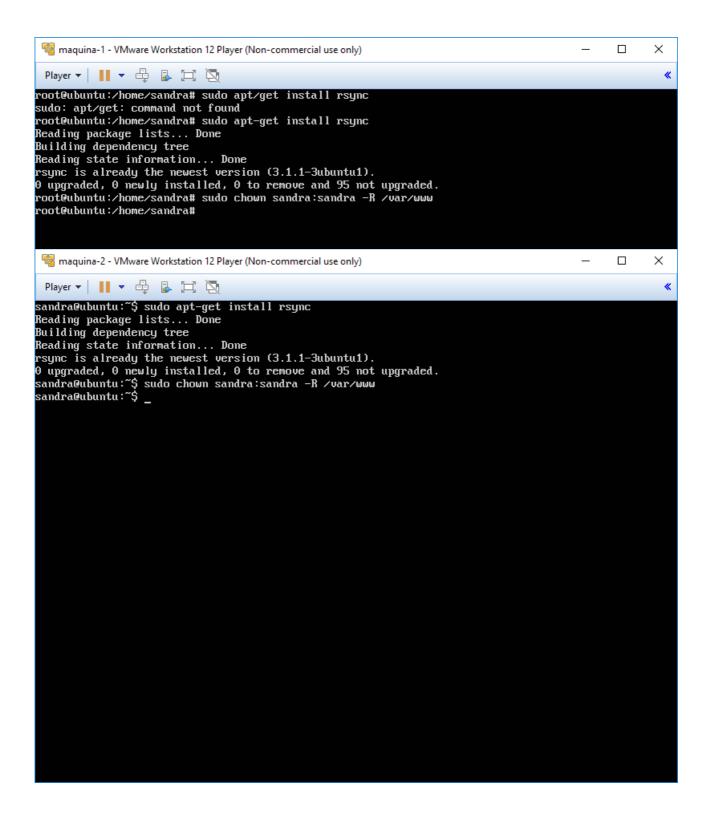
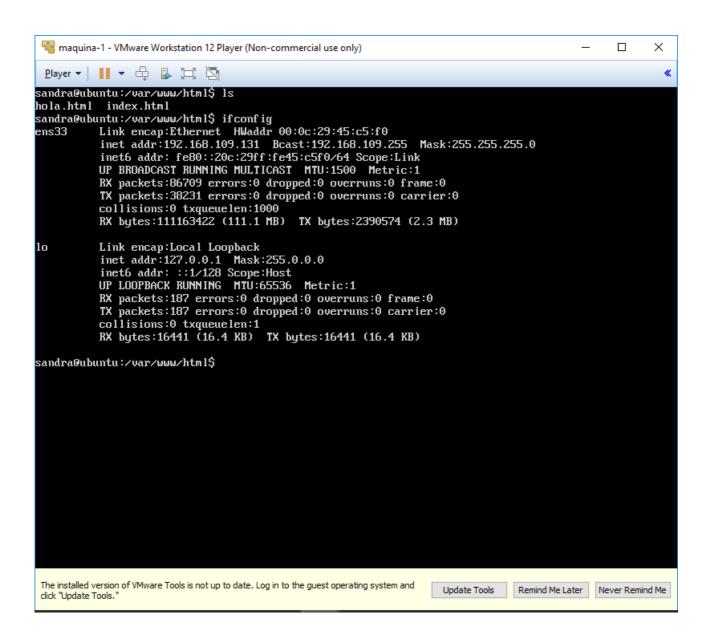
Práctica 2

En primer lugar instalamos rsync en ambas máquinas con:

sudo apt-get install rsync



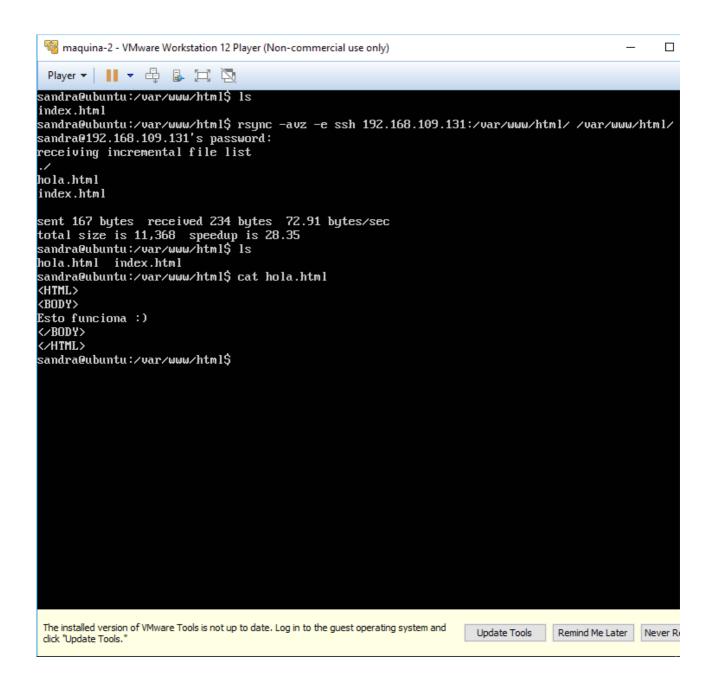
Luego creamos el archivo hola.html en la máquina 1 en /var/www/html/ y vemos la ip de esta máquina con ifconfig:



Ahora vamos a la máquina 2 y copiamos el archivo hola.html de la maquina 1 en el mismo directorio con:

```
rsync -avz -e ssh 192.168.109.131:/var/www/html/ /var/www/html/
```

nos solicitará la contraseña de la máquina 1. Tras introducirla comprobamos que el contenido del directorio de la máquina 1 se ha copiado correctamente en la máquina 2.



Para obtener acceso sin contraseña en la máquina 1, creamos una clave pública en la máquina 2 con:

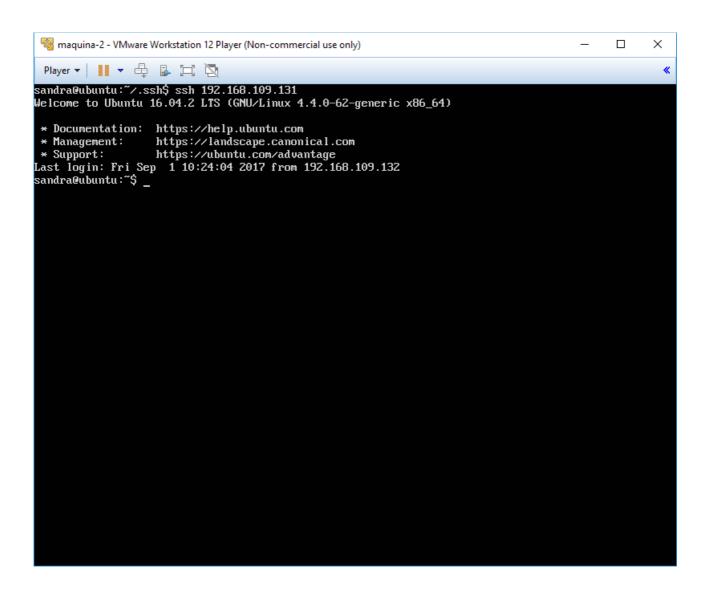
```
ssh-keygen -b 4096 -t rsa
```

y luego la copiamos a la máquina 1 con:

```
ssh-copy-id 192.168.109.131
```

```
maquina-2 - VMware Workstation 12 Player (Non-commercial use only)
                                                                                                  ×
 Player ▼ | | | ▼ 🖶 🖫 📜
sandra@ubuntu:~/.ssh$ ssh-keygen -b 4096 -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/sandra/.ssh/id_rsa): id_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in id_rsa.
Your public key has been saved in id_rsa.pub.
The key fingerprint is:
SHA256:LYqYPgLrm7+81Q18LpF5kurfBczzKzr8zWpb1E/aZpY sandra@ubuntu
The key's randomart image is:
   -[RŠA 4096]-
    O B .S...
   .oB.B. .= .
1.o+..=.+ . E
|+.+0+0= . +
|.*=OB=++
    -[SHA256]-
sandra@ubuntu:~/.ssh$ ssh-copy-id 192.168.109.131
usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/sandra/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are alr
eady installed
usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to inst-
all the new keys
sandra0192.168.109.131's password:
Number of key(s) added: 1
Now try logging into the machine, with: "ssh '192.168.109.131'"
and check to make sure that only the key(s) you wanted were added.
sandra@ubuntu:~/.ssh$ _
```

Ahora comprobamos que podemos conectarnos mediante ssh a la máquina 1 sin necesidad de introducir la contraseña:



Por último programamos una tarea con crontab que se ejecute cada hora para mantener actualizado el contenido del directorio /var/www/html. Para ello vamos añadimos en el archivo etc/crontab la siguiente línea:

```
0 * * * * root rsync -avz -e ssh
192.168.109.131:/var/www/html/ /var/www/html/
```

```
🌠 maquina-2 - VMware Workstation 12 Player (Non-commercial use only)
                                                                                                                       ×
  Player ▼ | | | ▼ 🖶 🖟 💢
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.
SHELL=/bin/sh
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
# m h dom mon dow user command
                    root
17 ×
                               cd / && run-parts --report /etc/cron.hourly
                               test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily )
test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.weekly )
test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.monthly
25 6
47 6
                     root
          * * *
          * * 7
                    root
52 6
          1 * *
                    root
root@ubuntu:/etc# cat >> crontab
                                                    root
                                                               rsync -avz -e ssh 192.168.109.131:/var/www/html/ /va
r/www/html/
root@ubuntu:/etc# cat crontab
# /etc/crontab: system-wide crontab
# Unlike any other crontab you don't have to run the `crontab'
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.
SHELL=/bin/sh
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin
# m h dom mon dow user command
17 ×
                               cd / && run-parts --report /etc/cron.hourly
          * * *
                    root
25 6
47 6
52 6
                               test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily )
test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.weekly )
                    root
          * * 7
                    root
          1 * *
                    root
                               test -x /usr/sbin/anacron II ( cd / && run-parts --report /etc/cron.monthly
                                                    root
                                                               rsync -avz -e ssh 192.168.109.131:/var/www/html/ /va
r/www/html/
root@ubuntu:/etc#
```