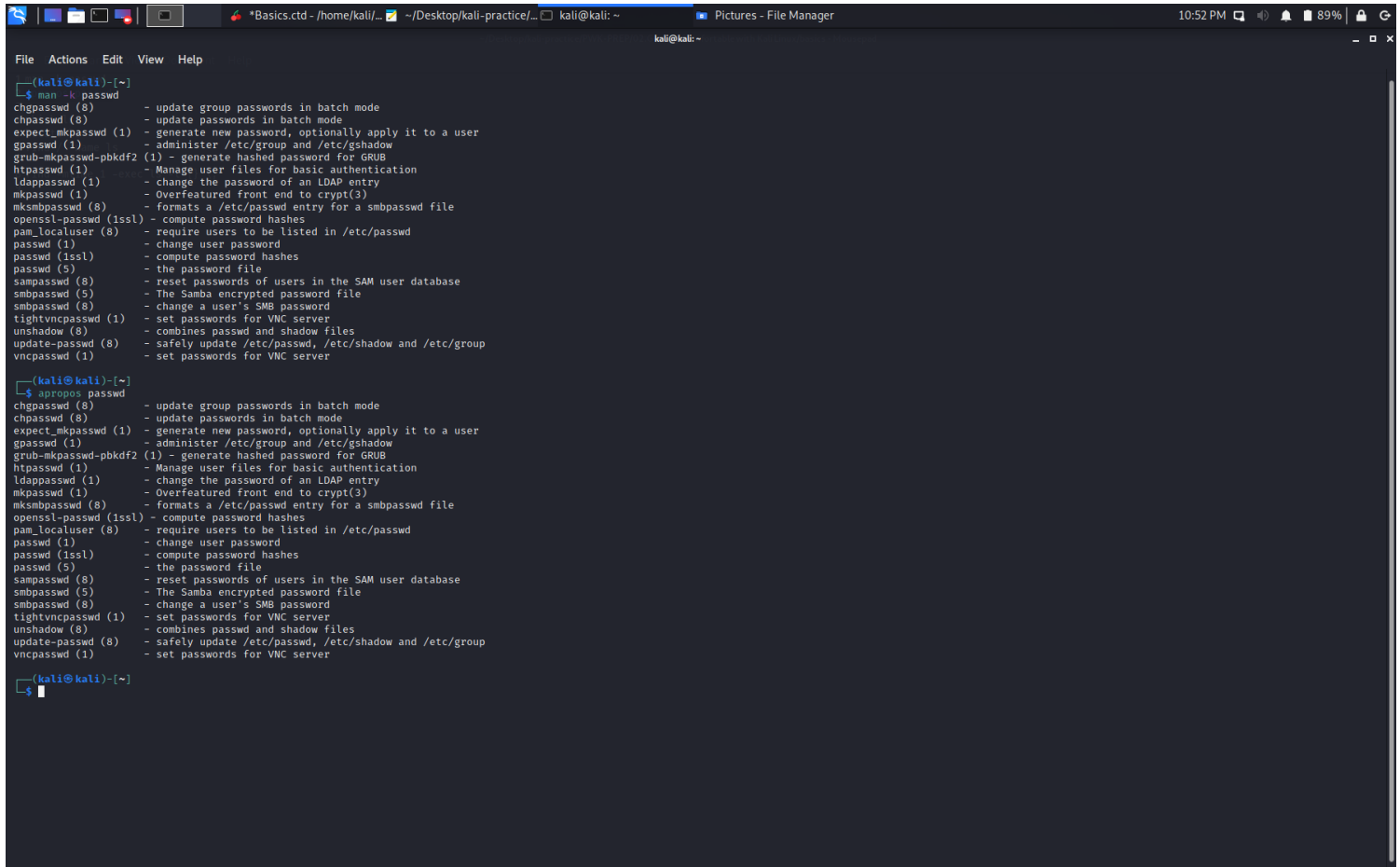


Basics

- /bin - basic programs (ls, cd, cat, etc.)
- /sbin - system programs (fdisk, mkfs, sysctl, etc)
- /etc - configuration files
- /tmp - temporary files (typically deleted on boot)
- /usr/bin - applications (apt, ncat, nmap, etc.)
- /usr/share - application support and data files

Man | Locate | APT



```
(kali@kali)-[~]
└─$ man -k passwd
chpasswd (8) - update group passwords in batch mode
chpasswd (8) - update passwords in batch mode
expect_mkpasswd (1) - generate new password, optionally apply it to a user
gpsswd (1) - administer /etc/group and /etc/gshadow
grub-mkpasswd-pbkdf2 (1) - generate hashed password for GRUB
htpasswd (1) - Manage user files for basic authentication
ldappasswd (1) - change the password of an LDAP entry
mkpasswd (1) - Overfeatured front end to crypt(3)
mksmbpasswd (8) - formats a /etc/passwd entry for a smbpasswd file
openssl-passwd (1ssl) - compute password hashes
pam_localuser (8) - require users to be listed in /etc/passwd
passwd (1) - change user password
passwd (1ssl) - compute password hashes
passwd (5) - the password file
smbpasswd (8) - reset passwords of users in the SAM user database
smbpasswd (5) - The Samba encrypted password file
smbpasswd (8) - change a user's SMB password
tightvncpasswd (1) - set passwords for VNC server
unshadow (8) - combines passwd and shadow files
update-passwd (8) - safely update /etc/passwd, /etc/shadow and /etc/group
vncpasswd (1) - set passwords for VNC server

(kali@kali)-[~]
└─$ apropos passwd
chpasswd (8) - update group passwords in batch mode
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vncpasswd (1) - set passwords for VNC server

(kali@kali)-[~]
└─$
```

```
*Basics.ctd - /home/kali/... ~/Desktop/kali-practice/... kali@kali: ~ Pictures - File Manager
10:56 PM 89%

kali@kali: ~
File Actions Edit View Help

kali@kali)-[~]
$ which pwd
pwd: shell built-in command

kali@kali)-[~]
$ locate pwd;
/etc/.pwd.lock
/usr/bin/pwd
/usr/bin/pwdx
/usr/include/pwd.h
/usr/lib/modules/5.9.0-kali1-amd64/kernel/drivers/watchdog/hpwdt.ko
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p256_private_openssh_pwd.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p256_private_openssh_pwd_old.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p384_private_openssh_pwd.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p384_private_openssh_pwd_old.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p521_private_openssh_pwd.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/ECC/ecc_p521_private_openssh_pwd_old.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/RSA/rsa2048_private_openssh_pwd.pem
/usr/lib/python3/dist-packages/Cryptodome/SelfTest/PublicKey/test_vectors/RSA/rsa2048_private_openssh_pwd_old.pem
/usr/lib/python3/dist-packages/jedi/third_party/typeshed/stdlib/2/spwd.pyi
/usr/lib/python3/dist-packages/jedi/third_party/typeshed/stdlib/3/spwd.pyi
/usr/lib/python3/dist-packages/passlib/pwd.py
/usr/lib/python3/dist-packages/passlib/__pycache__/pwd.cpython-38.pyc
/usr/lib/python3/dist-packages/passlib/tests/test_pwd.py
/usr/lib/python3/dist-packages/passlib/tests/__pycache__/test_pwd.cpython-38.pyc
/usr/lib/python3/dist-packages/samba/tests/pam_winbind_warn_pwd_expire.py
/usr/lib/python3/dist-packages/samba/tests/__pycache__/pam_winbind_warn_pwd_expire.cpython-38.pyc
/usr/lib/python3/dist-packages/twisted/python/fakepwd.py
/usr/lib/python3/dist-packages/twisted/python/__pycache__/fakepwd.cpython-38.pyc
/usr/lib/python3/dist-packages/twisted/python/test/test_fakepwd.py
/usr/lib/python3/dist-packages/twisted/python/test/__pycache__/test_fakepwd.cpython-38.pyc
/usr/sbin/genmkvpwd
/usr/sbin/unix_chkpwd
/usr/share/bash-completion/completions/pwd
/usr/share/bash-completion/completions/pwdx
/usr/share/creddump7/pwdump.py
/usr/share/creddump7/__pycache__/pwdump.cpython-38.pyc
/usr/share/john/pgpwde2john.py
/usr/share/kali-menu/applications/kali-cmospwd.desktop
/usr/share/kali-menu/applications/kali-pwdump.desktop
/usr/share/man/man1/pwd.1.gz
/usr/share/man/man1/pwdx.1.gz
/usr/share/man/man8/unix_chkpwd.8.gz
/usr/share/metasploit-framework/modules/auxiliary/gather/coldfusion_pwd_props.rb
/usr/share/metasploit-framework/modules/auxiliary/gather/konica_minolta_pwd_extract.rb
/usr/share/metasploit-framework/modules/auxiliary/gather/xerox_pwd_extract.rb
/usr/share/metasploit-framework/modules/auxiliary/scanner/http/titan_ftp_admin_pwd.rb
/usr/share/metasploit-framework/modules/auxiliary/scanner/printer/canon_iradv_pwd_extract.rb
/usr/share/metasploit-framework/modules/exploits/linux/misc/ib_pwd_db_aliased.rb
/usr/share/metasploit-framework/modules/exploits/windows/ftp/ftpgetter_pwd_reply.rb
/usr/share/metasploit-framework/modules/exploits/windows/ftp/ftpsHELL51_pwd_reply.rb
/usr/share/metasploit-framework/modules/exploits/windows/ftp/xftp_client_pwd.rb
/usr/share/metasploit-framework/modules/post/windows/gather/credentials/enum_picasa_pwds.rb
/usr/share/ncrack/default_pwd
/usr/share/ncrack/jtr_pwd
/usr/share/ncrack/myspace_pwd
/usr/share/ncrack/phpbb_pwd
/usr/share/ncrack/top50000_pwd
/usr/share/nmap/nselib/unpwdb.lua
/usr/share/nmap/data/psexec/pwdump.lua
/usr/share/perl5/pwd.pl
```

~~~~~

which ls  
locate ls  
find / -name ls  
find -mtime 1 -exec ls -l {} \;

~~~~~

```
File Actions Edit View Help

(kali@kali)-[~]
$ sudo systemctl start ssh
[sudo] password for kali:

(kali@kali)-[~]
$ sudo systemctl status ssh
ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/systemd/ssh.service; disabled; vendor preset: disabled)
Active: active (running) since Thu 2020-12-31 23:05:53 EST; 12s ago
Docs: man:sshd(8)
      man:sshd_config(5)
Process: 2307 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
Main PID: 2308 (sshd)
Tasks: 1 (limit: 3480)
Memory: 2.0M
CGroup: /system.slice/ssh.service
        └─2308 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Dec 31 23:05:53 kali systemd[1]: Starting OpenBSD Secure Shell server...
Dec 31 23:05:53 kali sshd[2308]: Server listening on 0.0.0.0 port 22.
Dec 31 23:05:53 kali sshd[2308]: Server listening on :: port 22.
Dec 31 23:05:53 kali systemd[1]: Started OpenBSD Secure Shell server.

(kali@kali)-[~]
$ sudo ss -antlp | grep sshd
LISTEN 0      128          0.0.0.0:22      0.0.0.0:*      users:((("sshd",pid=2308,fd=3))
LISTEN 0      128          :::22           :::*           users:((("sshd",pid=2308,fd=4))

(kali@kali)-[~]
$
```

```
File Actions Edit View Help

(kali@kali)-[~]
$ systemctl list-unit-files
UNIT FILE                                STATE      VENDOR PRESET
proc-sys-fs-binfmt_misc.automount        static     -
-.mount                                  generated -
dev-hugepages.mount                      static     -
dev-mqueue.mount                         static     -
media-cdrom0.mount                      generated -
proc-fs-nfsd.mount                      static     -
proc-sys-fs-binfmt_misc.mount            disabled  disabled
run-rpc-pipefs.mount                    enabled    enabled
sys-fs-fuse-connections.mount            static     -
sys-kernel-config.mount                 static     -
sys-kernel-debug.mount                  static     -
sys-kernel-tracing.mount                 static     -
systemd-ask-password-console.path        static     -
systemd-ask-password-plymouth.path       static     -
systemd-ask-password-wall.path           static     -
session-2.scope                         transient  -
apache-htcacheclean.service              disabled  disabled
apache-htcacheclean@.service             disabled  disabled
apache2.service                         disabled  disabled
apparmor.service                       disabled  disabled
apt-daily-upgrade.service               static     -
apt-daily.service                      static     -
atftpd.service                         generated -
auth-nss-module.service                 static     -
avahi-daemon.service                   disabled  disabled
binfmt-support.service                  enabled    enabled
bluetooth.service                      disabled  disabled
colord.service                         static     -
console-getty.service                   disabled  disabled
console-setup.service                   enabled    enabled
container-getty@.service                 static     -
cron.service                           enabled    enabled
cryptdisks-early.service                masked    disabled
cryptdisks.service                     masked     -
dbus-org.freedesktop.hostname1.service  alias      -
dbus-org.freedesktop.locale1.service    alias      -
dbus-org.freedesktop.login1.service     alias      -
dbus-org.freedesktop.ModemManager1.service alias      -
dbus-org.freedesktop.nm-dispatcher.service alias      -
dbus-org.freedesktop.timedate1.service  static     -
debug-shell.service                     disabled  disabled
display-manager.service                  alias      -
dnstcpd.service                        generated -
e2scrub@.service                        static     -
e2scrub_all.service                    static     -
e2scrub_fail@.service                   static     -
e2scrub_reap.service                    enabled    disabled
emergency.service                       static     -
faraday.service                         disabled  disabled
fstirm.service                          static     -
gdomap.service                         generated -
geoclue.service                        static     -
getty-static.service                    static     -
getty@.service                          enabled     enabled
```