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Step 1: Commands to get kvm and virtual manager installed

Check if hardware supports virtualization

egrep -c '(vmx|svm)' /proc/cpuinfo

kvm-ok

sudo apt-get update

sudo apt -y install bridge-utils cpu-checker libvirt-clients libvirt-daemon qemu qemu-kvm

sudo apt-get install qemu-system -y

sudo systemctl enable –now libvirtd

kvm-ok

sudo /usr/sbin/kvm-ok

sudo apt install qemu-kvm libvirt-clients libvirt-daemon-system bridge-utils

sudo adduser Ommmi1 libvirt

sudo adduser Ommmi1 kvm

sudo apt install virt-manager

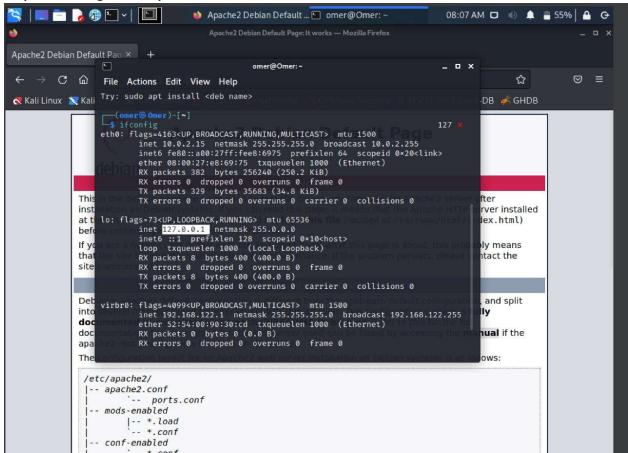
virt-manager

sudo apt install qemu-kvm ovmf+

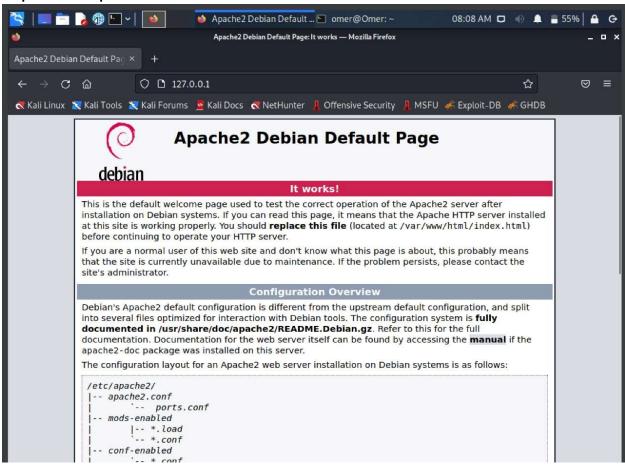




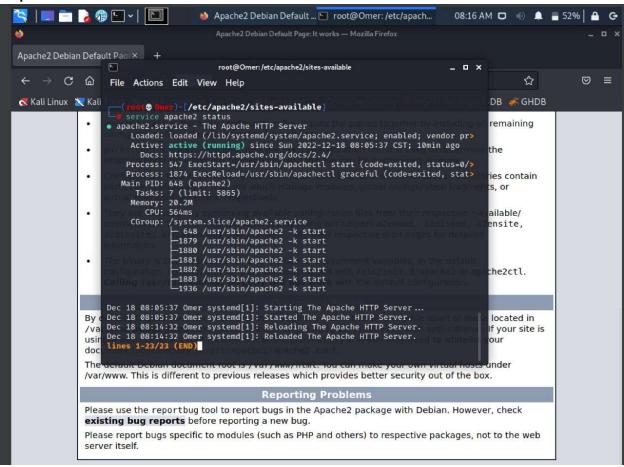
Step 3: Checking default ip to check server



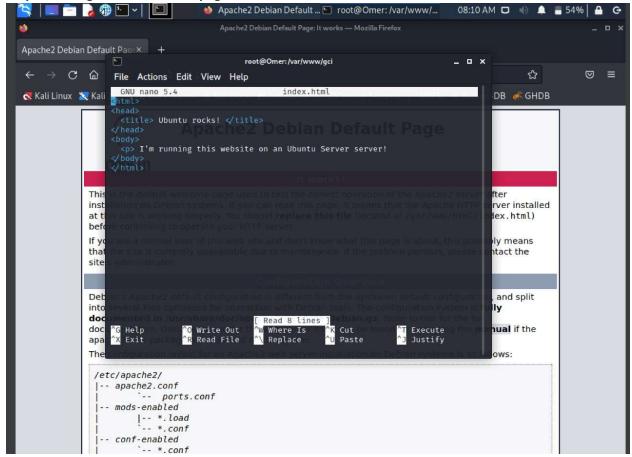
Step 4: Default ip on the browser



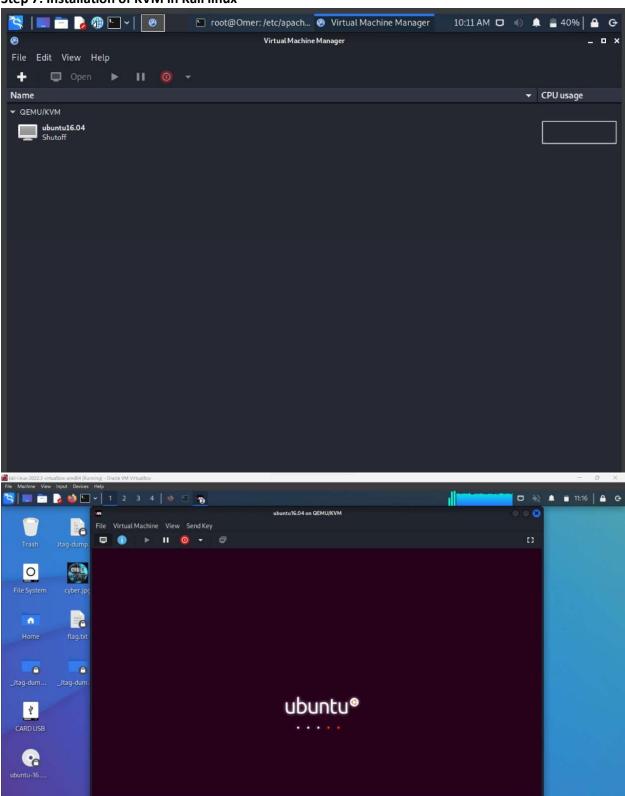
Step 5: Check the status of server

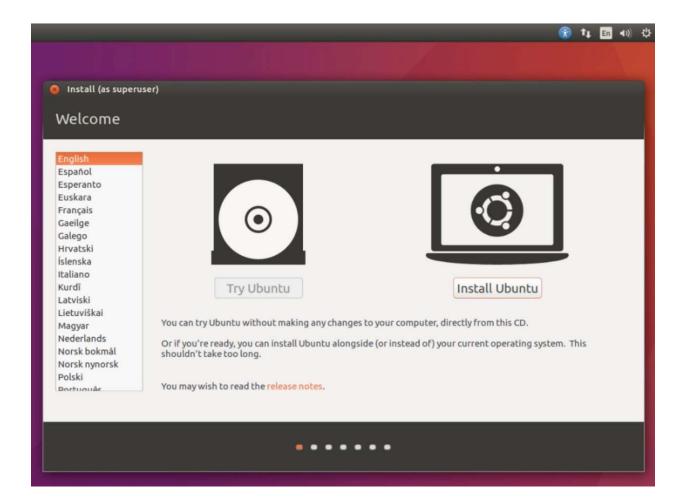


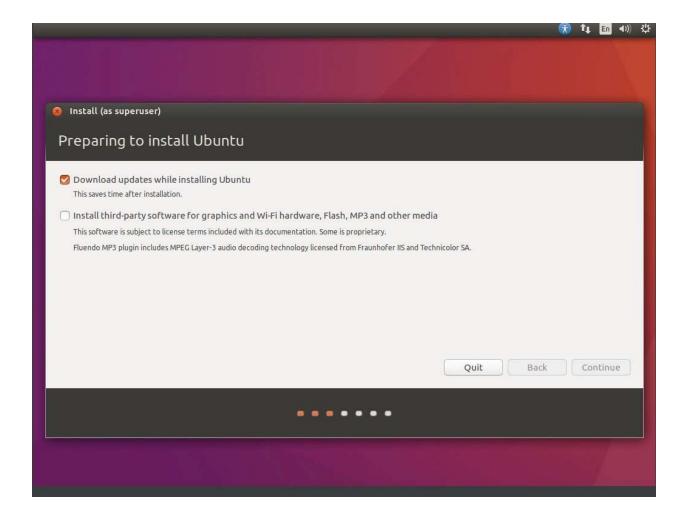
Step 6: Editing the default html page

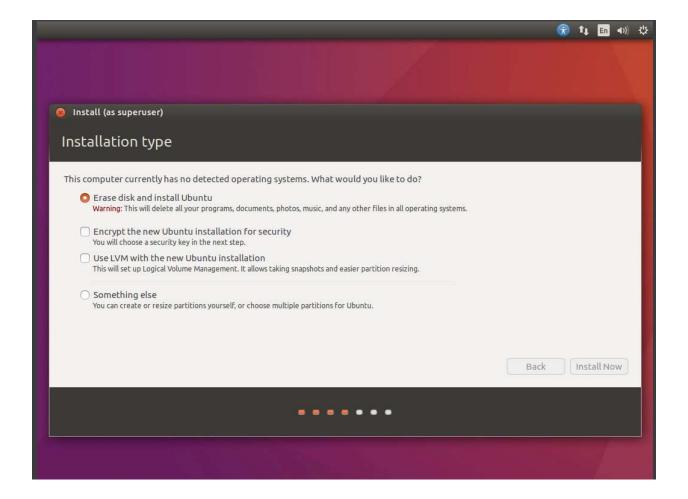


Step 7: Installation of KVM in Kali linux

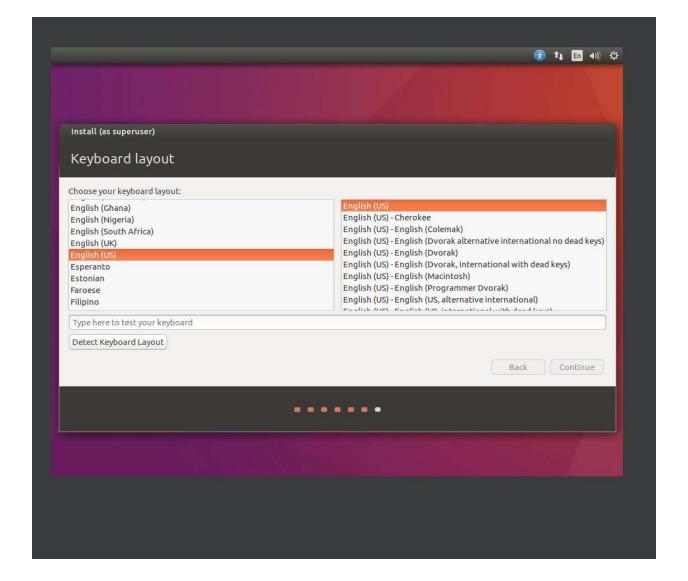


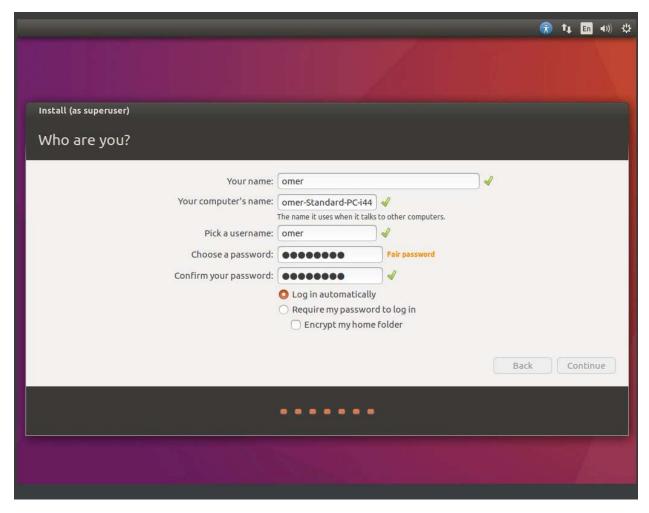






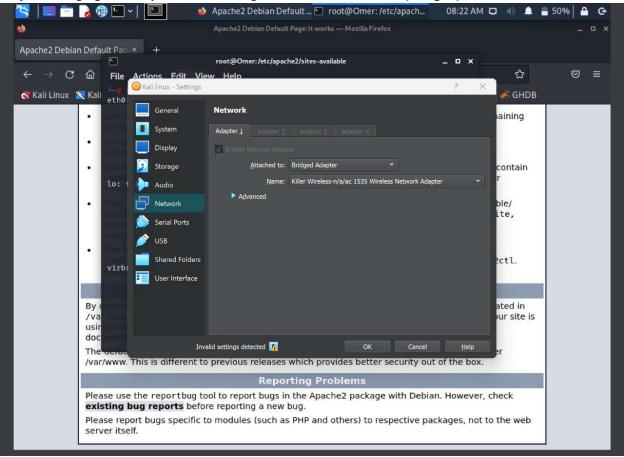


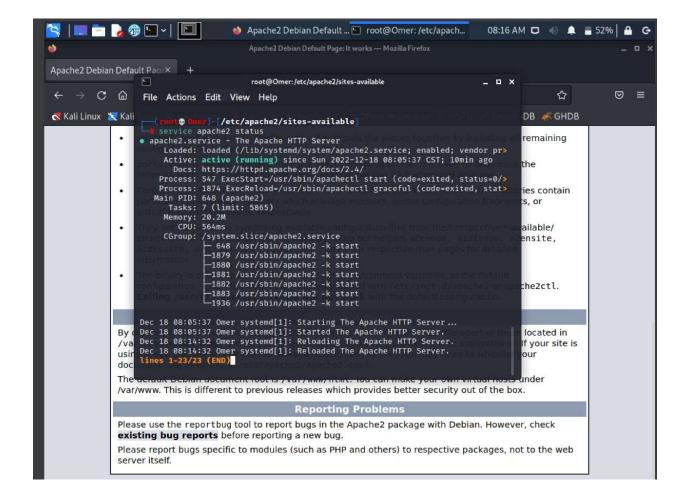




Note: Apache not installed in KVM because of available resources

Step 8: Changing the adapter for accessing outside virtual machine(Bridged)





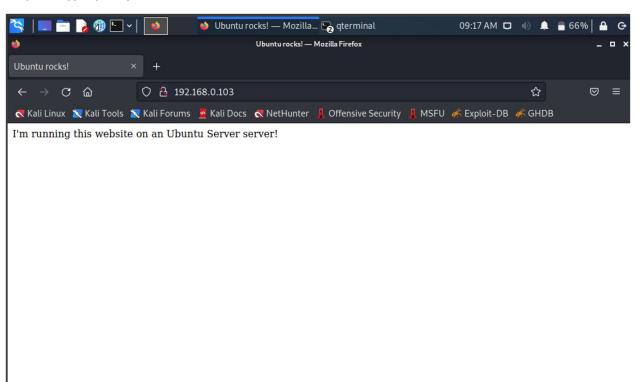
Step 9: Pinging the server from windows machine

```
C:\Users\Omer>ping 192.168.0.103

Pinging 192.168.0.103 with 32 bytes of data:
Reply from 192.168.0.103: bytes=32 time=3ms TTL=64
Reply from 192.168.0.103: bytes=32 time=1ms TTL=64
Reply from 192.168.0.103: bytes=32 time=1ms TTL=64
Reply from 192.168.0.103: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.0.103:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 3ms, Average = 1ms</pre>
```

Step 10: Type ip on your browser(Linux)



Step 11: Type ip on your browser(Windows)

