

UNIVERSIDAD AUTONOMA
DEL ESTADO DE MEXICO



KARLA ZARET VAZQUEZ LEDO

TRABAJO EN CLASE
(CAPTURAS)

SISTEMAS OPERATIVOS

7MO SEMESTRE

04/09/2025

```
karli@KARLA: /
_ssh:x:104:
landscape:x:105:
polkitd:x:990:
admin:x:106:
netdev:x:107:
karli:x:1000:
rdma:x:108:
plocate:x:109:
axelusuario:x:1001:
karli@KARLA:/$ sudo cat /etc/shadow
root:!:20305:0:99999:7:::
daemon:!:20305:0:99999:7:::
bin:!:20305:0:99999:7:::
sys:!:20305:0:99999:7:::
sync:!:20305:0:99999:7:::
games:!:20305:0:99999:7:::
man:!:20305:0:99999:7:::
lp:!:20305:0:99999:7:::
mail:!:20305:0:99999:7:::
news:!:20305:0:99999:7:::
uucp:!:20305:0:99999:7:::
proxy:!:20305:0:99999:7:::
www-data:!:20305:0:99999:7:::
backup:!:20305:0:99999:7:::
list:!:20305:0:99999:7:::
irc:!:20305:0:99999:7:::
_apt:!:20305:0:99999:7:::
nobody:!:20305:0:99999:7:::
systemd-network:!:20305:0:99999:7:::
systemd-timesync:!:20305:0:99999:7:::
dhcpcd:!:20305:0:99999:7:::
messagebus:!:20305:0:99999:7:::
syslog:!:20305:0:99999:7:::
systemd-resolve:!:20305:0:99999:7:::
uuidd:!:20305:0:99999:7:::
landscape:!:20305:0:99999:7:::
polkitd:!:20305:0:99999:7:::
karli:$y$j9T$Q6k1mu0BfhsUdcA3v3bFh0$TfIESU4W/So3wWWD/.VeGly5ZEi9TTwVGJkEWuxKNe6:20309:0:99999:7:::
sshd:!:20329:0:99999:7:::
axelusuario:!:20335:0:99999:7:::
karli@KARLA:/$
```

```
karli@KARLA: /
unix 3      [ ]          STREAM  CONNECTED  4400      @dcedd1450bb20268/bus/systemd/bus-api-system
netstat: no support for 'AF IPX' on this system.
netstat: no support for 'AF AX25' on this system.
netstat: no support for 'AF X25' on this system.
netstat: no support for 'AF NETROM' on this system.
netstat: no support for 'AF ROSE' on this system.
karli@KARLA:/$ netstat -nr
Kernel IP routing table
Destination Gateway         Genmask         Flags MSS Window  irtt Iface
0.0.0.0     172.28.144.1    0.0.0.0         UG    0 0          0 eth0
172.28.144.0 0.0.0.0         255.255.240.0   U     0 0          0 eth0
karli@KARLA:/$ netstat -ai
Kernel Interface table
Iface MTU RX-OK RX-ERR RX-DRP RX-OVR TX-OK TX-ERR TX-DRP TX-OVR Flg
eth0 1500 35827 0 0 0 26136 0 0 0 0 BMRU
lo 65536 487 0 0 0 487 0 0 0 0 LRU
karli@KARLA:/$ netstat -ant
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address Foreign Address State
tcp 0 0 0 127.0.0.54:53 0.0.0.0:* LISTEN
tcp 0 0 0 10.255.255.254:53 0.0.0.0:* LISTEN
tcp 0 0 0 0.0.0.0:22 0.0.0.0:* LISTEN
tcp 0 0 0 127.0.0.53:53 0.0.0.0:* LISTEN
tcp6 0 0 0 :::22 :::* LISTEN
karli@KARLA:/$ netstat -pnltu
(Not all processes could be identified, non-owned process info
will not be shown, you would have to be root to see it all.)
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
tcp 0 0 0 127.0.0.54:53 0.0.0.0:* LISTEN -
tcp 0 0 0 10.255.255.254:53 0.0.0.0:* LISTEN -
tcp 0 0 0 0.0.0.0:22 0.0.0.0:* LISTEN -
tcp 0 0 0 127.0.0.53:53 0.0.0.0:* LISTEN -
tcp6 0 0 0 :::22 :::* LISTEN -
udp 0 0 0 0.0.0.0:52844 0.0.0.0:* -
udp 0 0 0 127.0.0.54:53 0.0.0.0:* -
udp 0 0 0 127.0.0.53:53 0.0.0.0:* -
udp 0 0 0 10.255.255.254:53 0.0.0.0:* -
udp 0 0 0 127.0.0.1:323 0.0.0.0:* -
udp6 0 0 0 :::1323 :::* -
karli@KARLA:/$
```

```
karli@KARLA: ~
CPU: 79ms
CGroup: /system.slice/ssh.service
└─6928 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 04 15:39:13 KARLA systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on 0.0.0.0 port 22.
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on :: port 22.
Sep 04 15:39:13 KARLA systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
karli@KARLA:~$ sudo systemctl stop ssh
Unknown command verb 'stop', did you mean 'stop'?
karli@KARLA:~$ sudo systemctl stop ssh
Stopping 'ssh.service', but its triggering units are still active:
ssh.socket
karli@KARLA:~$ sudo systemctl stop ssh
Stopping 'ssh.service', but its triggering units are still active:
ssh.socket
karli@KARLA:~$ sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink /etc/systemd/system/ssh.service → /usr/lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /usr/lib/systemd/system/ssh.service.
karli@KARLA:~$ sudo systemctl status ssh
o ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: inactive (dead) since Thu 2025-09-04 15:43:31 CST; 1min 13s ago
  Duration: 4min 18.127s
 TriggeredBy: ● ssh.socket
            Docs: man:sshd(8)
                man:sshd_config(5)
   Main PID: 6928 (code=exited, status=0/SUCCESS)
     CPU: 84ms

Sep 04 15:39:13 KARLA systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on 0.0.0.0 port 22.
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on :: port 22.
Sep 04 15:39:13 KARLA systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
Sep 04 15:43:31 KARLA sshd[6928]: Received signal 15; terminating.
Sep 04 15:43:31 KARLA systemd[1]: Stopping ssh.service - OpenBSD Secure Shell server...
Sep 04 15:43:31 KARLA systemd[1]: ssh.service: Deactivated successfully.
Sep 04 15:43:31 KARLA systemd[1]: Stopped ssh.service - OpenBSD Secure Shell server.
karli@KARLA:~$
```

```
karli@KARLA: ~
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:9.6p1-3ubuntu13.13).
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.
karli@KARLA:~$ sudo systemctl start
Too few arguments.
karli@KARLA:~$ sudo systemctl start
Too few arguments.
karli@KARLA:~$ sudo systemctl start ssh
karli@KARLA:~$ sudo systemctl start | ssh
Too few arguments.
usage: ssh [-46AaCfGgkKMnQqSttVvXxYy] [-B bind_interface] [-b bind_address]
           [-c cipher_spec] [-D [bind_address:]port] [-E log_file]
           [-e escape_char] [-F configfile] [-I pkcs11] [-i identity_file]
           [-j destination] [-l address] [-l login_name] [-m mac_spec]
           [-O ctl_cmd] [-o option] [-P tag] [-p port] [-R address]
           [-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]]
           destination [command [argument ...]]
           ssh [-Q query_option]
karli@KARLA:~$ sudo systemctl start ssh
karli@KARLA:~$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; disabled; preset: enabled)
   Active: active (running) since Thu 2025-09-04 15:39:13 CST; 2min 49s ago
 TriggeredBy: ● ssh.socket
            Docs: man:sshd(8)
                man:sshd_config(5)
   Process: 6926 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 6928 (sshd)
     Tasks: 1 (limit: 4229)
    Memory: 3.0M (peak: 3.2M)
       CPU: 79ms
     CGroup: /system.slice/ssh.service
             └─6928 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 04 15:39:13 KARLA systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on 0.0.0.0 port 22.
Sep 04 15:39:13 KARLA sshd[6928]: Server listening on :: port 22.
Sep 04 15:39:13 KARLA systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
karli@KARLA:~$
```

```
karli@KARLA: /  
karli@KARLA:/$ pwd  
/  
karli@KARLA:/$ sudo cat /etc/shadow  
root:*:20305:0:99999:7:::  
daemon:*:20305:0:99999:7:::  
bin:*:20305:0:99999:7:::  
sys:*:20305:0:99999:7:::  
sync:*:20305:0:99999:7:::  
games:*:20305:0:99999:7:::  
man:*:20305:0:99999:7:::  
lp:*:20305:0:99999:7:::  
mail:*:20305:0:99999:7:::  
news:*:20305:0:99999:7:::  
uucp:*:20305:0:99999:7:::  
proxy:*:20305:0:99999:7:::  
www-data:*:20305:0:99999:7:::  
backup:*:20305:0:99999:7:::  
list:*:20305:0:99999:7:::  
irc:*:20305:0:99999:7:::  
_apt:*:20305:0:99999:7:::  
nobody:*:20305:0:99999:7:::  
systemd-networkd:*:20305:0:99999:7:::  
systemd-timesyncd:*:20305:0:99999:7:::  
dhcpcd:*:20305:0:99999:7:::  
messagebus:*:20305:0:99999:7:::  
syslog:*:20305:0:99999:7:::  
systemd-resolve:*:20305:0:99999:7:::  
uuidd:*:20305:0:99999:7:::  
landscape:*:20305:0:99999:7:::  
polkitd:*:20305:0:99999:7:::  
karli:$y$j9T$Q6k1mu0BfhsUdcA3v3bFh0$TfIESU4W/So3wWWD/.VeG1y5ZEi9TTwVGJkEWuxKNe6:20309:0:99999:7:::  
sshd:*:20329:0:99999:7:::  
karli@KARLA:/$
```

Zoom Workplace