



UNIVERSIDAD AUTÓNOMA "TOMÁS FRÍAS"

CARRERA DE INGENIERÍA DE SISTEMAS

ESTUDIANTE: Casandra Angélica Calderón Dávalos CI: 10532304

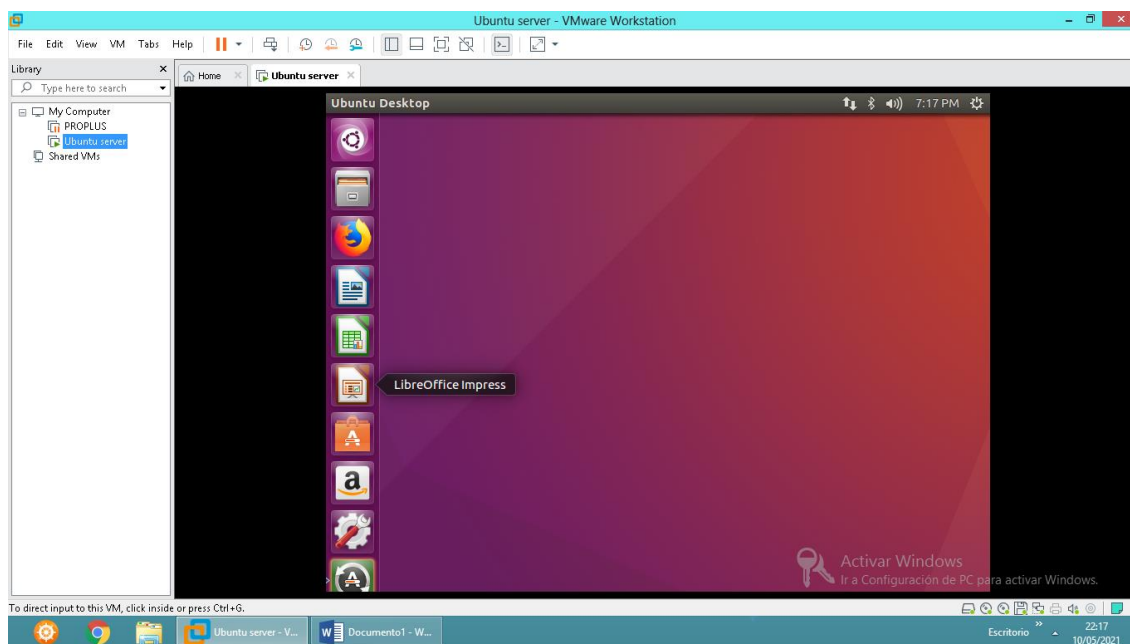
MATERIA: Seminario de Sistemas SIS-719

DOCENTE: Ing. Ditmar Castro

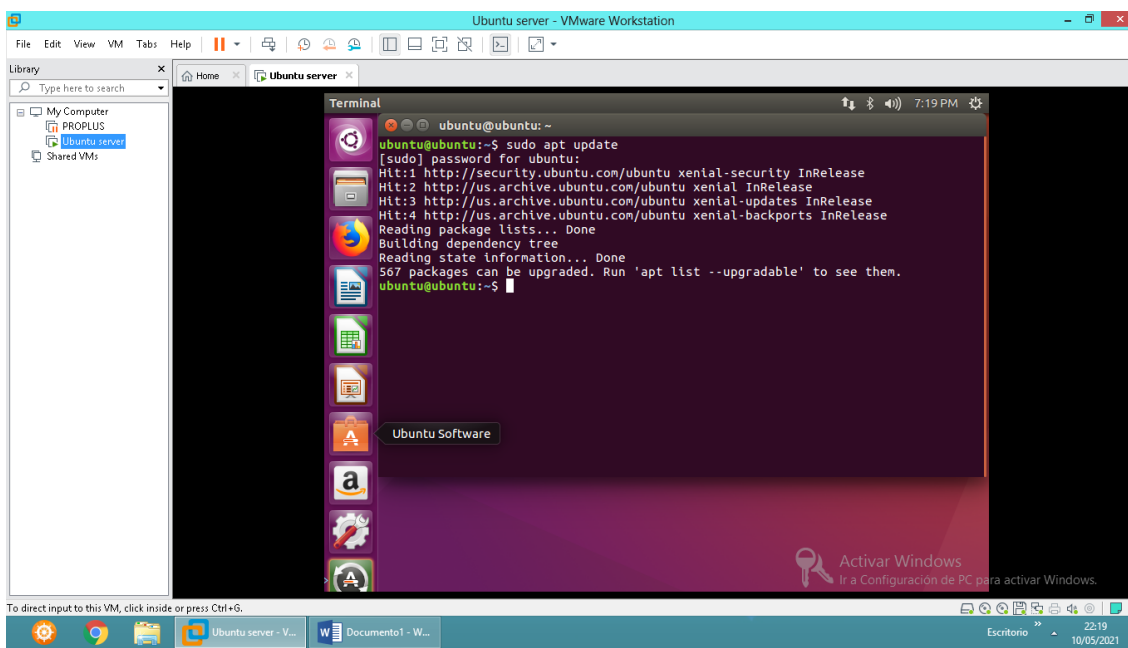
GRUPO: 1

PRACTICA N°3

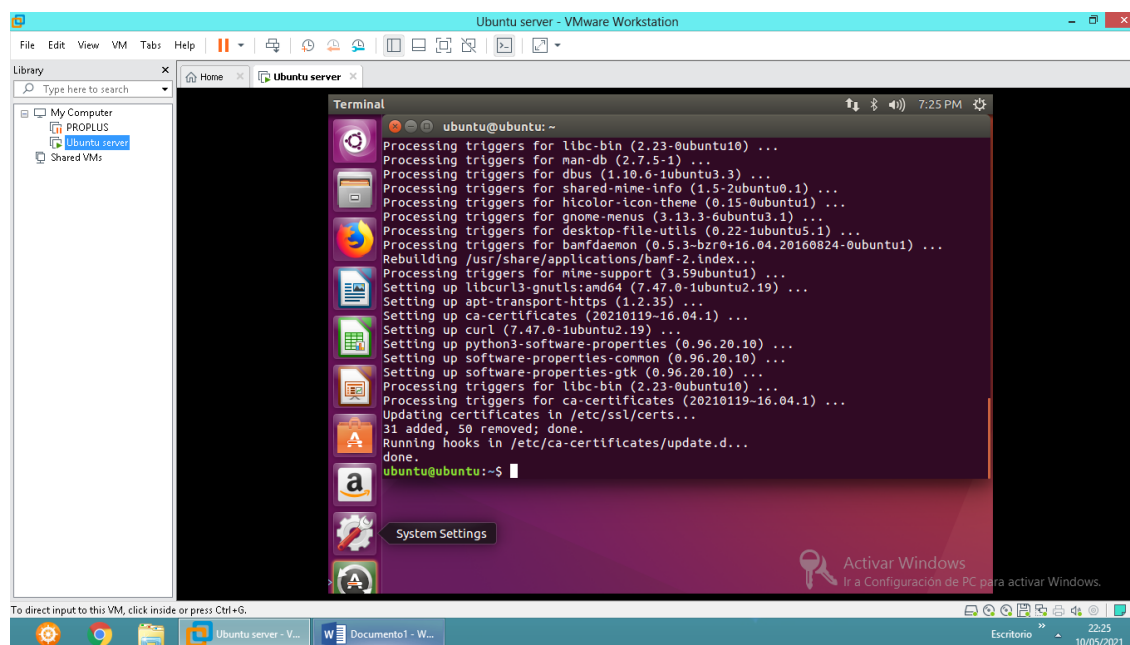
Para la realización de la practica se utilizo el sistema operativo ya existente linux Ubuntu 12.04 instalada a traves de un archivo formato .ova en la maquina virtual VMware Workstation Pro.



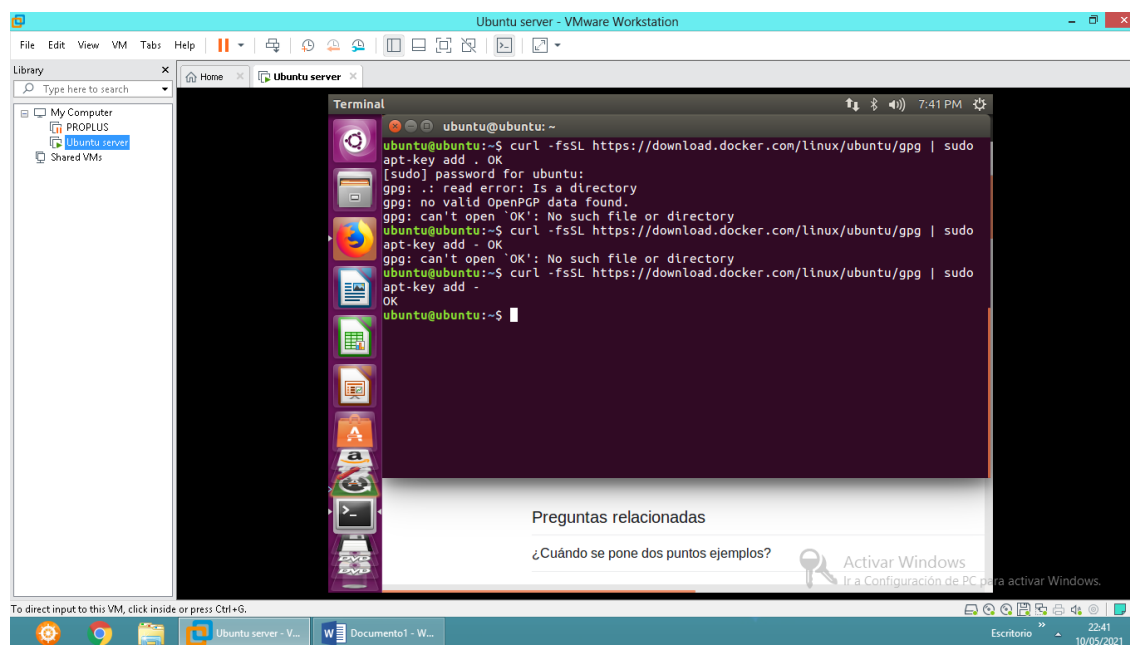
INSTALACION DE DOCKER



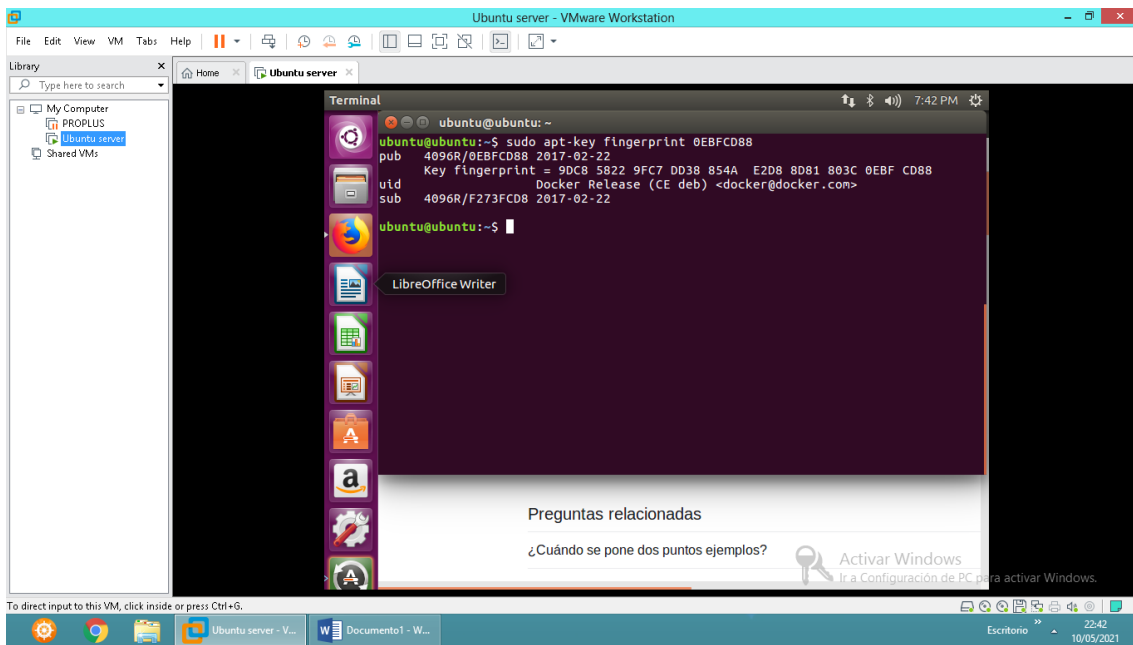
2. Agregamos dependencias



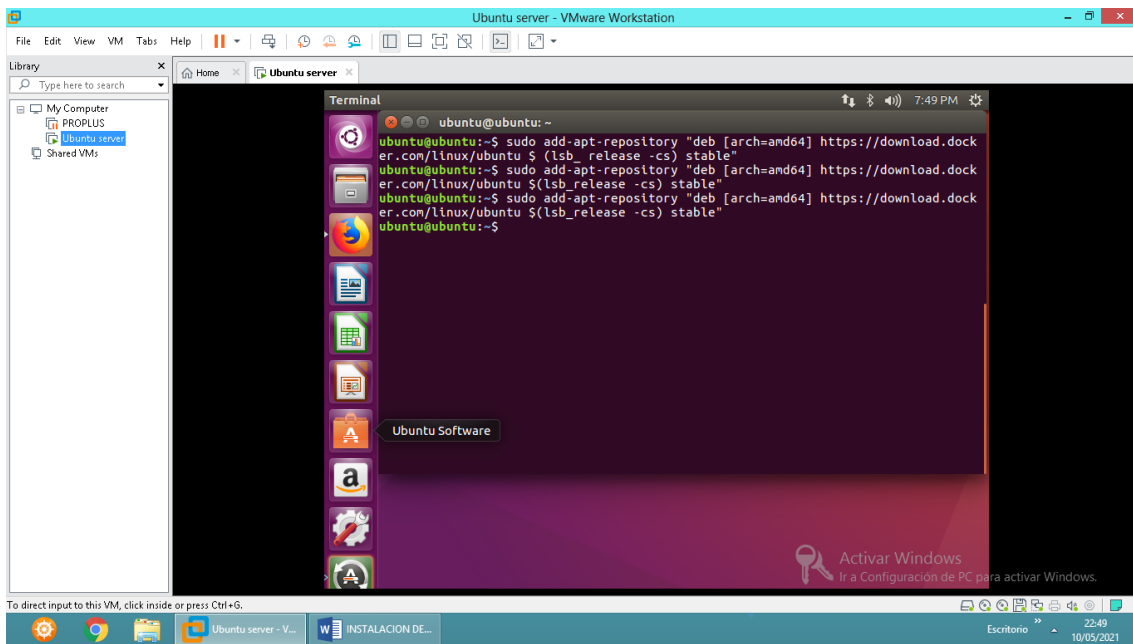
3. Agregando la llave gpg



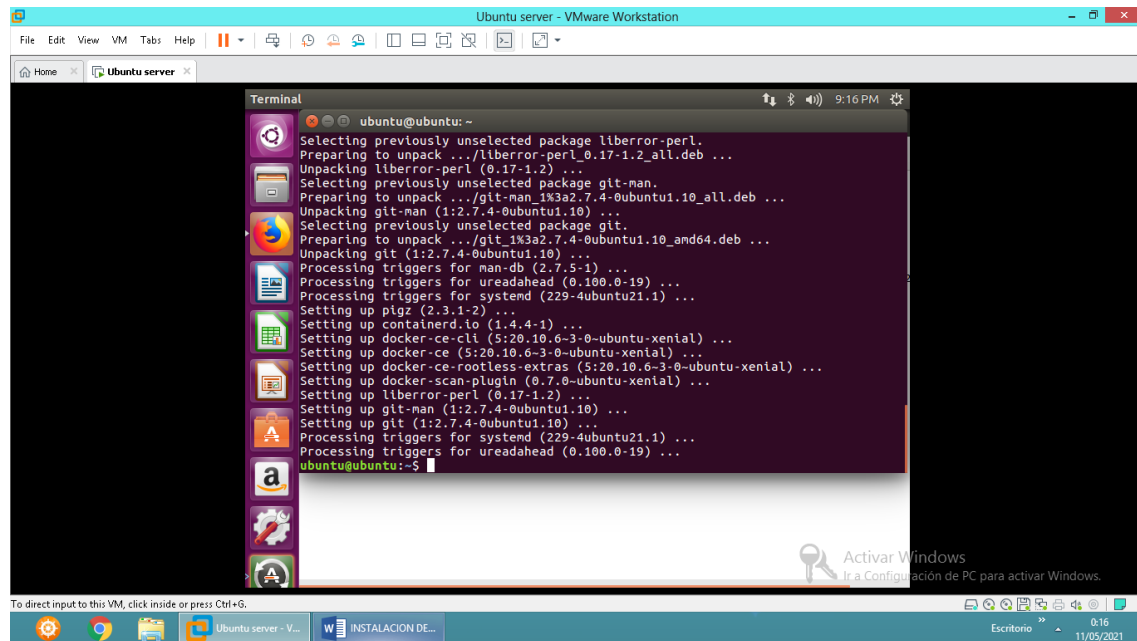
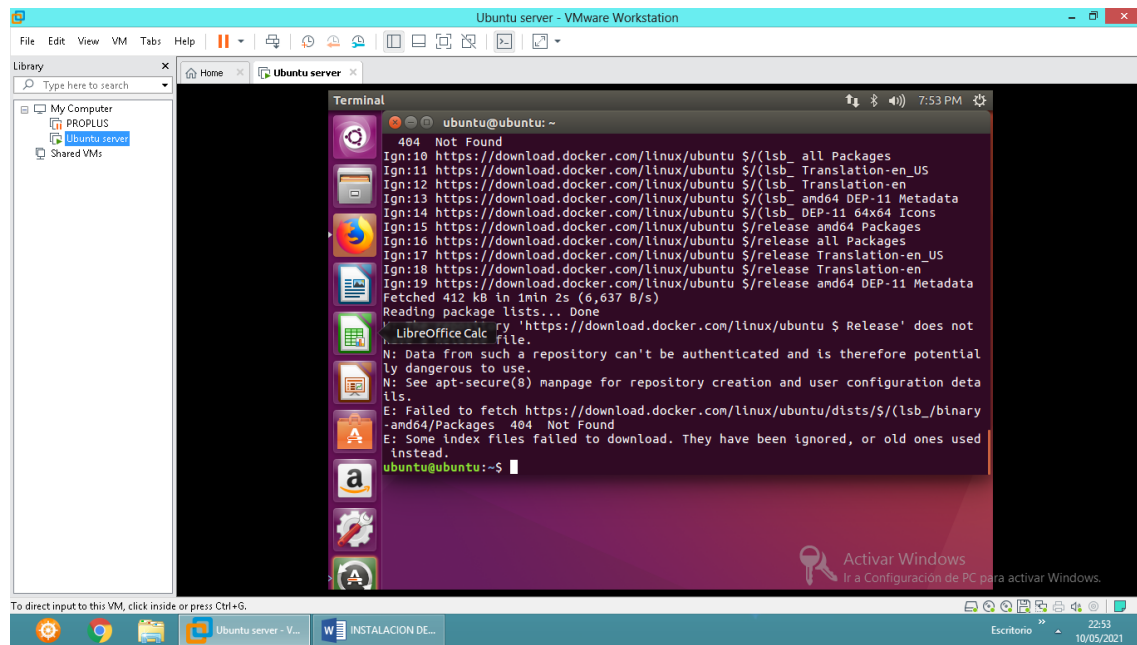
4. Verificación de fingerprint



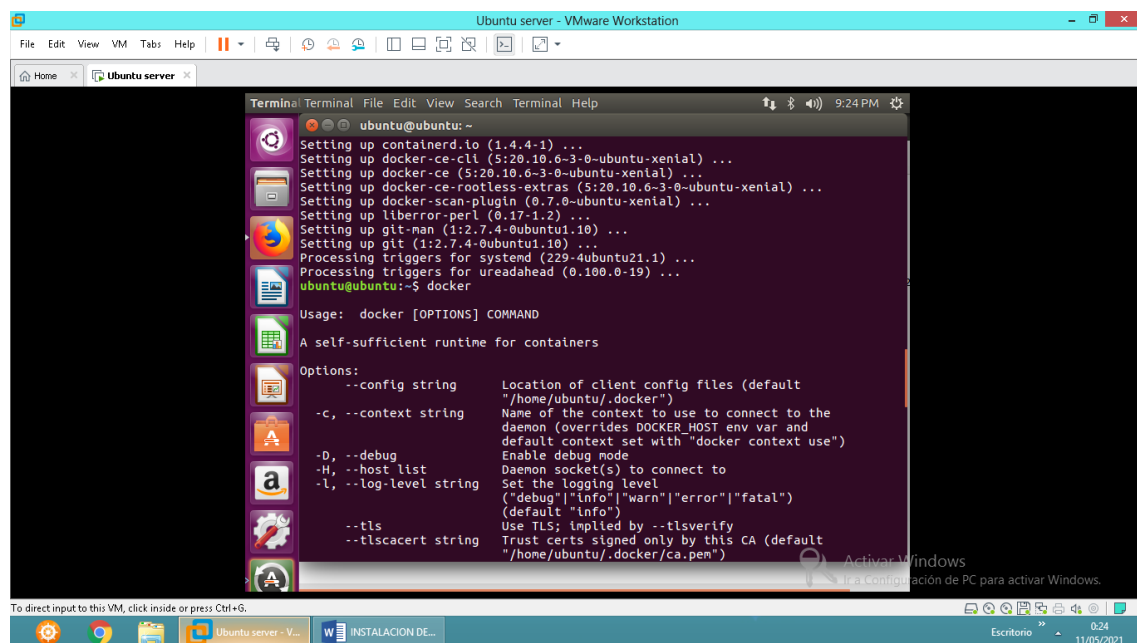
5. Agregamos el repositorio



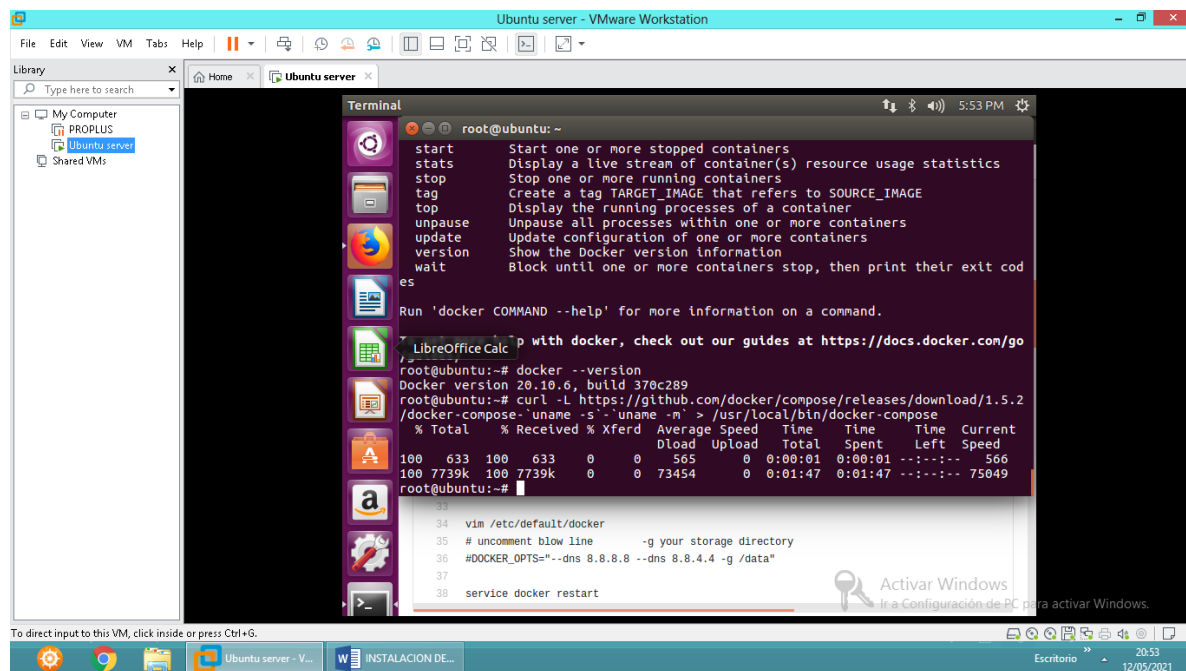
6. Instalación de Docker ENGINE



7. Comprobación de que Docker se haya instalado correctamente



```
ubuntu@ubuntu:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
Setting up containerd.io (1.4.4-1) ...
Setting up docker-ce-cli (5:20.10.6-3-0-ubuntu-xenial) ...
Setting up docker-ce (5:20.10.6-3-0-ubuntu-xenial) ...
Setting up docker-ce-rootless-extras (5:20.10.6-3-0-ubuntu-xenial) ...
Setting up docker-compose-plugin (0.7.0-ubuntu-xenial) ...
Setting up liberror-perl (0.17-1.2) ...
Setting up git-man (1:2.7.4-0ubuntu1.10) ...
Setting up git (1:2.7.4-0ubuntu1.10) ...
Processing triggers for systemd (229-4ubuntu21.1) ...
Processing triggers for ureadahead (0.100.0-19) ...
ubuntu@ubuntu:~$ docker
Usage: docker [OPTIONS] COMMAND
A self-sufficient runtime for containers
Options:
  --config string      Location of client config files (default "/home/ubuntu/.docker")
  -c, --context string  Name of the context to use to connect to the daemon (overrides DOCKER_HOST env var and default context set with "docker context use")
  -D, --debug           Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level ("debug"|"info"|"warn"|"error"|"fatal") (default "info")
  --tls                Use TLS; implied by --tlsverify
  --tlscacert string    Trust certs signed only by this CA (default "/home/ubuntu/.docker/ca.pem")
```



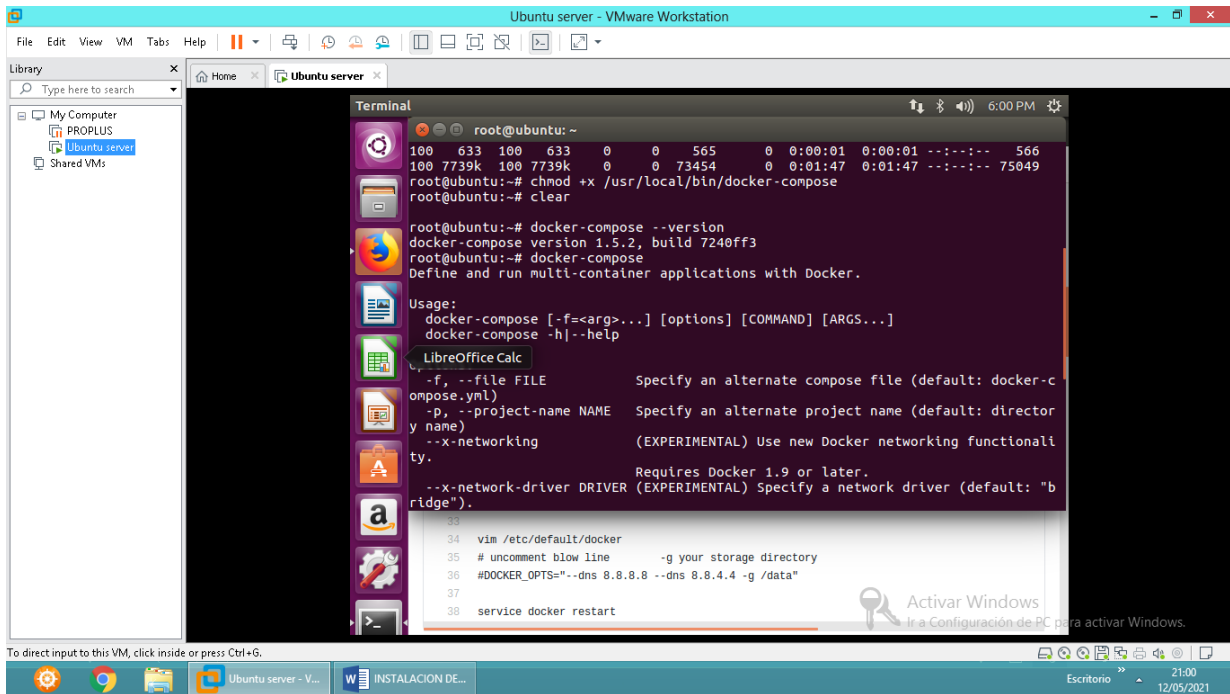
```
root@ubuntu:~# docker --help
start      Start one or more stopped containers
stats      Display a live stream of container(s) resource usage statistics
stop       Stop one or more running containers
tag        Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
top        Display the running processes of a container
unpause    Unpause all processes within one or more containers
update     Update configuration of one or more containers
version    Show the Docker version information
wait       Block until one or more containers stop, then print their exit codes
es

Run 'docker COMMAND --help' for more information on a command.

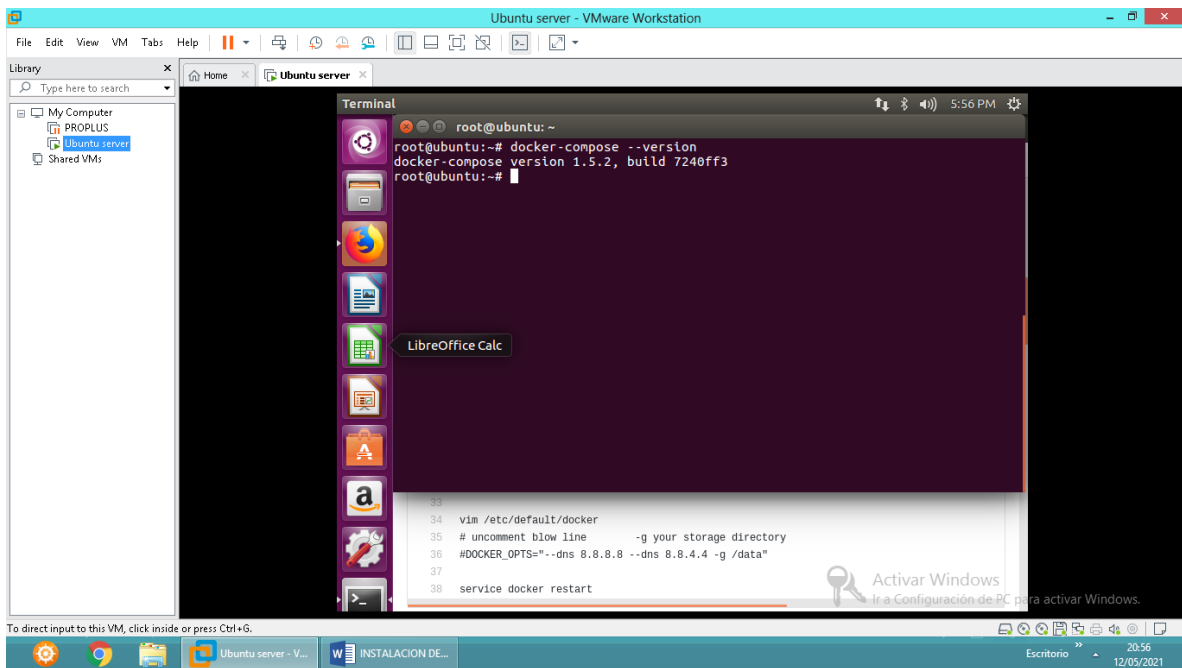
LibreOffice Calc p with docker, check out our guides at https://docs.docker.com/go

root@ubuntu:~# docker --version
Docker version 20.10.6, build 370c289
root@ubuntu:~# curl -L https://github.com/docker/compose/releases/download/1.5.2/docker-compose -u'uname -s' -u'uname -m' > /usr/local/bin/docker-compose
% Total % Received % Xferd Average Speed Time Time Time Current
100 633 100 633 0 0 565 0 0:00:01 0:00:01 --:--:-- 566
100 7739k 100 7739k 0 0 73454 0 0:01:47 0:01:47 --:--:-- 75049
root@ubuntu:~# vim /etc/default/docker
# uncomment blow line -g your storage directory
#DOCKER_OPTS="--dns 8.8.8.8 --dns 8.8.4.4 -g /data"
service docker restart
```

INSTALACION DE DOCKER-COMPOSE



```
root@ubuntu: ~  
100 633 100 633 0 0 565 0 0:00:01 0:00:01 --:--:-- 566  
100 7739k 100 7739k 0 0 73454 0 0:01:47 0:01:47 --:--:-- 75049  
root@ubuntu:~# chmod +x /usr/local/bin/docker-compose  
root@ubuntu:~# clear  
  
root@ubuntu:~# docker-compose --version  
docker-compose version 1.5.2, build 7240ff3  
root@ubuntu:~# docker-compose  
Define and run multi-container applications with Docker.  
  
Usage:  
  docker-compose [-f<arg>...] [options] [COMMAND] [ARGS...]  
  docker-compose -h|--help  
  
-f, --file FILE             Specify an alternate compose file (default: docker-c  
ompose.yml)  
-p, --project-name NAME     Specify an alternate project name (default: director  
y name)  
--x-networking              (EXPERIMENTAL) Use new Docker networking functionali  
ty.  
                             Requires Docker 1.9 or later.  
--x-network-driver DRIVER  (EXPERIMENTAL) Specify a network driver (default: "b  
ridge").  
33  
34 vim /etc/default/docker  
35 # uncomment blow line          -g your storage directory  
36 #DOCKER_OPTS="--dns 8.8.8.8 --dns 8.8.4.4 -g /data"  
37  
38 service docker restart
```



```
root@ubuntu: ~  
root@ubuntu:~# docker-compose --version  
docker-compose version 1.5.2, build 7240ff3  
root@ubuntu:~#  
  
33  
34 vim /etc/default/docker  
35 # uncomment blow line          -g your storage directory  
36 #DOCKER_OPTS="--dns 8.8.8.8 --dns 8.8.4.4 -g /data"  
37  
38 service docker restart
```

LEVANTANDO UN SERVIDOR

