**Part 1:**

**1.**

┌──(kali㉿kali)-[~]

└─$ uname -a

Linux kali 5.18.0-kali7-amd64 #1 SMP PREEMPT\_DYNAMIC Debian 5.18.16-1kali1 (2022-08-31) x86\_64 GNU/Linux

**2.**

┌──(kali㉿kali)-[~]

└─$ lsmod

Module Size Used by

sunrpc 659456 1

rfkill 32768 2

qrtr 49152 4

vboxsf 45056 1

intel\_rapl\_msr 20480 0

intel\_rapl\_common 28672 1 intel\_rapl\_msr

joydev 28672 0

snd\_intel8x0 49152 2

snd\_ac97\_codec 176128 1 snd\_intel8x0

pcspkr 16384 0

ac97\_bus 16384 1 snd\_ac97\_codec

snd\_pcm 155648 2 snd\_intel8x0,snd\_ac97\_codec

serio\_raw 20480 0

snd\_timer 45056 1 snd\_pcm

ac 20480 0

snd 118784 8 snd\_intel8x0,snd\_timer,snd\_ac97\_codec,snd\_pcm

soundcore 16384 1 snd

evdev 28672 10

vboxguest 49152 6 vboxsf

sg 40960 0

binfmt\_misc 24576 1

fuse 172032 9

configfs 57344 1

ip\_tables 36864 0

x\_tables 57344 1 ip\_tables

autofs4 53248 2

ext4 954368 1

crc16 16384 1 ext4

mbcache 16384 1 ext4

jbd2 163840 1 ext4

crc32c\_generic 16384 0

hid\_generic 16384 0

usbhid 65536 0

hid 155648 2 usbhid,hid\_generic

crc32\_pclmul 16384 0

crc32c\_intel 24576 2

ghash\_clmulni\_intel 16384 0

sd\_mod 61440 1

t10\_pi 16384 1 sd\_mod

crc64\_rocksoft\_generic 16384 1

crc64\_rocksoft 20480 1 t10\_pi

crc\_t10dif 20480 1 t10\_pi

crct10dif\_generic 16384 0

crct10dif\_pclmul 16384 1

crc64 20480 2 crc64\_rocksoft,crc64\_rocksoft\_generic

crct10dif\_common 16384 3 crct10dif\_generic,crc\_t10dif,crct10dif\_pclmul

sr\_mod 28672 0

cdrom 73728 1 sr\_mod

ohci\_pci 20480 0

ehci\_pci 20480 0

ohci\_hcd 61440 1 ohci\_pci

ehci\_hcd 98304 1 ehci\_pci

aesni\_intel 380928 0

crypto\_simd 16384 1 aesni\_intel

ata\_generic 16384 0

cryptd 28672 2 crypto\_simd,ghash\_clmulni\_intel

i2c\_piix4 28672 0

usbcore 331776 5 ohci\_hcd,ehci\_pci,usbhid,ehci\_hcd,ohci\_pci

ahci 49152 1

libahci 49152 1 ahci

ata\_piix 45056 0

button 24576 0

vmwgfx 380928 2

drm\_ttm\_helper 16384 1 vmwgfx

ttm 86016 2 vmwgfx,drm\_ttm\_helper

drm\_kms\_helper 196608 1 vmwgfx

libata 385024 4 ata\_piix,libahci,ahci,ata\_generic

video 57344 0

scsi\_mod 270336 4 sd\_mod,libata,sg,sr\_mod

usb\_common 16384 3 ohci\_hcd,usbcore,ehci\_hcd

psmouse 184320 0

drm 622592 6 vmwgfx,drm\_kms\_helper,drm\_ttm\_helper,ttm

e1000 163840 0

scsi\_common 16384 4 scsi\_mod,libata,sg,sr\_mod

┌──(kali㉿kali)-[~]

└─$

**3.**

┌──(kali㉿kali)-[~]

└─$ sudo sysctl -a | grep ip\_forward

[sudo] password for kali:

net.ipv4.ip\_forward = 1

net.ipv4.ip\_forward\_update\_priority = 1

net.ipv4.ip\_forward\_use\_pmtu = 0

┌──(kali㉿kali)-[~]

└─$ sudo sysctl -w net.ipv4.ip\_forward=1

net.ipv4.ip\_forward = 1

┌──(kali㉿kali)-[~]

└─$

**4.**

┌──(kali㉿kali)-[~]

└─$ sudo mousepad /etc/sysctl.conf

┌──(kali㉿kali)-[~]

└─$ grep ip\_forward /etc/sysctl.conf

net.ipv4.ip\_forward=1

┌──(kali㉿kali)-[~]

└─$ sudo mousepad /etc/sysctl.conf

┌──(kali㉿kali)-[~]

└─$ grep ip\_forward /etc/sysctl.conf

net.ipv4.ip\_forward=0

**5.**

┌──(kali㉿kali)-[~]

└─$ modinfo rfkill

filename: /lib/modules/5.18.0-kali7-amd64/kernel/net/rfkill/rfkill.ko

alias: devname:rfkill

alias: char-major-10-242

license: GPL

description: RF switch support

author: Johannes Berg <johannes@sipsolutions.net>

author: Ivo van Doorn <IvDoorn@gmail.com>

depends:

retpoline: Y

intree: Y

name: rfkill

vermagic: 5.18.0-kali7-amd64 SMP preempt mod\_unload modversions

parm: master\_switch\_mode:SW\_RFKILL\_ALL ON should: 0=do nothing (only unlock); 1=restore; 2=unblock all (uint)

parm: default\_state:Default initial state for all radio types, 0 = radio off (uint)

**Part 2:**

┌──(kali㉿kali)-[~]

└─$ ls -l /etc/rc5.d | grep postgresql

lrwxrwxrwx 1 root root 20 Aug 8 06:09 S01postgresql -> ../init.d/postgresql