

SISTEMAS OPERATIVOS

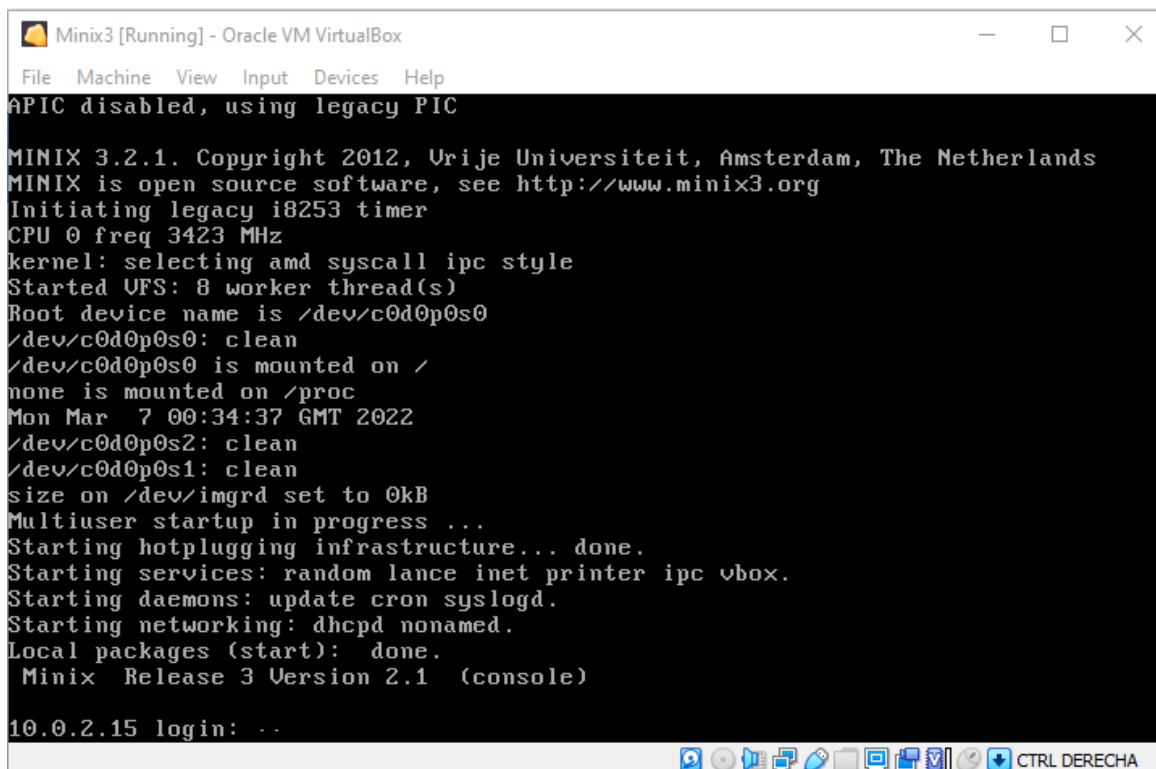
PRÁCTICA 02

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Integrantes:

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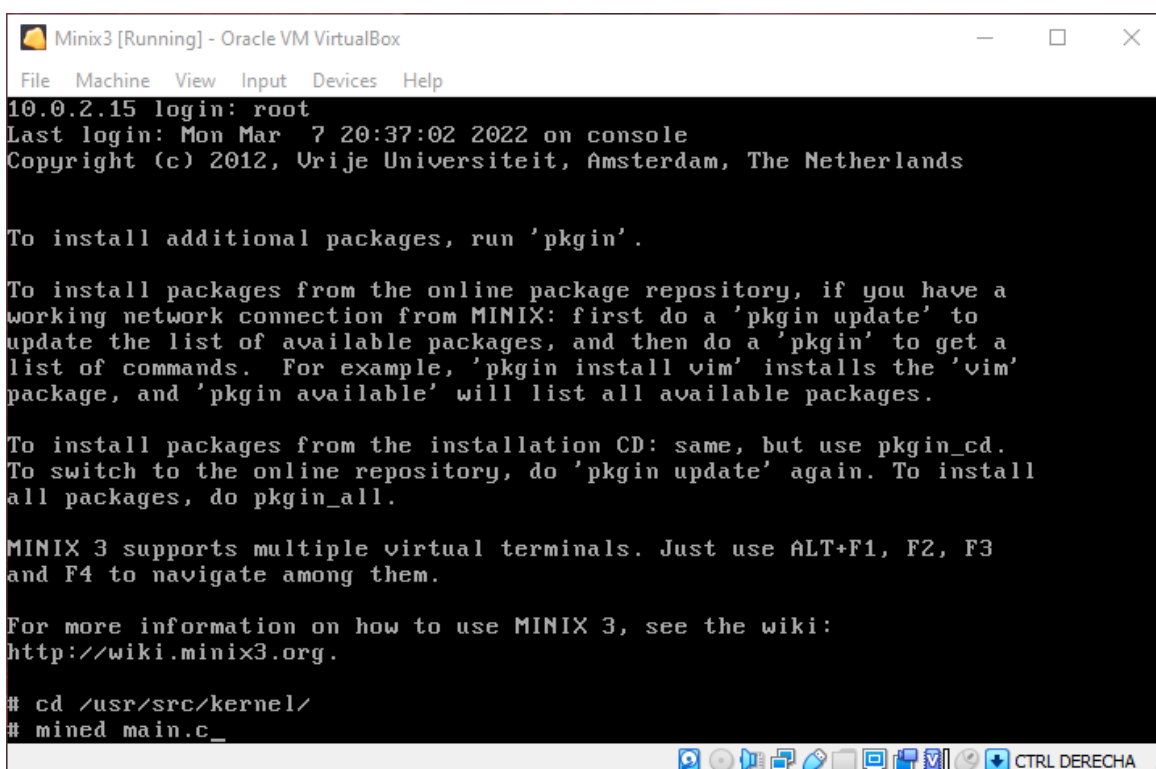


```
Minix3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
APIC disabled, using legacy PIC

MINIX 3.2.1. Copyright 2012, Urije Universiteit, Amsterdam, The Netherlands
MINIX is open source software, see http://www.minix3.org
Initiating legacy i8253 timer
CPU 0 freq 3423 MHz
kernel: selecting amd syscall ipc style
Started UFS: 8 worker thread(s)
Root device name is /dev/c0d0p0s0
/dev/c0d0p0s0: clean
/dev/c0d0p0s0 is mounted on /
none is mounted on /proc
Mon Mar 7 00:34:37 GMT 2022
/dev/c0d0p0s2: clean
/dev/c0d0p0s1: clean
size on /dev/imgrd set to 0kB
Multiuser startup in progress ...
Starting hotplugging infrastructure... done.
Starting services: random lance inet printer ipc vbox.
Starting daemons: update cron syslogd.
Starting networking: dhcpd nonamed.
Local packages (start): done.
Minix Release 3 Version 2.1 (console)

10.0.2.15 login: --
```

Para la Segunda práctica notamos que cuando iniciamos Minix hay una leyenda en la cual marca en Copyright, la cambiaremos.



```
Minix3 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
10.0.2.15 login: root
Last login: Mon Mar 7 20:37:02 2022 on console
Copyright (c) 2012, Urije Universiteit, Amsterdam, The Netherlands

To install additional packages, run 'pkgin'.

To install packages from the online package repository, if you have a
working network connection from MINIX: first do a 'pkgin update' to
update the list of available packages, and then do a 'pkgin' to get a
list of commands. For example, 'pkgin install vim' installs the 'vim'
package, and 'pkgin available' will list all available packages.

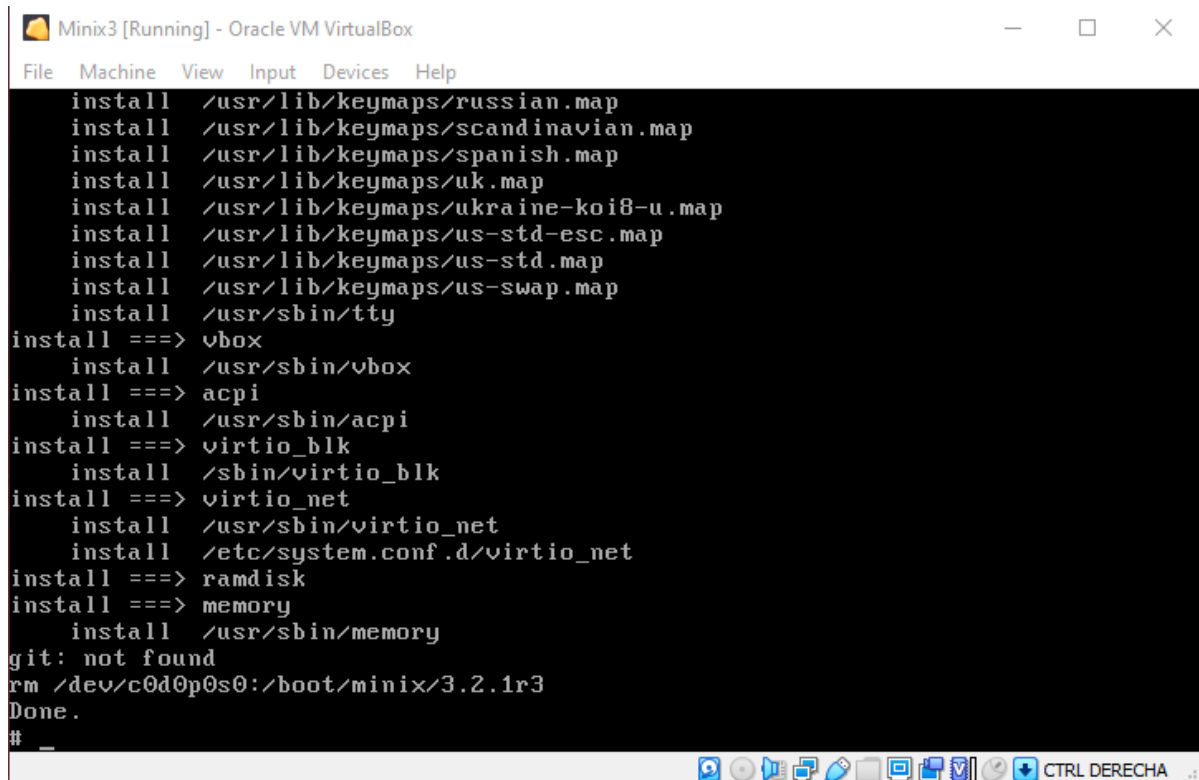
To install packages from the installation CD: same, but use pkgin_cd.
To switch to the online repository, do 'pkgin update' again. To install
all packages, do pkgin_all.

MINIX 3 supports multiple virtual terminals. Just use ALT+F1, F2, F3
and F4 to navigate among them.

For more information on how to use MINIX 3, see the wiki:
http://wiki.minix3.org.

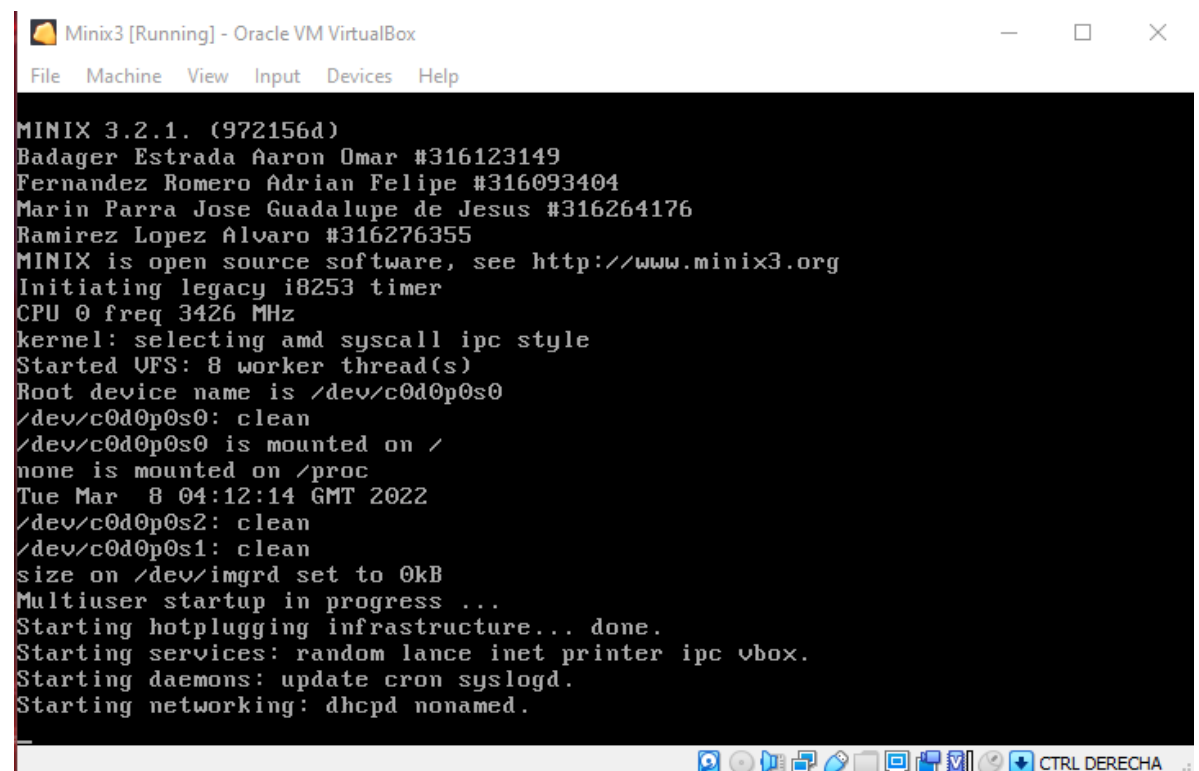
# cd /usr/src/kernel/
# mined main.c_
```

Dentro de minix nos vamos a la ruta `/usr/src/kernel/` y abrimos el archivo `main.c` con un editor de texto, en este caso usamos `mined`.



```
install /usr/lib/keymaps/russian.map
install /usr/lib/keymaps/scandinavian.map
install /usr/lib/keymaps/spanish.map
install /usr/lib/keymaps/uk.map
install /usr/lib/keymaps/ukraine-koi8-u.map
install /usr/lib/keymaps/us-std-esc.map
install /usr/lib/keymaps/us-std.map
install /usr/lib/keymaps/us-swap.map
install /usr/sbin/tty
install ==> vbox
install /usr/sbin/vbox
install ==> acpi
install /usr/sbin/acpi
install ==> virtio_blk
install /sbin/virtio_blk
install ==> virtio_net
install /usr/sbin/virtio_net
install /etc/system.conf.d/virtio_net
install ==> ramdisk
install ==> memory
install /usr/sbin/memory
git: not found
rm /dev/c0d0p0s0:/boot/minix/3.2.1r3
Done.
# _
```

Una vez compilado nos aparecerá algo así en la pantalla, lo único que basta por hacer es reiniciar el Sistema Operativo.



```
MINIX 3.2.1. (972156d)
Badager Estrada Aaron Omar #316123149
Fernandez Romero Adrian Felipe #316093404
Marin Parra Jose Guadalupe de Jesus #316264176
Ramirez Lopez Alvaro #316276355
MINIX is open source software, see http://www.minix3.org
Initiating legacy i8253 timer
CPU 0 freq 3426 MHz
kernel: selecting amd syscall ipc style
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Root device name is /dev/c0d0p0s0
/dev/c0d0p0s0: clean
/dev/c0d0p0s0 is mounted on /
none is mounted on /proc
Tue Mar 8 04:12:14 GMT 2022
/dev/c0d0p0s2: clean
/dev/c0d0p0s1: clean
size on /dev/imgrd set to 0kB
Multiuser startup in progress ...
Starting hotplugging infrastructure... done.
Starting services: random lance inet printer ipc vbox.
Starting daemons: update cron syslogd.
Starting networking: dhcpcd nonamed.
```

Una vez reiniciado podemos notar que ahora aparecen los nombres de los integrantes en la leyenda de arranque.

Conclusiones.

Para esta segunda práctica la única dificultad que se nos presentó fue que al momento de reiniciar la máquina virtual, la leyenda era la misma y eso se debe a los bugs de la máquina, no del Sistema Operativo. Resolvimos esa dificultad con el simple hecho de dejar que minix se iniciara por sí sólo sin darle la instrucción. Fuera de eso no se nos presentó ningún problema.