Emori, Noboru  
CIS 045, Fall 2020

G08125504  
Lab 2  
2020/09/24

5. What kinds of files do you see under /usr/sbin?

Many executables with the \* mark  
sbin is mostly system binaries (executables)

6. I do not see the file with ls -l but do see it with ls -a

-rw-rw-r--. 1 cs45aa17 cs45aa17 139 Sep 25 00:23 .mydatafile

My account owns it (cs45aa17), and it’s 139 bytes (NOTE: I had already done this lab once so it already had the calendar)

21. I had to do

$ mkdir ../../../tmp/cs45aa17-tester

(added the tmp)

24. I could not create the directory since /tmp/dirz/dirz already existed. But if it didn’t, and /tmp/dirz never exited, then it would error out since

25. I could make the directory because -p option also made /tmp/dirR before making /tmp/dirR/dirS

Making the full structure within ~/homework took 3 minutes of mad typing

Full lab below. This had a cleaning script ran. Please Refer to CIS45\_Lab2Redo\_Emori\_Noboru\_raw if the cleaning script failed at parts:

Script started on Fri 25 Sep 2020 12:22:30 AM EDT

[cs45aa17@mc-redhat01 ~]$ cd /; ls -F;

bin@ dev/ home/ lib64@ mnt/ proc/ run/ srv/ tmp/ var/

boot/ etc/ lib@ media/ opt/ root/ sbin@ sys/ usr/

[cs45aa17@mc-redhat01 /]$ cd /etc; ls -F

abrt/ enscript.cfg krb5.conf passwd shadow-

adjtime environment krb5.conf.d/ passwd- shells

aliases ethertypes ksmtuned.conf pbm2ppa.conf skel/

aliases.db exports ld.so.cache pcp/ slp.conf

alsa/ exports.d/ ld.so.conf pcp.conf slp.reg

alternatives/ favicon.png@ ld.so.conf.d/ pcp.env slp.reg.d/

amanda/ fcoe/ libaudit.conf Pegasus/ slp.spi

anacrontab festival/ libblockdev/ pinforc smartmontools/

asound.conf filesystems libibverbs.d/ pkcs11/ snmp/

at.deny firefox/ libnl/ pki/ softhsm2.conf

audisp/ firewalld/ libpaper.d/ plymouth/ sos.conf

audit/ flatpak/ libreport/ pm/ sound/

autofs.conf fonts/ libuser.conf pnm2ppa.conf speech-dispatcher/

autofs\_ldap\_auth.conf fprintd.conf libvirt/ polkit-1/ ssh/

auto.master fstab locale.conf popt.d/ ssl/

auto.master.d/ fuse.conf localtime@ postfix/ sssd/

auto.misc fwupd/ login.defs ppp/ statetab

auto.net\* gconf/ logrotate.conf prelink.conf.d/ statetab.d/

auto.smb\* gcrypt/ logrotate.d/ printcap subgid

avahi/ gdbinit lsm/ profile subgid-

bash\_completion.d/ gdbinit.d/ lvm/ profile.d/ subuid

bashrc gdm/ machine-id protocols subuid-

binfmt.d/ geoclue/ machine-info pulse/ subversion/

bluetooth/ GeoIP.conf magic purple/ sudo.conf

bonobo-activation/ ghostscript/ mailcap python/ sudoers

brltty/ glvnd/ mail.rc qemu-ga/ sudoers.d/

brltty.conf gnome-vfs-2.0/ makedumpfile.conf.sample qemu-kvm/ sudo-ldap.conf

certmonger/ gnupg/ man\_db.conf radvd.conf sysconfig/

chkconfig.d/ GREP\_COLORS maven/ ras/ sysctl.conf

chrony.conf groff/ mcelog/ rc0.d@ sysctl.d/

chrony.keys group mime.types rc1.d@ systemd/

cifs-utils/ group- mke2fs.conf rc2.d@ system-release@

cockpit/ grub2.cfg@ modprobe.d/ rc3.d@ system-release-cpe

cron.d/ grub.d/ modules-load.d/ rc4.d@ target/

cron.daily/ gshadow motd rc5.d@ tcsd.conf

cron.deny gshadow- motd.d/ rc6.d@ terminfo/

cron.hourly/ gss/ mtab@ rc.d/ tmpfiles.d/

cron.monthly/ gssproxy/ mtools.conf rc.local@ tomcat/

crontab host.conf multipath/ rdma/ trusted-key.key

cron.weekly/ hostname my.cnf redhat-release tuned/

crypttab hosts my.cnf.d/ request-key.conf udev/

csh.cshrc hosts.allow nanorc request-key.d/ udisks2/

csh.login hosts.deny ndctl/ resolv.conf unbound/

cups/ hp/ netconfig rhsm/ updatedb.conf

cupshelpers/ httpd/ NetworkManager/ rpc UPower/

custodia/ idmapd.conf networks rpm/ usb\_modeswitch.conf

dbus-1/ ImageMagick-6/ nfs.conf rsyncd.conf vconsole.conf

dconf/ init.d@ nfsmount.conf rsyslog.conf vimrc

default/ inittab nsswitch.conf rsyslog.d/ virc

depmod.d/ inputrc nsswitch.conf.bak rwtab vmware-tools/

dhcp/ ipa/ ntp/ rwtab.d/ wgetrc

DIR\_COLORS iproute2/ ntp.conf samba/ wpa\_supplicant/

DIR\_COLORS.256color ipsec.conf numad.conf sane.d/ wvdial.conf

DIR\_COLORS.lightbgcolor ipsec.d/ oddjob/ sasl2/ X11/

dirsrv/ ipsec.secrets oddjobd.conf scl/ xdg/

dleyna-server-service.conf iscsi/ oddjobd.conf.d/ securetty xinetd.d/

dnf/ issue openldap/ security/ xml/

dnsmasq.conf issue.d/ openlmi/ selinux/ yum/

dnsmasq.d/ issue.net openwsman/ services yum.conf

docker/ java/ opt/ sestatus.conf yum.repos.d/

dracut.conf jvm/ os-release setroubleshoot/

dracut.conf.d/ jvm-commmon/ PackageKit/ setuptool.d/

e2fsck.conf kdump.conf pam.d/ sgml/

egl/ kernel/ papersize shadow

[cs45aa17@mc-redhat01 etc]$ ls -F | more

abrt/

adjtime

aliases

aliases.db

alsa/

alternatives/

amanda/

anacrontab

asound.conf

at.deny

audisp/

audit/

autofs.conf

autofs\_ldap\_auth.conf

auto.master

auto.master.d/

auto.misc

auto.net\*

auto.smb\*

avahi/

bash\_completion.d/

bashrc

binfmt.d/

bluetooth/

bonobo-activation/

brltty/

brltty.conf

certmonger/

chkconfig.d/

chrony.conf

chrony.keys

cifs-utils/

cockpit/

cron.d/

cron.daily/

cron.deny

cron.hourly/

cron.monthly/

crontab

cron.weekly/

crypttab

csh.cshrc

csh.login

cups/

cupshelpers/

custodia/

dbus-1/

dconf/

default/

depmod.d/

dhcp/

DIR\_COLORS

DIR\_COLORS.256color

DIR\_COLORS.lightbgcolor

dirsrv/

dleyna-server-service.conf

dnf/

dnsmasq.conf

dnsmasq.d/

docker/

dracut.conf

dracut.conf.d/

e2fsck.conf

egl/

enscript.cfg

environment

ethertypes

exports

exports.d/

favicon.png@

fcoe/

festival/

filesystems

firefox/

firewalld/

flatpak/

fonts/

fprintd.conf

fstab

fuse.conf

fwupd/

gconf/

gcrypt/

gdbinit

gdbinit.d/

gdm/

geoclue/

GeoIP.conf

ghostscript/

glvnd/

gnome-vfs-2.0/

gnupg/

GREP\_COLORS

groff/

group

group-

grub2.cfg@

grub.d/

gshadow-

gshadow-

gss/

gssproxy/

host.conf

hostname

hosts

hosts.allow

hosts.deny

hp/

httpd/

idmapd.conf

ImageMagick-6/

init.d@

inittab

inputrc

ipa/

iproute2/

ipsec.conf

ipsec.d/

ipsec.secrets

iscsi/

issue

issue.d/

issue.net

java/

jvm/

jvm-commmon/

kdump.conf

kernel/

krb5.conf

krb5.conf.d/

ksmtuned.conf

ld.so.cache

ld.so.conf

ld.so.conf.d/

libaudit.conf

libblockdev/

libibverbs.d/

libnl/

libpaper.d/

libreport/

libuser.conf

libvirt/

locale.conf

localtime@

login.defs

logrotate.conf

logrotate.d/

lsm/re--

lvm/

machine-id

machine-info

magic

mailcap

mail.rc

makedumpfile.conf.sample

man\_db.conf

maven/

mcelog/

mime.types

mke2fs.conf

modprobe.d/

modules-load.d/

motd

motd.d/

mtab@

mtools.conf

multipath/

my.cnf

my.cnf.d/

nanorc

ndctl/

netconfig

NetworkManager/

networks

nfs.conf

nfsmount.conf

nsswitch.conf

nsswitch.conf.bak

ntp/

ntp.conf

numad.conf

oddjob/

oddjobd.conf

oddjobd.conf.d/

openldap/

openlmi/

openwsman/

opt/

os-release

PackageKit/

pam.d/

papersize

passwd

passwd-

pbm2ppa.conf

pcp/

pcp.conf

pcp.env

Pegasus/

pinforc

pkcs11/

pki/

plymouth/

pm/

pnm2ppa.conf

polkit-1/

popt.d/

postfix/

ppp/

prelink.conf.d/

printcap

profile

profile.d/

protocols

pulse/

purple/

python/

qemu-ga/

qemu-kvm/

radvd.conf

ras/

rc0.d@

rc1.d@

rc2.d@

rc3.d@

rc4.d@

rc5.d@

rc6.d@

rc.d/

rc.local@

rdma/

redhat-release

request-key.conf

request-key.d/

resolv.conf

rhsm/

rpc

rpm/

rsyncd.conf

rsyslog.conf

rsyslog.d/

rwtab

rwtab.d/

samba/

sane.d/

sasl2/--

scl/

securetty

security/

selinux/

services

sestatus.conf

setroubleshoot/

setuptool.d/

sgml/

shadow

shadow-

shells

skel/

slp.conf

slp.reg

slp.reg.d/

slp.spi

smartmontools/

snmp/

softhsm2.conf

sos.conf

sound/

speech-dispatcher/

ssh/

ssl/

sssd/

statetab

statetab.d/

subgid

subgid-

subuid

subuid-

subversion/

sudo.conf

sudoers

sudoers.d/

sudo-ldap.conf

sysconfig/

sysctl.conf

sysctl.d/

systemd/

system-release@

system-release-cpe

target/

tcsd.conf

terminfo/

tmpfiles.d/

tomcat/

trusted-key.key

tuned/

udev/

udisks2/

unbound/

updatedb.conf

UPower/

usb\_modeswitch.conf

vconsole.conf

vimrc

virc

vmware-tools/

wgetrc

wpa\_supplicant/

wvdial.conf

X11/

xdg/

xinetd.d/

xml/

yum/

yum.conf

yum.repos.d/

[cs45aa17@mc-redhat01 etc]$ cd /var/log; ls -a

. cron-20200920 lastlog pcp speech-dispatcher vmware-vmsvc.log

.. cups libvirt pki spooler wpa\_supplicant.log

amanda custodia maillog pluto spooler-20200906 wtmp

anaconda dirsrv maillog-20200906 ppp spooler-20200913 Xorg.0.log

audit dmesg maillog-20200913 qemu-ga spooler-20200920 Xorg.0.log.old

boot.log dmesg.old maillog-20200920 rhsm sssd Xorg.9.log

boot.log-20200905 firewalld messages sa swtpm yum.log

btmp gdm messages-20200906 samba tallylog

chrony glusterfs messages-20200913 secure tomcat

cron grubby messages-20200920 secure-20200906 tuned

cron-20200906 grubby\_prune\_debug ntpstats secure-20200913 vmware-network.log

cron-20200913 httpd openlmi-install.log secure-20200920 vmware-vgauthsvc.log.0

[cs45aa17@mc-redhat01 log]$ ls -al

total 304768

drwxr-xr-x. 27 root root 4096 Sep 20 03:50 .

drwxr-xr-x. 23 root root 4096 Sep 3 23:10 ..

drwx--S---. 2 amandabackup disk 6 Jun 19 2018 amanda

drwxr-xr-x. 2 root root 232 Sep 3 22:34 anaconda

drwx------. 2 root root 99 Sep 24 21:18 audit

-rw-------. 1 root root 0 Sep 5 03:12 boot.log

-rw-------. 1 root root 95558 Sep 5 03:12 boot.log-20200905

-rw-------. 1 root utmp 137233920 Sep 25 00:23 btmp

drwxr-xr-x. 2 chrony chrony 6 Jan 10 2019 chrony

-rw-------. 1 root root 109475 Sep 25 00:20 cron

-rw-------. 1 root root 48913 Sep 6 03:38 cron-20200906

-rw-------. 1 root root 158261 Sep 13 03:21 cron-20200913

-rw-------. 1 root root 158508 Sep 20 03:50 cron-20200920

drwxr-xr-x. 2 lp sys 84 Sep 6 03:38 cups

drwx------. 2 root root 6 Jun 21 2017 custodia

drwxr-xr-x. 2 root root 6 Jun 15 10:06 dirsrv

-rw-r--r--. 1 root root 105292 Sep 3 23:53 dmesg

-rw-r--r--. 1 root root 104770 Sep 3 23:50 dmesg.old

-rw-r-----. 1 root root 186 Sep 3 23:53 firewalld

drwx--x--x. 2 root gdm 122 Sep 4 03:44 gdm

drwxr-xr-x. 2 root root 6 Jan 23 2020 glusterfs

-rw-------. 1 root root 1360 Sep 3 23:51 grubby

-rw-r--r--. 1 root root 193 Sep 3 22:27 grubby\_prune\_debug

drwx------. 2 root root 6 Oct 8 2019 httpd

-rw-r--r--. 1 root root 306016 Sep 25 00:13 lastlog

drwx------. 3 root root 18 Mar 23 2020 libvirt

-rw-------. 1 root root 1233 Sep 20 16:03 maillog

-rw-------. 1 root root 3412 Sep 5 14:09 maillog-20200906

-rw-------. 1 root root 8013 Sep 12 15:39 maillog-20200913

-rw-------. 1 root root 7568 Sep 19 15:07 maillog-20200920

-rw-------. 1 root root 236835 Sep 25 00:22 messages

-rw-------. 1 root root 518233 Sep 6 03:38 messages-20200906

-rw-------. 1 root root 362439 Sep 13 03:20 messages-20200913

-rw-------. 1 root root 336317 Sep 20 03:50 messages-20200920

drwxr-xr-x. 2 ntp ntp 6 Jun 1 07:18 ntpstats

-rw-r--r--. 1 root root 25848 Sep 3 22:30 openlmi-install.log

drwxrwxr-x. 6 pcp pcp 61 Sep 3 23:51 pcp

drwxr-xr-x. 2 root root 44 Sep 3 22:28 pki

drwxr-xr-x. 3 root root 18 Sep 3 22:28 pluto

drwx------. 2 root root 6 Feb 25 2020 ppp

drwxr-xr-x. 2 root root 6 Dec 12 2018 qemu-ga

drwxr-xr-x. 2 root root 208 Sep 20 03:50 rhsm

drwxr-xr-x. 2 root root 4096 Sep 25 00:00 sa

drwx------. 3 root root 17 Apr 1 03:15 samba

-rw-------. 1 root root 39413322 Sep 25 00:23 secure

-rw-------. 1 root root 14396729 Sep 6 03:37 secure-20200906

-rw-------. 1 root root 55232569 Sep 13 03:20 secure-20200913

-rw-------. 1 root root 61717068 Sep 20 03:50 secure-20200920

drwx------. 2 root root 6 Jan 27 2014 speech-dispatcher

-rw-------. 1 root root 0 Sep 20 03:50 spooler

-rw-------. 1 root root 0 Sep 3 22:30 spooler-20200906

-rw-------. 1 root root 0 Sep 6 03:38 spooler-20200913

-rw-------. 1 root root 0 Sep 13 03:21 spooler-20200920

drwxr-x---. 2 sssd sssd 47 Sep 6 03:38 sssd

drwxr-xr-x. 3 root root 21 Sep 3 22:29 swtpm

-rw-------. 1 root root 67072 Sep 19 01:58 tallylog

drwxrwx---. 2 tomcat root 122 Sep 20 03:50 tomcat

drwxr-xr-x. 2 root root 23 Sep 3 23:10 tuned

-rw-------. 1 root root 4606 Sep 3 23:10 vmware-network.log

-rw-------. 1 root root 3064 Sep 3 23:53 vmware-vgauthsvc.log.0

-rw-------. 1 root root 4047 Sep 4 03:53 vmware-vmsvc.log

-rw-r--r--. 1 root root 80 Sep 3 23:54 wpa\_supplicant.log

-rw-rw-r--. 1 root utmp 336768 Sep 25 00:22 wtmp

-rw-r--r--. 1 root root 27573 Sep 4 03:44 Xorg.0.log

-rw-r--r--. 1 root root 46310 Sep 4 03:44 Xorg.0.log.old

-rw-r--r--. 1 root root 19698 Sep 3 23:22 Xorg.9.log

-rw-------. 1 root root 12465 Sep 20 16:04 yum.log

[cs45aa17@mc-redhat01 log]$ ls -al | more

total 304768

drwxr-xr-x. 27 root root 4096 Sep 20 03:50 .

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drwxr-xr-x. 2 root root 6 Jan 23 2020 glusterfs

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-rw-r--r--. 1 root root 193 Sep 3 22:27 grubby\_prune\_debug

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drwx------. 3 root root 18 Mar 23 2020 libvirt

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-rw-------. 1 root root 3412 Sep 5 14:09 maillog-20200906

-rw-------. 1 root root 8013 Sep 12 15:39 maillog-20200913

-rw-------. 1 root root 7568 Sep 19 15:07 maillog-20200920

-rw-------. 1 root root 236835 Sep 25 00:22 messages

-rw-------. 1 root root 518233 Sep 6 03:38 messages-20200906

-rw-------. 1 root root 362439 Sep 13 03:20 messages-20200913

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drwxrwxr-x. 6 pcp pcp 61 Sep 3 23:51 pcp

drwxr-xr-x. 2 root root 44 Sep 3 22:28 pki

drwxr-xr-x. 3 root root 18 Sep 3 22:28 pluto

drwx------. 2 root root 6 Feb 25 2020 ppp

drwxr-xr-x. 2 root root 6 Dec 12 2018 qemu-ga

drwxr-xr-x. 2 root root 208 Sep 20 03:50 rhsm

drwxr-xr-x. 2 root root 4096 Sep 25 00:00 sa

drwx------. 3 root root 17 Apr 1 03:15 samba

-rw-------. 1 root root 39413628 Sep 25 00:23 secure

-rw-------. 1 root root 14396729 Sep 6 03:37 secure-20200906

-rw-------. 1 root root 55232569 Sep 13 03:20 secure-20200913

-rw-------. 1 root root 61717068 Sep 20 03:50 secure-20200920

drwx------. 2 root root 6 Jan 27 2014 speech-dispatcher

-rw-------. 1 root root 0 Sep 20 03:50 spooler

-rw-------. 1 root root 0 Sep 3 22:30 spooler-20200906

-rw-------. 1 root root 0 Sep 6 03:38 spooler-20200913

-rw-------. 1 root root 0 Sep 13 03:21 spooler-20200920

drwxr-x---. 2 sssd sssd 47 Sep 6 03:38 sssd

drwxr-xr-x. 3 root root 21 Sep 3 22:29 swtpm

-rw-------. 1 root root 67072 Sep 19 01:58 tallylog

drwxrwx---. 2 tomcat root 122 Sep 20 03:50 tomcat

drwxr-xr-x. 2 root root 23 Sep 3 23:10 tuned

-rw-------. 1 root root 4606 Sep 3 23:10 vmware-network.log

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-rw-------. 1 root root 4047 Sep 4 03:53 vmware-vmsvc.log

-rw-r--r--. 1 root root 80 Sep 3 23:54 wpa\_supplicant.log

-rw-rw-r--. 1 root utmp 336768 Sep 25 00:22 wtmp

-rw-r--r--. 1 root root 27573 Sep 4 03:44 Xorg.0.log

-rw-r--r--. 1 root root 46310 Sep 4 03:44 Xorg.0.log.old

-rw-r--r--. 1 root root 19698 Sep 3 23:22 Xorg.9.log

-rw-------. 1 root root 12465 Sep 20 16:04 yum.log

[cs45aa17@mc-redhat01 log]$ ls /usr/sbin

abrt-auto-reporting exportfs lvm rpc.rquotad

abrt-configuration faillock lvmconf rpc.statd

abrtd fatlabel lvmconfig rsyslogd

abrt-dbus fcgistarter lvmdiskscan rtacct

abrt-harvest-pstoreoops fcnsq lvmdump rtcwake

abrt-harvest-vmcore fcoeadm lvmetad rtkitctl

abrt-install-ccpp-hook fcoemon lvmpolld rtmon

abrt-server fcping lvmsadc rtpr

accept fcrls lvmsar rtstat

accessdb fdformat lvreduce runlevel

accton fdisk lvremove runuser

activate-devpay filefrag lvrename sa

addgnupghome findfs lvresize safe\_finger

addpart fipvlan lvs saned

adduser firewalld lvscan saslauthd

agetty firstboot makedumpfile sasldblistusers2

alsabat-test.sh fixfiles matchpathcon saslpasswd2

alsactl fixparts mcelog saveconfig

alsa-info fixup-linkedattrs.pl mdadm schema-reload.pl

alsa-info.sh fixup-memberof.pl mdmon scsieject

alternatives fsadm migrate-ds.pl scsitape

amaddclient fsck mii-diag sedispatch

amadmin fsck.btrfs mii-tool sefcontext\_compile

amaespipe fsck.cramfs mkdict selabel\_digest

amandad fsck.ext2 mkdosfs selabel\_lookup

amarchiver fsck.ext3 mkdumprd selabel\_lookup\_best\_match

amcheck fsck.ext4 mke2fs selabel\_partial\_match

amcheckdb fsck.fat mkfs selinuxconlist

amcheckdump fsck.minix mkfs.btrfs selinuxdefcon

amcleanup fsck.msdos mkfs.cramfs selinuxenabled

amcleanupdisk fsck.vfat mkfs.ext2 selinuxexeccon

amcrypt fsck.xfs mkfs.ext3 selinux\_restorecon

amcrypt-ossl fsfreeze mkfs.ext4 semanage

amcrypt-ossl-asym fstrim mkfs.fat semodule

amcryptsimple fuser mkfs.minix sendmail

amdevcheck fxload mkfs.msdos sendmail.postfix

amdump gdisk mkfs.vfat service

amfetchdump gdm mkfs.xfs sestatus

amflush gencert mkhomedir\_helper setcap

amgetconf genhomedircon mklost+found setenforce

amgpgcrypt genhostid mkswap setfiles

amlabel genl ModemManager setpci

amoverview genl-ctrl-list modinfo setquota

amplot getcap modprobe setregdomain

amreport getenforce monitor setroubleshootd

amrestore getpcaps mount.cifs setsebool

amrmtape getsebool mount.fuse setup

amserverconfig glibc\_post\_upgrade.x86\_64 mount.nfs setup-ds.pl

amservice gluster mount.nfs4 sfdisk

amstatus groupadd mountstats sgdisk

amtape groupdel mpathconf sgpio

amtapetype groupmems mpathpersist showmount

amtoc groupmod mtr shutdown

amvault grpck mtx skdump

anaconda grpconv multipath sktest

anacron grpunconv multipathd slattach

apachectl grub2-bios-setup nameif sln

applygnupgdefaults grub2-get-kernel-settings netreport slpd

arp grub2-install netscsid smartctl

arpd grub2-macbless NetworkManager smartd

arping grub2-mkconfig new-kernel-pkg smbd

atd grub2-ofpathname newusers sm-notify

atrun grub2-probe nfsdcltrack smtp-sink

audispd grub2-reboot nfsidmap smtp-source

auditctl grub2-rpm-sort nfsiostat snmpd

auditd grub2-set-default nfsstat snmptrapd

augenrules grub2-setpassword nisserver-plugin-defs sosreport

aureport grub2-sparc64-setup nl-class-add spacewalk-channel

ausearch grubby nl-class-delete spice-vdagentd

authconfig gssproxy nl-classid-lookup ss

authconfig-tui halt nl-class-list sserver

automount handle-sshpw nl-cls-add sshd

autrace hardlink nl-cls-delete sshd-keygen

avahi-daemon htcacheclean nl-cls-list sss\_cache

avcstat httpd nl-link-list sssd

badblocks hwclock nl-pktloc-lookup start-dirsrv

bak2db hwloc-dump-hwdata nl-qdisc-add start-statd

bak2db.pl hypervfcopyd nl-qdisc-delete status-dirsrv

biosdecode hypervkvpd nl-qdisc-list stinit

biosdevname hypervvssd nmbd stop-dirsrv

blkdeactivate iconvconfig nologin subscription-manager

blkdiscard iconvconfig.x86\_64 ns-accountstatus.pl subscription-manager-gui

blkid ifcfg ns-activate.pl suexec

blkmapd ifconfig ns-inactivate.pl suffix2instance

blockdev ifdown ns-newpwpolicy.pl sulogin

bonobo-activation-sysconf ifenslave ns-slapd sushell

bpftool ifstat nss\_pcache swaplabel

brctl ifup nstat swapoff

bridge init ntpd swapon

btrfs insmod ntpdate switch\_root

btrfsck install-info ntpdc syntax-validate.pl

btrfs-convert installkernel ntp-keygen sysctl

btrfs-debug-tree intel-microcode2ucode ntpq syspurpose

btrfs-find-root iotop ntptime sys-unconfig

btrfs-image ip ntsysv tapeinfo

btrfs-map-logical ip6tables oddjobd tc

btrfs-select-super ip6tables-restore osd\_login tcpd

btrfstune ip6tables-save ownership tcpdmatch

btrfs-zero-log ipa-advise packer tcpdump

build-locale-archive ipa-backup pam\_console\_apply tcpslice

cacertdir\_rehash ipa-cacert-manage pam\_tally2 tcsd

cache\_check ipa-ca-install pam\_timestamp\_check telinit

cache\_dump ipa-cert-fix paperconfig testsaslauthd

cache\_metadata\_size ipa-certupdate parted thin\_check

cache\_repair ipa-client-automount partprobe thin\_delta

cache\_restore ipa-client-install partx thin\_dump

cache\_writeback ipa-compat-manage pdata\_tools thin\_ls

capsh ipa-crlgen-manage pethtool thin\_metadata\_size

cbq ipa-csreplica-manage pidof thin\_repair

certmonger ipactl pifconfig thin\_restore

cfdisk ipa-getkeytab ping6 thin\_rmap

cgdisk ipa-join pivot\_root thin\_trim

chat ipa-kra-install pkidestroy tickadj

chcpu ipa-ldap-updater pki-server tomcat

chgpasswd ipa-managed-entries pki-server-nuxwdog tracepath

chkconfig ipa-nis-manage pki-server-upgrade tracepath6

chpasswd ipa-otptoken-import pkispawn try-from

chronyd ipa-pkinit-manage pki-upgrade tune2fs

chroot ipa-replica-conncheck plipconfig tuned

cifs.idmap ipa-replica-install pluginviewer tuned-adm

cifs.upcall ipa-replica-manage plymouthd udevadm

cimauth ipa-replica-prepare plymouth-set-default-theme umount.nfs

cimconfig ipa-restore pm-hibernate umount.nfs4

cimprovagt ipa-rmkeytab pm-powersave umount.udisks2

cimreparchive ipa-server-certinstall pm-suspend unbound-anchor

cimserver ipa-server-install pm-suspend-hybrid unix\_chkpwd

cimtrust ipa-server-upgrade pm-utils-bugreport-info.sh unix\_update

cleanallruv.pl ipa-winsync-migrate postalias update-alternatives

clock ipmaddr postcat update-pciids

clockdiff iprconfig postconf update-smart-drivedb

consoletype iprdbg postdrop upgradedb

convertquota iprdump postfix upgradednformat

cracklib-check iprinit postkick usb\_modeswitch

cracklib-format iprsos postlock usb\_modeswitch\_dispatcher

cracklib-packer iprupdate postlog usbmuxd

cracklib-unpacker ipsec postmap useradd

crda ipset postmulti userdel

create-cracklib-dict iptables postqueue userhelper

crond iptables-restore postsuper usermod

cryptsetup iptables-save poweroff usernetctl

ctrlaltdel iptunnel powertop usn-tombstone-cleanup.pl

ctstat irqbalance pppd vdptool

cupsaccept iscsiadm pppdump verify-db.pl

cupsaddsmb iscsid pppoe-discovery vgcfgbackup

cups-browsed iscsi-iname pppstats vgcfgrestore

cupsctl iscsistart ppp-watch vgchange

cupsd iscsiuio pvchange vgck

cupsdisable iw pvck vgconvert

cupsenable kadmind pvcreate vgcreate

cupsfilter \_kadmind pvdisplay vgdisplay

cups-genppd.5.2 kadmin.local pvmove vgexport

cups-genppdupdate kdb5\_util pvremove vgextend

cupsreject kexec pvresize vgimport

custodia key.dns\_resolver pvs vgimportclone

db2bak killall5 pvscan vgmerge

db2bak.pl kpartx pwck vgmknodes

db2index kpatch pwconv vgreduce

db2index.pl kprop pwhistory\_helper vgremove

db2ldif kpropd pwunconv vgrename

db2ldif.pl \_kpropd quot vgs

dbmon.sh kproplog quotacheck vgscan

dbverify krb5kdc quotaoff vgsplit

dcbtool ksmtuned quotaon vigr

debugfs latencytop quotastats vipw

delpart latencytop-tui radvd virtlockd

depmod lchage radvdump virtlogd

devlink ldattach raid-check virt-what

dhclient ldconfig rasdaemon visudo

dhclient-script ldif2db ras-mc-ctl vlvindex

dm\_dso\_reg\_tool ldif2db.pl rdisc vmcore-dmesg

dmeventd ldif2ldap rdma vpddecode

dmevent\_tool ledctl rdma-ndd weak-modules

dmfilemapd ledmon readprofile wipefs

dmidecode lgroupadd realm wpa\_cli

dmraid lgroupdel reboot wpa\_passphrase

dmraid.static lgroupmod regdbdump wpa\_supplicant

dmsetup libvirtd reject xfs\_admin

dmstats lid remotectl xfs\_bmap

dn2rdn liveinst remove-ds.pl xfs\_copy

dnsmasq lldpad repquota xfs\_db

dosfsck lldptool repupgrade xfsdump

dosfslabel lnewusers request-key xfs\_estimate

dracut lnstat resize2fs xfs\_freeze

ds\_selinux\_enabled loaderinfo resizepart xfs\_fsr

ds\_selinux\_port\_query load\_policy restart-dirsrv xfs\_growfs

ds\_systemd\_ask\_password\_acl lockdev restorecon xfs\_info

dump-acct logrotate restoreconfig xfsinvutil

dumpe2fs logsave rfkill xfs\_io

dump-utmp losetup rhn-channel xfs\_logprint

e2freefrag lpadmin rhn\_check xfs\_mdrestore

e2fsck lpasswd rhn-profile-sync xfs\_metadump

e2image lpc rhn\_register xfs\_mkfile

e2label lpc.cups rhnreg\_ks xfs\_ncheck

e2undo lpinfo rhnsd xfs\_quota

e4defrag lpmove rmmod xfs\_repair

eapol\_test lshw rngd xfsrestore

ebtables lsmod rotatelogs xfs\_rtcp

ebtables-restore lsof route xqmstats

ebtables-save lspci routef xtables-multi

edquota luseradd routel yum-complete-transaction

era\_check luserdel rpcbind yumdb

era\_dump lusermod rpcdebug zdump

era\_invalidate lvchange rpc.gssd zic

era\_restore lvconvert rpc.idmapd zramctl

ether-wake lvcreate rpcinfo

ethtool lvdisplay rpc.mountd

eventlogadm lvextend rpc.nfsd

[cs45aa17@mc-redhat01 log]$ ls -F /usr/sbin

abrt-auto-reporting\* exportfs\* lvm\* rpc.rquotad\*

abrt-configuration\* faillock\* lvmconf\* rpc.statd\*

abrtd\* fatlabel\* lvmconfig@ rsyslogd\*

abrt-dbus\* fcgistarter\* lvmdiskscan@ rtacct\*

abrt-harvest-pstoreoops\* fcnsq\* lvmdump\* rtcwake\*

abrt-harvest-vmcore\* fcoeadm\* lvmetad\* rtkitctl\*

abrt-install-ccpp-hook\* fcoemon\* lvmpolld\* rtmon\*

abrt-server\* fcping\* lvmsadc@ rtpr\*

accept@ fcrls\* lvmsar@ rtstat@

accessdb\* fdformat\* lvreduce@ runlevel@

accton\* fdisk\* lvremove@ runuser\*

activate-devpay\* filefrag\* lvrename@ sa\*

addgnupghome\* findfs\* lvresize@ safe\_finger\*

addpart\* fipvlan\* lvs@ saned\*

adduser@ firewalld\* lvscan@ saslauthd\*

agetty\* firstboot\* makedumpfile\* sasldblistusers2\*

alsabat-test.sh\* fixfiles\* matchpathcon\* saslpasswd2\*

alsactl\* fixparts\* mcelog\* saveconfig\*

alsa-info\* fixup-linkedattrs.pl\* mdadm\* schema-reload.pl\*

alsa-info.sh@ fixup-memberof.pl\* mdmon\* scsieject\*

alternatives\* fsadm\* migrate-ds.pl\* scsitape\*

amaddclient\* fsck\* mii-diag\* sedispatch\*

amadmin\* fsck.btrfs\* mii-tool\* sefcontext\_compile\*

amaespipe\* fsck.cramfs\* mkdict@ selabel\_digest\*

amandad@ fsck.ext2\* mkdosfs@ selabel\_lookup\*

amarchiver\* fsck.ext3\* mkdumprd\* selabel\_lookup\_best\_match\*

amcheck\* fsck.ext4\* mke2fs\* selabel\_partial\_match\*

amcheckdb\* fsck.fat\* mkfs\* selinuxconlist\*

amcheckdump\* fsck.minix\* mkfs.btrfs\* selinuxdefcon\*

amcleanup\* fsck.msdos@ mkfs.cramfs\* selinuxenabled\*

amcleanupdisk\* fsck.vfat@ mkfs.ext2\* selinuxexeccon\*

amcrypt\* fsck.xfs\* mkfs.ext3\* selinux\_restorecon\*

amcrypt-ossl\* fsfreeze\* mkfs.ext4\* semanage\*

amcrypt-ossl-asym\* fstrim\* mkfs.fat\* semodule\*

amcryptsimple\* fuser\* mkfs.minix\* sendmail@

amdevcheck\* fxload\* mkfs.msdos@ sendmail.postfix\*

amdump\* gdisk\* mkfs.vfat@ service\*

amfetchdump\* gdm\* mkfs.xfs\* sestatus\*

amflush\* gencert\* mkhomedir\_helper\* setcap\*

amgetconf\* genhomedircon@ mklost+found\* setenforce\*

amgpgcrypt\* genhostid\* mkswap\* setfiles\*

amlabel\* genl\* ModemManager\* setpci\*

amoverview\* genl-ctrl-list\* modinfo@ setquota\*

amplot\* getcap\* modprobe@ setregdomain\*

amreport\* getenforce\* monitor\* setroubleshootd\*

amrestore\* getpcaps\* mount.cifs\* setsebool\*

amrmtape\* getsebool\* mount.fuse\* setup\*

amserverconfig\* glibc\_post\_upgrade.x86\_64\* mount.nfs\* setup-ds.pl\*

amservice\* gluster\* mount.nfs4@ sfdisk\*

amstatus\* groupadd\* mountstats\* sgdisk\*

amtape\* groupdel\* mpathconf\* sgpio\*

amtapetype\* groupmems\* mpathpersist\* showmount\*

amtoc\* groupmod\* mtr\* shutdown@

amvault\* grpck\* mtx\* skdump\*

anaconda\* grpconv\* multipath\* sktest\*

anacron\* grpunconv\* multipathd\* slattach\*

apachectl\* grub2-bios-setup\* nameif\* sln\*

applygnupgdefaults\* grub2-get-kernel-settings\* netreport\* slpd\*

arp\* grub2-install\* netscsid\* smartctl\*

arpd\* grub2-macbless\* NetworkManager\* smartd\*

arping\* grub2-mkconfig\* new-kernel-pkg\* smbd\*

atd\* grub2-ofpathname\* newusers\* sm-notify\*

atrun\* grub2-probe\* nfsdcltrack\* smtp-sink\*

audispd\* grub2-reboot\* nfsidmap\* smtp-source\*

auditctl\* grub2-rpm-sort\* nfsiostat\* snmpd\*

auditd\* grub2-set-default\* nfsstat\* snmptrapd\*

augenrules\* grub2-setpassword\* nisserver-plugin-defs\* sosreport\*

aureport\* grub2-sparc64-setup\* nl-class-add\* spacewalk-channel\*

ausearch\* grubby\* nl-class-delete\* spice-vdagentd\*

authconfig@ gssproxy\* nl-classid-lookup\* ss\*

authconfig-tui@ halt@ nl-class-list\* sserver\*

automount\* handle-sshpw\* nl-cls-add\* sshd\*

autrace\* hardlink\* nl-cls-delete\* sshd-keygen\*

avahi-daemon\* htcacheclean\* nl-cls-list\* sss\_cache\*

avcstat\* httpd\* nl-link-list\* sssd\*

badblocks\* hwclock\* nl-pktloc-lookup\* start-dirsrv\*

bak2db\* hwloc-dump-hwdata\* nl-qdisc-add\* start-statd\*

bak2db.pl\* hypervfcopyd\* nl-qdisc-delete\* status-dirsrv\*

biosdecode\* hypervkvpd\* nl-qdisc-list\* stinit\*

biosdevname\* hypervvssd\* nmbd\* stop-dirsrv\*

blkdeactivate\* iconvconfig\* nologin\* subscription-manager\*

blkdiscard\* iconvconfig.x86\_64\* ns-accountstatus.pl\* subscription-manager-gui\*

blkid\* ifcfg\* ns-activate.pl\* suexec\*

blkmapd\* ifconfig\* ns-inactivate.pl\* suffix2instance\*

blockdev\* ifdown\* ns-newpwpolicy.pl\* sulogin\*

bonobo-activation-sysconf\* ifenslave\* ns-slapd\* sushell\*

bpftool\* ifstat\* nss\_pcache@ swaplabel\*

brctl\* ifup\* nstat\* swapoff\*

bridge\* init@ ntpd\* swapon\*

btrfs\* insmod@ ntpdate\* switch\_root\*

btrfsck@ install-info\* ntpdc\* syntax-validate.pl\*

btrfs-convert\* installkernel\* ntp-keygen\* sysctl\*

btrfs-debug-tree\* intel-microcode2ucode\* ntpq\* syspurpose\*

btrfs-find-root\* iotop\* ntptime\* sys-unconfig\*

btrfs-image\* ip\* ntsysv\* tapeinfo\*

btrfs-map-logical\* ip6tables@ oddjobd\* tc\*

btrfs-select-super\* ip6tables-restore@ osd\_login\* tcpd\*

btrfstune\* ip6tables-save@ ownership\* tcpdmatch\*

btrfs-zero-log\* ipa-advise\* packer@ tcpdump\*

build-locale-archive\* ipa-backup\* pam\_console\_apply\* tcpslice\*

cacertdir\_rehash\* ipa-cacert-manage\* pam\_tally2\* tcsd\*

cache\_check@ ipa-ca-install\* pam\_timestamp\_check\* telinit@

cache\_dump@ ipa-cert-fix\* paperconfig\* testsaslauthd\*

cache\_metadata\_size@ ipa-certupdate\* parted\* thin\_check@

cache\_repair@ ipa-client-automount\* partprobe\* thin\_delta@

cache\_restore@ ipa-client-install\* partx\* thin\_dump@

cache\_writeback@ ipa-compat-manage\* pdata\_tools\* thin\_ls@

capsh\* ipa-crlgen-manage\* pethtool\* thin\_metadata\_size@

cbq\* ipa-csreplica-manage\* pidof@ thin\_repair@

certmonger\* ipactl\* pifconfig\* thin\_restore@

cfdisk\* ipa-getkeytab\* ping6@ thin\_rmap@

cgdisk\* ipa-join\* pivot\_root\* thin\_trim@

chat\* ipa-kra-install\* pkidestroy\* tickadj\*

chcpu\* ipa-ldap-updater\* pki-server\* tomcat\*

chgpasswd\* ipa-managed-entries\* pki-server-nuxwdog\* tracepath@

chkconfig\* ipa-nis-manage\* pki-server-upgrade\* tracepath6@

chpasswd\* ipa-otptoken-import\* pkispawn\* try-from\*

chronyd\* ipa-pkinit-manage\* pki-upgrade\* tune2fs\*

chroot\* ipa-replica-conncheck\* plipconfig\* tuned\*

cifs.idmap\* ipa-replica-install\* pluginviewer\* tuned-adm\*

cifs.upcall\* ipa-replica-manage\* plymouthd\* udevadm@

cimauth\* ipa-replica-prepare\* plymouth-set-default-theme\* umount.nfs@

cimconfig\* ipa-restore\* pm-hibernate@ umount.nfs4@

cimprovagt\* ipa-rmkeytab\* pm-powersave\* umount.udisks2\*

cimreparchive\* ipa-server-certinstall\* pm-suspend@ unbound-anchor\*

cimserver\* ipa-server-install\* pm-suspend-hybrid@ unix\_chkpwd\*

cimtrust\* ipa-server-upgrade\* pm-utils-bugreport-info.sh\* unix\_update\*

cleanallruv.pl\* ipa-winsync-migrate\* postalias\* update-alternatives@

clock@ ipmaddr\* postcat\* update-pciids\*

clockdiff\* iprconfig\* postconf\* update-smart-drivedb\*

consoletype\* iprdbg\* postdrop\* upgradedb\*

convertquota\* iprdump\* postfix\* upgradednformat\*

cracklib-check\* iprinit\* postkick\* usb\_modeswitch\*

cracklib-format\* iprsos\* postlock\* usb\_modeswitch\_dispatcher\*

cracklib-packer\* iprupdate\* postlog\* usbmuxd\*

cracklib-unpacker\* ipsec\* postmap\* useradd\*

crda\* ipset\* postmulti\* userdel\*

create-cracklib-dict\* iptables@ postqueue\* userhelper\*

crond\* iptables-restore@ postsuper\* usermod\*

cryptsetup\* iptables-save@ poweroff@ usernetctl\*

ctrlaltdel\* iptunnel\* powertop\* usn-tombstone-cleanup.pl\*

ctstat@ irqbalance\* pppd\* vdptool\*

cupsaccept\* iscsiadm\* pppdump\* verify-db.pl\*

cupsaddsmb\* iscsid\* pppoe-discovery\* vgcfgbackup@

cups-browsed\* iscsi-iname\* pppstats\* vgcfgrestore@

cupsctl\* iscsistart\* ppp-watch\* vgchange@

cupsd\* iscsiuio\* pvchange@ vgck@

cupsdisable@ iw\* pvck@ vgconvert@

cupsenable@ kadmind\* pvcreate@ vgcreate@

cupsfilter\* \_kadmind\* pvdisplay@ vgdisplay@

cups-genppd.5.2\* kadmin.local\* pvmove@ vgexport@

cups-genppdupdate\* kdb5\_util\* pvremove@ vgextend@

cupsreject@ kexec\* pvresize@ vgimport@

custodia\* key.dns\_resolver\* pvs@ vgimportclone@

db2bak\* killall5\* pvscan@ vgmerge@

db2bak.pl\* kpartx\* pwck\* vgmknodes@

db2index\* kpatch\* pwconv\* vgreduce@

db2index.pl\* kprop\* pwhistory\_helper\* vgremove@

db2ldif\* kpropd\* pwunconv\* vgrename@

db2ldif.pl\* \_kpropd\* quot\* vgs@

dbmon.sh\* kproplog\* quotacheck\* vgscan@

dbverify\* krb5kdc\* quotaoff@ vgsplit@

dcbtool\* ksmtuned\* quotaon\* vigr@

debugfs\* latencytop\* quotastats\* vipw\*

delpart\* latencytop-tui\* radvd\* virtlockd\*

depmod@ lchage\* radvdump\* virtlogd\*

devlink\* ldattach\* raid-check\* virt-what\*

dhclient\* ldconfig\* rasdaemon\* visudo\*

dhclient-script\* ldif2db\* ras-mc-ctl\* vlvindex\*

dm\_dso\_reg\_tool\* ldif2db.pl\* rdisc\* vmcore-dmesg\*

dmeventd\* ldif2ldap\* rdma\* vpddecode\*

dmevent\_tool\* ledctl\* rdma-ndd\* weak-modules\*

dmfilemapd\* ledmon\* readprofile\* wipefs\*

dmidecode\* lgroupadd\* realm\* wpa\_cli\*

dmraid\* lgroupdel\* reboot@ wpa\_passphrase\*

dmraid.static@ lgroupmod\* regdbdump\* wpa\_supplicant\*

dmsetup\* libvirtd\* reject@ xfs\_admin\*

dmstats@ lid\* remotectl\* xfs\_bmap\*

dn2rdn\* liveinst\* remove-ds.pl\* xfs\_copy\*

dnsmasq\* lldpad\* repquota\* xfs\_db\*

dosfsck@ lldptool\* repupgrade\* xfsdump\*

dosfslabel@ lnewusers\* request-key\* xfs\_estimate\*

dracut@ lnstat\* resize2fs\* xfs\_freeze\*

ds\_selinux\_enabled\* loaderinfo\* resizepart\* xfs\_fsr\*

ds\_selinux\_port\_query\* load\_policy\* restart-dirsrv\* xfs\_growfs\*

ds\_systemd\_ask\_password\_acl\* lockdev\* restorecon@ xfs\_info\*

dump-acct\* logrotate\* restoreconfig\* xfsinvutil\*

dumpe2fs\* logsave\* rfkill\* xfs\_io\*

dump-utmp\* losetup\* rhn-channel@ xfs\_logprint\*

e2freefrag\* lpadmin\* rhn\_check\* xfs\_mdrestore\*

e2fsck\* lpasswd\* rhn-profile-sync\* xfs\_metadump\*

e2image\* lpc@ rhn\_register\* xfs\_mkfile\*

e2label\* lpc.cups\* rhnreg\_ks\* xfs\_ncheck\*

e2undo\* lpinfo\* rhnsd\* xfs\_quota\*

e4defrag\* lpmove\* rmmod@ xfs\_repair\*

eapol\_test\* lshw\* rngd\* xfsrestore\*

ebtables\* lsmod@ rotatelogs\* xfs\_rtcp\*

ebtables-restore\* lsof\* route\* xqmstats\*

ebtables-save\* lspci\* routef\* xtables-multi\*

edquota\* luseradd\* routel\* yum-complete-transaction\*

era\_check@ luserdel\* rpcbind\* yumdb\*

era\_dump@ lusermod\* rpcdebug\* zdump\*

era\_invalidate@ lvchange@ rpc.gssd\* zic\*

era\_restore@ lvconvert@ rpc.idmapd\* zramctl\*

ether-wake\* lvcreate@ rpcinfo\*

ethtool\* lvdisplay@ rpc.mountd\*

eventlogadm\* lvextend@ rpc.nfsd\*

[cs45aa17@mc-redhat01 log]$ touch .mydatafile

touch: cannot touch ‘.mydatafile’: Permission denied

[cs45aa17@mc-redhat01 log]$ rm .mydatafile

rm: cannot remove ‘.mydatafile’: No such file or directory

[cs45aa17@mc-redhat01 log]$ cd ~

[cs45aa17@mc-redhat01 ~]$ touch .mydatafile

[cs45aa17@mc-redhat01 ~]$ ls -l

total 104

-rwxr-xr-x. 1 cs45aa17 cs45aa17 139 Sep 18 22:06 filex

drwxrwxr-x. 2 cs45aa17 cs45aa17 227 Sep 12 15:39 globbers

drws--s--x. 2 cs45aa17 cs45aa17 6 Sep 19 14:27 greatest\_hits

drwxrwxr-x. 2 cs45aa17 cs45aa17 6 Sep 12 16:00 homework

-rw-rw-r--. 1 cs45aa17 cs45aa17 0 Sep 19 14:46 lab2

-rw-rw-r--. 1 cs45aa17 cs45aa17 1263 Sep 12 13:50 lab\_2\_0912\_example

-rw-rw-r--. 1 cs45aa17 cs45aa17 946 Sep 19 15:27 lab\_2\_processed.txt

-rw-rw-r--. 1 cs45aa17 cs45aa17 86016 Sep 25 00:23 lab2\_redo

drwxrwxr-x. 2 cs45aa17 cs45aa17 6 Sep 12 14:32 test\_dir

-rw-rw-r--. 1 cs45aa17 cs45aa17 77 Sep 12 14:14 xfile

-rw-rw-r--. 1 cs45aa17 cs45aa17 125 Sep 12 14:25 xfile2

[cs45aa17@mc-redhat01 ~]$ ls -a

. .bash\_logout .cache globbers lab2 lab2\_redo .mydatafile xfile

.. .bash\_profile .config greatest\_hits lab\_2\_0912\_example .lesshst test\_dir xfile2

.bash\_history .bashrc filex homework lab\_2\_processed.txt .mozilla .viminfo

[cs45aa17@mc-redhat01 ~]$ ls -al

total 256

drwx------. 9 cs45aa17 cs45aa17 4096 Sep 25 00:22 .

drwxr-xr-x. 50 root root 4096 Sep 19 01:58 ..

-rw-------. 1 cs45aa17 cs45aa17 6119 Sep 19 18:22 .bash\_history

-rw-r--r--. 1 cs45aa17 cs45aa17 18 Aug 21 2019 .bash\_logout

-rw-r--r--. 1 cs45aa17 cs45aa17 193 Aug 21 2019 .bash\_profile

-rw-r--r--. 1 cs45aa17 cs45aa17 231 Aug 21 2019 .bashrc

drwxrwxr-x. 3 cs45aa17 cs45aa17 18 Sep 4 21:54 .cache

drwxrwxr-x. 3 cs45aa17 cs45aa17 18 Sep 4 21:54 .config

-rwxr-xr-x. 1 cs45aa17 cs45aa17 139 Sep 18 22:06 filex

drwxrwxr-x. 2 cs45aa17 cs45aa17 227 Sep 12 15:39 globbers

drws--s--x. 2 cs45aa17 cs45aa17 6 Sep 19 14:27 greatest\_hits

drwxrwxr-x. 2 cs45aa17 cs45aa17 6 Sep 12 16:00 homework

-rw-rw-r--. 1 cs45aa17 cs45aa17 0 Sep 19 14:46 lab2

-rw-rw-r--. 1 cs45aa17 cs45aa17 1263 Sep 12 13:50 lab\_2\_0912\_example

-rw-rw-r--. 1 cs45aa17 cs45aa17 946 Sep 19 15:27 lab\_2\_processed.txt

-rw-rw-r--. 1 cs45aa17 cs45aa17 90112 Sep 25 00:23 lab2\_redo

-rw-------. 1 cs45aa17 cs45aa17 50 Sep 11 22:27 .lesshst

drwxr-xr-x. 4 cs45aa17 cs45aa17 39 Sep 3 22:26 .mozilla

-rw-rw-r--. 1 cs45aa17 cs45aa17 139 Sep 25 00:23 .mydatafile

drwxrwxr-x. 2 cs45aa17 cs45aa17 6 Sep 12 14:32 test\_dir

-rw-------. 1 cs45aa17 cs45aa17 5997 Sep 25 00:22 .viminfo

-rw-rw-r--. 1 cs45aa17 cs45aa17 77 Sep 12 14:14 xfile

-rw-rw-r--. 1 cs45aa17 cs45aa17 125 Sep 12 14:25 xfile2

[cs45aa17@mc-redhat01 ~]$ pwd; cal > .mydatafile

/home/cs45aa17

[cs45aa17@mc-redhat01 ~]$ cat .mydatafile

September 2020

Su Mo Tu We Th Fr Sa

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

[cs45aa17@mc-redhat01 ~]$ cd $HOME; pwd; ls -a

/home/cs45aa17

. .bash\_logout .cache globbers lab2 lab2\_redo .mydatafile xfile

.. .bash\_profile .config greatest\_hits lab\_2\_0912\_example .lesshst test\_dir xfile2

.bash\_history .bashrc filex homework lab\_2\_processed.txt .mozilla .viminfo

[cs45aa17@mc-redhat01 ~]$ cd ..

[cs45aa17@mc-redhat01 home]$ pwd

/home

[cs45aa17@mc-redhat01 home]$ cd ..

[cs45aa17@mc-redhat01 /]$ pwd

/

[cs45aa17@mc-redhat01 /]$ cd -

/home

[cs45aa17@mc-redhat01 home]$ pwd

/home

[cs45aa17@mc-redhat01 home]$ cd /home/cs45aa17

[cs45aa17@mc-redhat01 ~]$ pwd

/home/cs45aa17

[cs45aa17@mc-redhat01 ~]$ cd /var/log

[cs45aa17@mc-redhat01 log]$ pwd

/var/log

[cs45aa17@mc-redhat01 log]$ cd ..

[cs45aa17@mc-redhat01 var]$ pwd

/var

[cs45aa17@mc-redhat01 var]$ cd ~mr-tester

[cs45aa17@mc-redhat01 mr-tester]$ pwd

/home/mr-tester

[cs45aa17@mc-redhat01 mr-tester]$ cd -

/var

[cs45aa17@mc-redhat01 var]$ pwd

/var

[cs45aa17@mc-redhat01 var]$ mkdir $HOME/globbers

mkdir: cannot create directory ‘/home/cs45aa17/globbers’: File exists

[cs45aa17@mc-redhat01 var]$ rm $HOME/globbers

rm: cannot remove ‘/home/cs45aa17/globbers’: Is a directory

[cs45aa17@mc-redhat01 var]$ -f$$HOME/globbers

rm: cannot remove ‘/home/cs45aa17/globbers’: Is a directory

[cs45aa17@mc-redhat01 var]$ r$$HOME/globbersbers

[cs45aa17@mc-kdirHOME/globbers -f $HOME/globbers

[cs45aa17@mc-redhat01 var]$ ls -d \$HOME/globbers

/home/cs45aa17/globbers

[cs45aa17@mc-redhat01 var]$ cdu$HOME/globbers

[cs45aa17@mc-redhat01 globbers]$ touch filex filey filez file55 file60 file70 file100 file2000foo fox

[cs45aa17@mc-redhat01 globbers]$ ls f??

foo fox

[cs45aa17@mc-redhat01 globbers]$ ls f\*x

filex fox

[cs45aa17@mc-redhat01 globbers]$ ls f\*[2]\*

file200

[cs45aa17@mc-redhat01 globbers]$ ls f\*2\*

file200

[cs45aa17@mc-redhat01 globbers]$ ls f\*[2-9]\*

file200 file55 file60 file70

[cs45aa17@mc-redhat01 globbers]$ ls f\*[2-9]\*

file55

[cs45aa17@mc-redhat01 globbers]$ ls f\*[0-9][0-9]

file100 file200 file55 file60 file70

[cs45aa17@mc-redhat01 globbers]$ ls f\*[0-9][0-9]\*

file100 file200 file55 file60 file70

[cs45aa17@mc-redhat01 globbers]$ ls f[!i]\*

foo fox

[cs45aa17@mc-redhat01 globbers]$ touch file\_one file\_two

[cs45aa17@mc-redhat01 globbers]$ ls -a

. .. file100 file200 file55 file60 file70 file\_one file\_two filex filey filez foo fox

[cs45aa17@mc-redhat01 globbers]$ cat > tester\_file

I am the first line in this file

I am the second line in this file

This is the last line in this file

[cs45aa17@mc-redhat01 globbers]$ cat tester\_file

I am the first line in this file

I am the second line in this file

This is the last line in this file

[cs45aa17@mc-redhat01 globbers]$ nano tester\_file\_2

[cs45aa17@mc-redhat012globbers]$BcatBtester\_file\_2upHFileS)T?xtB^TB^To Spellos YB Yes File ]

I am first line in tester\_file\_2

I am second line in tester\_file\_2

[cs45aa17@mc-redhat01 globbers]$ vi tester-v

"tester-v"-[New]e3L,i55C~written ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0,0-1All-- INSERT --0,1AllI1,23a4m56t7e8s9t10e1r23l4i5n6e78o9n20e12,1 I23a4m56t7e8s9t10e1r23l4i5n6e78293,1 T2h3i4s56i7s89l10i1n2e34353,14All:wq!

[cs45aa17@mc-redhat01 globbers]$ cat tester-v

I am tester line one

I am tester line 2

This is line 3

[cs45aa17@mc-redhat01 globbers]$ cd ..

[cs45aa17@mc-redhat01 ~]$ ls

filex greatest\_hits lab2 lab\_2\_processed.txt test\_dir xfile2

globbers homework lab\_2\_0912\_example lab2\_redo xfile

[cs45aa17@mc-redhat01 ~]$ mkdir /home/cs45aa17/dirx

[cs45aa17@mc-redhat01 ~]$ cd $HOME/dirx

[cs45aa17@mc-redhat01 dirx]$ pwd

/home/cs45aa17/dirx

[cs45aa17@mc-redhat01 dirx]$ mkdir ../diry

[cs45aa17@mc-redhat01 diry]$ mkdir.../../../tmp/cs45aa17

[cs45aa17@mc-redhat01 diry]$ mkdir ../../../tmp/cs45aa17-tester

[cs45aa17@mc-redhat01 diry]$ mkdir /tmp/cs45aa17-tester2

[cs45aa17@mc-redhat01 diry]$ touch /tmp/cs45aa17-tester/data-file

[cs45aa17@mc-redhat01 diry]$ mkdir /tmp/dirz/dirz

mkdir: cannot create directory ‘/tmp/dirz/dirz’: File exists

[cs45aa17@mc-redhat01 diry]$ mkdir -p /tmp/dirR/dirS

[cs45aa17@mc-redhat01 diry]$ rm /tmp/cs45aa17-tester

rm: cannot remove ‘/tmp/cs45aa17-tester’: Is a directory

[cs45aa17@mc-redhat01 diry]$ rm /tmp/cs45aa17-tester2

rm: cannot remove ‘/tmp/cs45aa17-tester2’: Is a directory

[cs45aa17@mc-redhat01 diry]$ -r//tmp/cs45aa17-tester2

[cs45aa17@mc-redhat01 diry]$ ls /tmp/cs45aa17-tester2

ls: cannot access /tmp/cs45aa17-tester2: No such file or directory

[cs45aa17@mc-redhat01 diry]$ touch Afile Bfile Cfile

[cs45aa17@mc-redhat01 diry]$ ls

Afile Bfile Cfile

[cs45aa17@mc-redhat01 diry]$ rm Afile

[cs45aa17@mc-redhat01 diry]$ ls

Bfile Cfile

[cs45aa17@mc-redhat01 diry]$ rm Bfile

[cs45aa17@mc-redhat01 diry]$ ls

Cfile

[cs45aa17@mc-redhat01 diry]$ rm Cfile

[cs45aa17@mc-redhat01 diry]$ cd $HOME

[cs45aa17@mc-redhat01 ~]$ ls

dirx filex greatest\_hits lab2 lab\_2\_processed.txt test\_dir xfile2

diry globbers homework lab\_2\_0912\_example lab2\_redo xfile

[cs45aa17@mc-redhat01 ~]$ rm -r homework/

[cs45aa17@mc-redhat01 ~]$ mkdir -p homework/week-{1-15}

[cs45aa17@mc-redhat01 ~]$ cd homework/

[cs45aa17@mc-redhat01 homework]$ ll -R

.:

total 0

drwxrwxr-x. 2 cs45aa17 cs45aa17 6 Sep 25 00:35 week-{1-15}

./week-{1-15}:

total 0

[cs45aa17@mc-redhat01 homework]$ rm -rwweek-\{1-15\}/

[cs45aa17@mc-redhat01 homework]$ datereweek-\{1-15\}/ek-{1-15}

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[cs45aa17@mc-redhat01 homework]$ mkdir -p week-{1..15}

[cs45aa17@mc-redhat01 homework]$ ls

week-1 week-11 week-13 week-15 week-3 week-5 week-7 week-9

week-10 week-12 week-14 week-2 week-4 week-6 week-8

[cs45aa17@mc-redhat01 homework]$ mkdir week-1/lab-1

[cs45aa17@mc-redhat01 homework]$ mkdir week-1/lec-1

[cs45aa17@mc-redhat01 homework]$ mkdir week2/lec-11

[cs45aa17@mc-redhat01 homework]$ mkdir week-2/lab-2

[cs45aa17@mc-redhat01 homework]$ mkdir week-3/lab-2

[cs45aa17@mc-redhat01 homework]$ mkdir week-3/lec-3

[cs45aa17@mc-redhat01 homework]$ mkdir week-4/lec-4

[cs45aa17@mc-redhat01 homework]$ mkdir week-4/lab-4

[cs45aa17@mc-redhat01 homework]$ mkdir week-5/lec-5

[cs45aa17@mc-redhat01 homework]$ mkdir week-5/lab-5

[cs45aa17@mc-redhat01 homework]$ mkdir week-6/lab-6

[cs45aa17@mc-redhat01 homework]$ mkdir week-6/lec-6

[cs45aa17@mc-redhat01 homework]$ mkdir week7/lec-77

[cs45aa17@mc-redhat01 homework]$ mkdir week7/lab-77

[cs45aa17@mc-redhat01 homework]$ mkdir week-8/lab-8

[cs45aa17@mc-redhat01 homework]$ mkdir week-8/lec-8

[cs45aa17@mc-redhat01 homework]$ mkdir week9/lec-99

[cs45aa17@mc-redhat01 homework]$ mkdir week-9/lab-9

[cs45aa17@mc-redhat01 homework]$ mkdir week-10/lab-10

[cs45aa17@mc-redhat01 homework]$ mkdir week-10/lec-10

[cs45aa17@mc-redhat01 homework]$ mkdir week-11/lec-11

[cs45aa17@mc-redhat01 homework]$ mkdir week-11/ab-111

[cs45aa17@mc-redhat01 homework]$ mkdir week-12/lab-12

[cs45aa17@mc-redhat01 homework]$ mkdir week-12/lec-12

[cs45aa17@mc-redhat01 homework]$ mkdir week-3/lec-133

[cs45aa17@mc-redhat01 homework]$ mkdir week-13/lab-13

[cs45aa17@mc-redhat01 homework]$ mkdir week-14/lab-14

[cs45aa17@mc-redhat01 homework]$ mkdir week-14/lec-14

[cs45aa17@mc-redhat01 homework]$ mkdir week-15/lec-15

[cs45aa17@mc-redhat01 homework]$ mkdir week-15/lab-15

[cs45aa17@mc-redhat01 homework]$ ls -r

week-9 week-7 week-5 week-3 week-15 week-13 week-11 week-1

week-8 week-6 week-4 week-2 week-14 week-12 week-10

[cs45aa17@mc-redhat01 homework]$ ls -R

.:

week-1 week-11 week-13 week-15 week-3 week-5 week-7 week-9

week-10 week-12 week-14 week-2 week-4 week-6 week-8

./week-1:

lab-1 lec-1

./week-1/lab-1:

./week-1/lec-1:

./week-10:

lab-10 lec-10

./week-10/lab-10:

./week-10/lec-10:

./week-11:

lab-11 lec-11

./week-11/lab-11:

./week-11/lec-11:

./week-12:

lab-12 lec-12

./week-12/lab-12:

./week-12/lec-12:

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./week-14/lec-14:

./week-15:

lab-15 lec-15

./week-15/lab-15:

./week-15/lec-15:

./week-2:

lab-2 lec-2

./week-2/lab-2:

./week-2/lec-2:

./week-3:

lab-3 lec-3

./week-3/lab-3:

./week-3/lec-3:

./week-4:

lab-4 lec-4

./week-4/lab-4:

./week-4/lec-4:

./week-5:

lab-5 lec-5

./week-5/lab-5:

./week-5/lec-5:

./week-6:

lab-6 lec-6

./week-6/lab-6:

./week-6/lec-6:

./week-7:

lab-7 lec-7

./week-7/lab-7:

./week-7/lec-7:

./week-8:

lab-8 lec-8

./week-8/lab-8:

./week-8/lec-8:

./week-9:

lab-9 lec-9

./week-9/lab-9:

./week-9/lec-9:

[cs45aa17@mc-redhat01 homework]$ date

Fri Sep 25 00:39:18 EDT 2020

[cs45aa17@mc-redhat01 homework]$ exit

Script done on Fri 25 Sep 2020 12:39:19 AM EDT