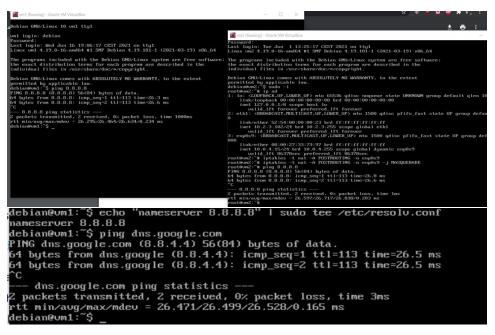
## Linux lab 245693

## Preparation:

```
C:\Users\break\Desktop\routinglab>vboxmanage modifyvm vm2 --nic3 nat
C:\Users\break\Desktop\routinglab>
C:\Users\break\Desktop\routinglab>vboxmanage modifyvm vm2 --nic3 nat
C:\Users\break\Desktop\routinglab>start-vms.cmd
```



```
root@um2:"# apt-get update
Hit:1 http://security.debian.org buster/updates InRelease
Hit:2 http://deb.debian.org/debian buster InRelease
Hit:3 http://deb.debian.org/debian buster-updates InRelease
Hit:4 http://deb.debian.org/debian buster-backports InRelease
Reading package lists... Done
root@um2:"# apt-get install openssh-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
Openssh-server is already the newest version (1:7.9p1-10+deb10u2).
O upgraded, O newly installed, O to remove and O not upgraded.
root@um2:"#

root@um2:"# sudo systemctl status sshd

ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: a
Active: active (running) since Wed 2021-06-16 19:06:25 CEST; 2h 55min left
Docs: man:sshd(8)
man:sshd_config(5)

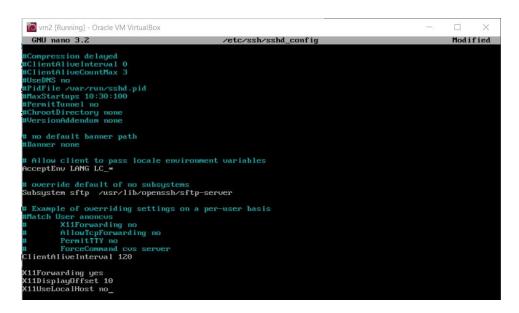
Process: 545 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS:
Main PID: 558 (sshd)
Tasks: 1 (limit: 393)
Memory: 2.0M
CGroup: /system.slice/ssh.service
```

```
CGroup: /system.slice/ssh.service

-558 /usr/sbin/sshd -D
Jun 16 19:06:24 um2 systemd[1]: Starting OpenBSD Secure Shell server...
Jun 16 19:06:25 um2 sshd[558]: Server listening on 0.0.0.0 port 22.
Jun 16 19:06:25 um2 systemd[1]: Started OpenBSD Secure Shell server.
Jun 16 19:06:25 um2 sshd[558]: Server listening on :: port 22.
root@um2:~#
 tcp 0 0 0.0.0.0:22
tcp6 0 0 :::22
 tcp
tcp6
                                                                                                            558/sshd
558/sshd
                                                           0.0.0.0:*
                                                                                            LISTEN
LISTEN
 root@um2:"#
root@vm2:~# sudo ufw enable
Firewall is active and enabled on system startup
root@vm2:~# sudo ufw allow ssh
Rule added
Rule added (v6)
root@um2:~#
 root@um2:"# sudo systemctl list-unit-files | grep enabled | grep ssh
ssh.service enabled
ssh.service
sshd.service
rootQvm2:~# sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /lib/systemd/systemd-sysv-install
Executing: /lib/systemd/systemd-sysv-install enable ssh
root@vm2:~#_
```

```
vm2 [Running] - Oracle VM VirtualBox
   GNU nano 3.2
                                                                        /etc/ssh/sshd_config
                                                                                                                                                       Modified
               $OpenBSD: sshd_config.u 1.103 2018/04/09 20:41:22 tj Exp $
 # This is the sshd server system-wide configuration file. See
# sshd_config(5) for more information.
    This sshd was compiled with PATH=/usr/bin:/bin:/usr/sbin:/sbin
    The strategy used for options in the default sshd_config shipped with OpenSSH is to specify options with their default value where possible, but leave them commented. Uncommented options override the default value.
  Port 2222
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::
  #HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key
  # Ciphers and keying
#RekeuLimit default none
   Logging
SyslogFacility AUTH
LogLevel INFO
  root@vm2:~# sudo ufw allow from 10.1.2.0/24 to any port 2222
 Rule added
  root@um2:~#
  vm2 [Running] - Oracle VM VirtualBox
  GNU nano 3.2
                                                                      /etc/ssh/sshd config
                                                                                                                                                      Modified
 #HostKey /etc/ssh/ssh_host_rsa_key
#HostKey /etc/ssh/ssh_host_ecdsa_key
#HostKey /etc/ssh/ssh_host_ed25519_key
 # Ciphers and keying
#RekeyLimit default none
 # Logging
#SyslogFacility AUTH
#LogLevel INFO
#LoginGraceTime Zm
PermitRootLogin no_
  StrictModes yes
MaxAuthTries 6
MaxSessions 10
# Expect .ssh/authorized_keys2 to be disregarded by default in future.
#AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2
 #AuthorizedPrincipalsFile none
#AuthorizedKeysCommand none
#AuthorizedKeysCommandUser nobody
root@um2:~# systemctl restart sshd
root@um2:~# systemctl status sshd
    ssh.service - OpenBSD Secure Shell server
Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: ena
Active: active (running) since Wed 2021-06-16 16:17:13 CEST; 4s ago
          Docs: man:sshd(8)
                      man:sshd_config(5)
  Process: Z102 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS) Main PID: Z103 (sshd)
      Tasks: 1 (limit: 393)
Memory: 1.2M
      CGroup: /system.slice/ssh.service

-2103 /usr/sbin/sshd -D
Jun 16 16:17:13 vm2 systemd[1]: Starting OpenBSD Secure Shell server...
Jun 16 16:17:13 vm2 sshd[2103]: Server listening on 0.0.0.0 port 2222.
Jun 16 16:17:13 vm2 sshd[2103]: Server listening on :: port 2222.
Jun 16 16:17:13 vm2 systemd[1]: Started OpenBSD Secure Shell server.
```



Then I got the problem with virtual machine so I couldn't fix it and continue the lab

