~]$ cd dir1
[sorour@sorour dir1]$ mkdir dir11
[sorour@sorour dir1]$ mkdir dir12
[sorour@sorour dir1]$ cd dir11
[sorour@sorour dir11]$ touch file1
[sorour@sorour dir11]$ cd ../../../../
[sorour@sorour ~]$ pwd
/
[sorour@sorour ~]$ cd home/sorour/
[sorour@sorour ~]$ mkdir docs
[sorour@sorour ~]$ cd docs/
[sorour@sorour docs]$ touch mycv
[sorour@sorour docs]$ cd ..
[sorour@sorour ~]$ rm file1
[sorour@sorour ~]$ rm -r dir1/dir11
bash: rm-r: command not found...
[sorour@sorour ~]$ rm -r dir1/dir11
[sorour@sorour ~]$
```

b. Then remove dir12 using `rmdir -p` command. State what happened to the hierarchy (Note: you are in your home directory).

c. The output of the command `pwd` was `/home/user`. Write the absolute and relative path for the file `mycv`

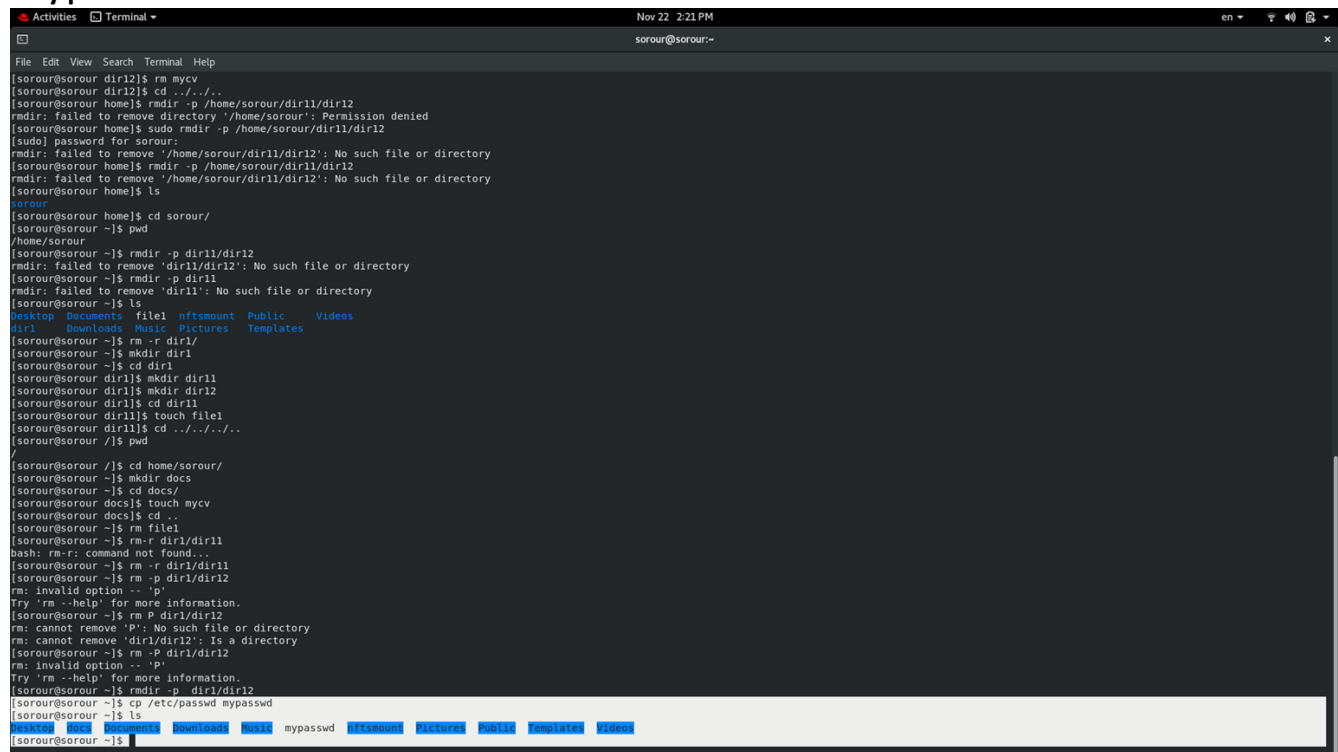
```
Activities Terminal Nov 22 2:16 PM
sorour@sorour:~
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[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': Directory not empty
[sorour@sorour home]$ cd /home/sorour/dir11/dir12
[sorour@sorour dir12]$ rm mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove directory '/home/sorour': Permission denied
[sorour@sorour home]$ sudo rmdir -p /home/sorour/dir11/dir12
[sudo] password for sorour:
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ ls
sorour
[sorour@sorour home]$ cd sorour/
[sorour@sorour ~]$ pwd
/home/sorour
[sorour@sorour ~]$ rmdir -p dir11/dir12
rmdir: failed to remove 'dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p dir11
rmdir: failed to remove 'dir11': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nftsmount Public Videos
dir1 Downloads Music Pictures Templates
[sorour@sorour ~]$ rm -r dir1/
[sorour@sorour ~]$ mkdir dir1
[sorour@sorour ~]$ cd dir1
[sorour@sorour dir1]$ mkdir dir11
[sorour@sorour dir1]$ mkdir dir12
[sorour@sorour dir1]$ cd dir11
[sorour@sorour dir11]$ touch file1
[sorour@sorour dir11]$ cd ../../../../
[sorour@sorour ~]$ pwd
/
[sorour@sorour ~]$ cd home/sorour/
[sorour@sorour ~]$ mkdir docs
[sorour@sorour ~]$ cd docs/
[sorour@sorour docs]$ touch mycv
[sorour@sorour docs]$ cd ..
[sorour@sorour ~]$ rm file1
[sorour@sorour ~]$ rm -r dir1/dir11
bash: rm-r: command not found...
[sorour@sorour ~]$ rm -r dir1/dir11
[sorour@sorour ~]$ rm -p dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rm -p dir1/dir12
rm: cannot remove '-p': No such file or directory
rm: cannot remove 'dir1/dir12': Is a directory
[sorour@sorour ~]$ rm -p dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rmdir -p dir1/dir12
[sorour@sorour ~]$
```

relative path → docs/mycv

absolute path → *home/sorour/docs/mycv*

5. Copy the /etc/passwd file to your home directory making its name is mypasswd.



```
Activities Terminal Nov 22 2:21 PM
sorour@sorour:~$ rm mycv
[sorour@sorour dir12]$ cd ../../..
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove directory '/home/sorour': Permission denied
[sorour@sorour home]$ sudo rmdir -p /home/sorour/dir11/dir12
[sudo] password for sorour:
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ ls
sorour
[sorour@sorour home]$ cd sorour/
[sorour@sorour ~]$ pwd
/home/sorour
[sorour@sorour ~]$ rmdir -p dir11/dir12
rmdir: failed to remove 'dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p dir11
rmdir: failed to remove 'dir11': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nftsmount Public Videos
dir1 Downloads Music Pictures Templates
[sorour@sorour ~]$ rm -r dir1/
[sorour@sorour ~]$ mkdir dir1
[sorour@sorour ~]$ cd dir1
[sorour@sorour dir1]$ mkdir dir11
[sorour@sorour dir1]$ mkdir dir12
[sorour@sorour dir1]$ cd dir11
[sorour@sorour dir11]$ touch file1
[sorour@sorour dir11]$ cd ../../../../..
[sorour@sorour ~]$ pwd
/
[sorour@sorour ~]$ cd home/sorour/
[sorour@sorour ~]$ mkdir docs
[sorour@sorour ~]$ cd docs/
[sorour@sorour docs]$ touch mycv
[sorour@sorour docs]$ cd ..
[sorour@sorour ~]$ rm file1
[sorour@sorour ~]$ rm -r dir1/dir11
bash: rm -r: command not found...
[sorour@sorour ~]$ rm -r dir1/dir11
[sorour@sorour ~]$ rm -p dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rm -p dir1/dir12
rm: cannot remove 'P': No such file or directory
rm: cannot remove 'dir1/dir12': is a directory
[sorour@sorour ~]$ rm -p dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rmdir -p dir1/dir12
[sorour@sorour ~]$ cp /etc/passwd mypasswd
[sorour@sorour ~]$ ls
Desktop doc Documents Downloads Music mypasswd nftsmount Pictures Public Template Videos
[sorour@sorour ~]$
```

6. Rename this new file to be oldpasswd.

```
Activities Terminal Nov 22 2:21 PM en 40 x
sorour@sorour:~
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[sudo] password for sorour:
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ rmdir -p /home/sorour/dir11/dir12
rmdir: failed to remove '/home/sorour/dir11/dir12': No such file or directory
[sorour@sorour home]$ ls
sorour
[sorour@sorour home]$ cd sorour/
[sorour@sorour ~]$ pwd
/home/sorour
[sorour@sorour ~]$ rmdir -p dir11/dir12
rmdir: failed to remove 'dir11/dir12': No such file or directory
[sorour@sorour ~]$ rmdir -p dir11
rmdir: failed to remove 'dir11': No such file or directory
[sorour@sorour ~]$ ls
Desktop Documents file1 nftsmount Public Videos
dir1 Downloads Music Pictures Templates
[sorour@sorour ~]$ rm -r dir1/
[sorour@sorour ~]$ mkdir dir1
[sorour@sorour ~]$ cd dir1
[sorour@sorour dir1]$ mkdir dir11
[sorour@sorour dir1]$ mkdir dir12
[sorour@sorour dir1]$ cd dir11
[sorour@sorour dir11]$ touch file1
[sorour@sorour dir11]$ cd ../../../../
[sorour@sorour ~]$ pwd
/
[sorour@sorour ~]$ cd home/sorour/
[sorour@sorour ~]$ mkdir docs
[sorour@sorour ~]$ cd docs/
[sorour@sorour docs]$ touch mycv
[sorour@sorour docs]$ cd ..
[sorour@sorour ~]$ rm file1
[sorour@sorour ~]$ rm -r dir1/dir11
bash: rm -r: command not found...
[sorour@sorour ~]$ rm -r dir1/dir11
[sorour@sorour ~]$ rm -p dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rm -P dir1/dir12
rm: cannot remove 'P': No such file or directory
rm: cannot remove 'dir1/dir12': Is a directory
[sorour@sorour ~]$ rm -P dir1/dir12
rm: invalid option -- 'p'
Try 'rm --help' for more information.
[sorour@sorour ~]$ rmdir -p dir1/dir12
[sorour@sorour ~]$ cp /etc/passwd mypasswd
[sorour@sorour ~]$ ls
Desktop docs Documents Downloads Music mypasswd nftsmount Pictures Public Templates Videos
[sorour@sorour ~]$
[sorour@sorour ~]$ mv mypasswd oldpasswd
[sorour@sorour ~]$ ls
Desktop Documents Music oldpasswd Public Videos
docs Downloads nftsmount Pictures Templates
[sorour@sorour ~]$
```

7. You are in /usr/bin, list four ways to go to your home directory

1-cd ../../ → cd home/sorour

2-cd ../../ → cd ~

3-cd /home/sorour

4- cd ~

8. List Linux commands in /usr/bin that start with letter w



```
Activities Terminal Nov 22 2:29 PM en 40
sorour@sorour/etc

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dracut.conf          motd          sudo.conf
dracut.conf.d        motd.d        sudoers
egl                  mtabs         sudoers.d
enscript.cfg         mttools.conf sudo-ldap.conf
environment          multi-path    sws
ethertypes           my.cnf        swtpm-localca.conf
exports             my.cnf.d      swtpm-localca.options
exports.d           nanorc        swtpm-setup.conf
favicon.png         netctl        sysconfd
filesystems         netconfig     sysctl.conf
firefox             NetworkManager sysctl.d
firewalld           networks      systemd
flatpak            nfs.conf      system-release
fontconfig          nfs-mount.conf system-release-cpe
fprintd.conf        nftables      tcsh.conf
fstab              nsswitch.conf terminfo
fuse.conf          nsswitch.conf.bak tmpfiles.d
fwupd              nvidia        trusted-key.key
gnome               oddjob        tuned
gnome-keyring       oddjob.conf   udev
gpg-agent           oddjob.conf.d udisks2
gpg-agent.d         openldap      unbound
gdm                opt           updatedb.conf
gdm-xsettings       os-release    UPower
glvnd               ostree        usb_modeswitch.conf
gnupg              PackageKit    vconsole.conf
GREP_COLORS         pam.d         vimrc
groff              papersize     virc
group              passwd        vmware-tools
groupinfo          passwd-       wgetrc
grub2-efi.cfg       pbm2ppa.conf wpa_supplicant
grub2              pbservice     x11
gshadow            pinpoint      xattr.conf
gshadow-           pipewire      xdg
gss                pkcs11        xinetd.d
gssproxy           pkcs12        xml
highlight          plm          yum
host.conf          plm          yum.conf
hostname           plm          yum.repos.d
hosts             plm2ppa.conf
hosts.d            polkit-1
[ sorour@sorour etc]$ head -4 passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[ sorour@sorour etc]$ tail -7 passwd
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
gdm:x:42:42:GDM User:/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:975:975:Gnome Initial Setup:/usr/share/gnome-initial-setup:/sbin/nologin
design:x:974:974:Group for the design signing daemon:/var/run/psign:/sbin/nologin
tcpdump:x:72:72:tcpdump:/usr/sbin:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
sorour:x:1000:1000:SOROUR:/home/sorour:/bin/bash
[ sorour@sorour etc]$
```

11.Display the man pages of passwd the command and the file sequentially in one command.

Man passwd ; cat passwd

```
Activities Terminal Nov 22 2:34 PM en 40
sorour@sorour/etc

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PASSWD(1) User utilities PASSWD(1)

NAME
passwd - update user's authentication tokens

SYNOPSIS
passwd [-k] [-l] [-u] [-f] [-d] [-e] [-n mindays] [-x maxdays] [-w
warndays] [-i inactivedays] [-S] [--stdin] [-T] [--usage] [username]

DESCRIPTION
The passwd utility is used to update user's authentication token(s).

This task is achieved through calls to the Linux-PAM and Libuser API.
Essentially, it initializes itself as a "passwd" service with Linux-PAM
and utilizes configured password modules to authenticate and then
update a user's password.

A simple entry in the global Linux-PAM configuration file for this service
would be:

#
# passwd service entry that does strength checking of
# a proposed password before updating it.
#
passwd password requisite pam_cracklib.so retry=3
passwd password required pam_unix.so use_authtok
#

Note, other module types are not required for this application to function
correctly.

OPTIONS
-k, --keep-tokens
The option -k is used to indicate that the update should only be
for expired authentication tokens (passwords); the user wishes
to keep their non-expired tokens as before.

-l, --lock
This option is used to lock the password of specified account
and it is available to root only. The locking is performed by
rendering the encrypted password into an invalid string (by
prefixing the encrypted string with an !). Note that the account is
not fully locked - the user can still log in by other means of
authentication such as the ssh public key authentication. Use
chage -E 0 user command instead for full account locking.

--stdin
This option is used to indicate that passwd should read the new
password from standard input, which can be a pipe.

-u, --unlock
This is the reverse of the -l option - it will unlock the
account password by removing the ! prefix. This option is avail-
Manual page passwd(1) line 1 (press h for help or q to quit)
```



```
Nov 22 2:34 PM
sorour@sorour/etc

[sorour@sorour etc]$ head -4 passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[sorour@sorour etc]$ tail -7 passwd
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:975:975:/run/gnome-initial-setup:/sbin/nologin
design:x:974:974:Group for the design signing daemon:/var/run/design:/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
sorour:x:1000:1000:SOROUR:/home/sorour:/bin/bash
[sorour@sorour etc]$ cd ..
[sorour@sorour ~]$ cd /home/sorour
[sorour@sorour ~]$ cd /etc/
[sorour@sorour etc]$ man passwd
[sorour@sorour etc]$ man -k passwd
chpasswd (8) - update group passwords in batch mode
chpasswd (8) - update passwords in batch mode
fgetpwent_r (3) - get passwd file entry reentrantly
getpwent_r (3) - get passwd file entry reentrantly
gpasswd (1) - administer /etc/group and /etc/gshadow
grub2-mkpasswd-pbkdf2 (1) - Generate a PBKDF2 password hash.
lpaswd (1) - Change group or user password
openssl-passwd (1ssl) - compute password hashes
pam_localuser (8) - require users to be listed in /etc/passwd
passwd (1) - update user's authentication tokens
passwd (5) - password file
passwd2des (3) - RFS password encryption
pwhistory_helper (8) - Helper binary that transfers password hashes from pass...
saslpaswd2 (8) - set a user's sasl password
smbpasswd (5) - The Samba encrypted password file
sslpaswd (1ssl) - compute password hashes
userpasswd (1) - A graphical tool to allow users to change their passwo...
vncpasswd (1) - change the VNC password
[sorour@sorour etc]$
```

## 12.Display the man page of the passwd file.

```
Nov 22 2:34 PM
sorour@sorour/etc

[sorour@sorour etc]$ head -4 passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[sorour@sorour etc]$ tail -7 passwd
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:975:975:/run/gnome-initial-setup:/sbin/nologin
design:x:974:974:Group for the design signing daemon:/var/run/design:/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
sorour:x:1000:1000:SOROUR:/home/sorour:/bin/bash
[sorour@sorour etc]$ cd ..
[sorour@sorour ~]$ cd /home/sorour
[sorour@sorour ~]$ cd /etc/
[sorour@sorour etc]$ man passwd
[sorour@sorour etc]$ man -k passwd
chpasswd (8) - update group passwords in batch mode
chpasswd (8) - update passwords in batch mode
fgetpwent_r (3) - get passwd file entry reentrantly
getpwent_r (3) - get passwd file entry reentrantly
gpasswd (1) - administer /etc/group and /etc/gshadow
grub2-mkpasswd-pbkdf2 (1) - Generate a PBKDF2 password hash.
lpaswd (1) - Change group or user password
openssl-passwd (1ssl) - compute password hashes
pam_localuser (8) - require users to be listed in /etc/passwd
passwd (1) - update user's authentication tokens
passwd (5) - password file
passwd2des (3) - RFS password encryption
pwhistory_helper (8) - Helper binary that transfers password hashes from pass...
saslpaswd2 (8) - set a user's sasl password
smbpasswd (5) - The Samba encrypted password file
sslpaswd (1ssl) - compute password hashes
userpasswd (1) - A graphical tool to allow users to change their passwo...
vncpasswd (1) - change the VNC password
[sorour@sorour etc]$
```

## 13.Display a list of all the commands that contain the keyword passwd in their man page.

```
Nov 22 2:34 PM
sorour@sorour/etc

File Edit View Search Terminal Help
geoclue          os-release      UPower
glvnd            ostree          usb_modeswitch.conf
gnupg           PackageKit     vconsole.conf
GREP_COLORS     gpm            vimrc
gvfs            papersize      virc
group           passwd         vmware-tools
group-          passwd-        wgetrc
grub2-efi.cfg   grub2          wpa_supplicant
grub2           pinf           x11
gshadow         pinf           xattr.conf
gshadow-       pipewire       xdg
gss             pkcs11         xinetd.d
gssproxy        pk            xml
highlight       plymouth       yum
host.conf       ps             yum.conf
hostname        pnm2ppa.conf  yum.repos.d
hosts           polkit-1

[sorour@sorour etc]$ head -4 passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[sorour@sorour etc]$ tail -7 passwd
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
gdm:x:42:42:/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:975:975:/run/gnome-initial-setup:/sbin/nologin
pesign:x:974:974:Group for the pesign signing daemon:/var/run/pesign:/sbin/nologin
tcpdump:x:72:72:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
sorour:x:1000:1000:SOROUR:/home/sorour:/bin/bash

[sorour@sorour etc]$ cd ..
[sorour@sorour /]$ cd /home/sorour
[sorour@sorour ~]$ cd /etc/
[sorour@sorour etc]$ man passwd

[sorour@sorour etc]$ man -k passwd
chpasswd(8) - update group passwords in batch mode
chpasswd(8) - update passwords in batch mode
fgetpwent_r(3) - get passwd file entry reentrantly
getpwent_r(3) - get passwd file entry reentrantly
gpasswd(1) - administer /etc/group and /etc/gshadow
grub2-hkpasswd-pbkdf2(1) - Generate a PBKDF2 password hash.
lpaswd(1) - Change group or user password
openssl-passwd(1ssl) - compute password hashes
pam_localuser(8) - require users to be listed in /etc/passwd
passwd(1) - update user's authentication tokens
passwd(5) - password file
passwd2des(3) - RFS password encryption
pwhistory-helper(8) - Helper binary that transfers password hashes from pass...
saslpaswd2(8) - set a user's sasl password
smbpasswd(5) - The Samba encrypted password file
sslpaswd(1ssl) - compute password hashes
userpasswd(1) - A graphical tool to allow users to change their passwo...
vncpasswd(1) - change the VNC password

[sorour@sorour etc]$
```