

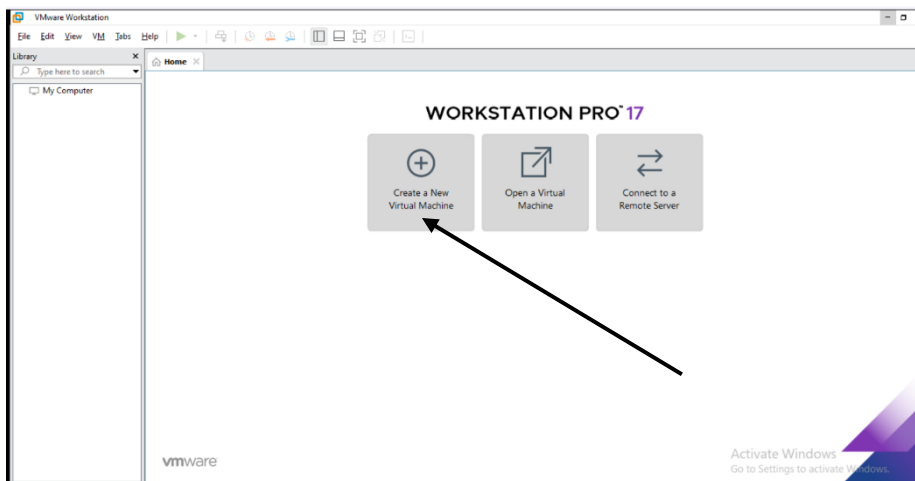
Linux

Installation of Linux (CentOS)

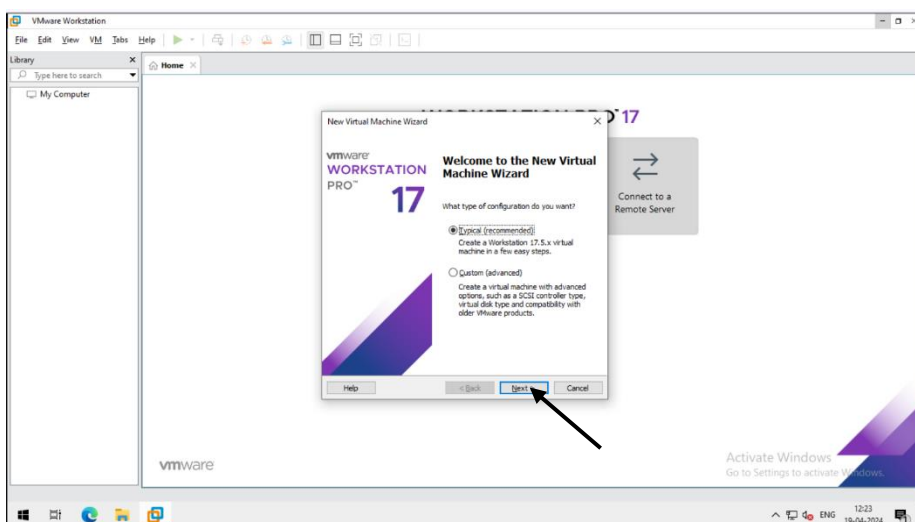
1. Go inside the VMware workstation



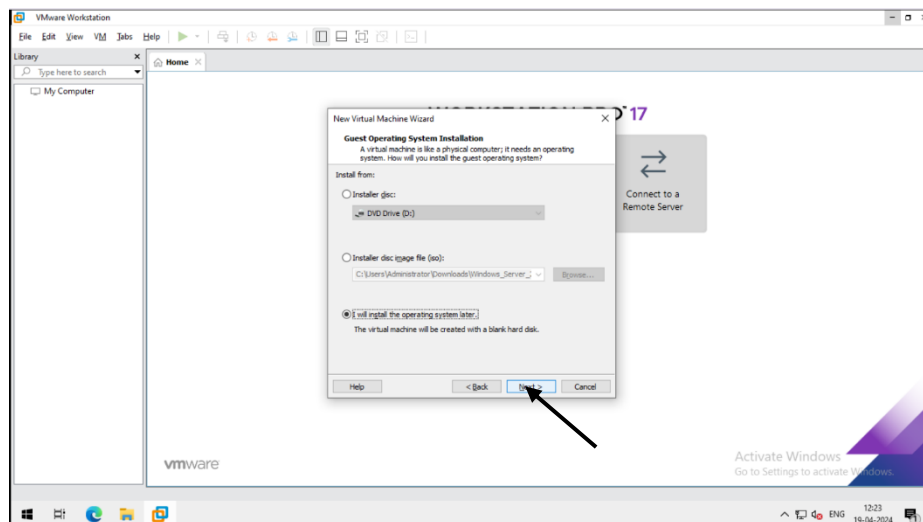
2. Create a New Virtual Machine



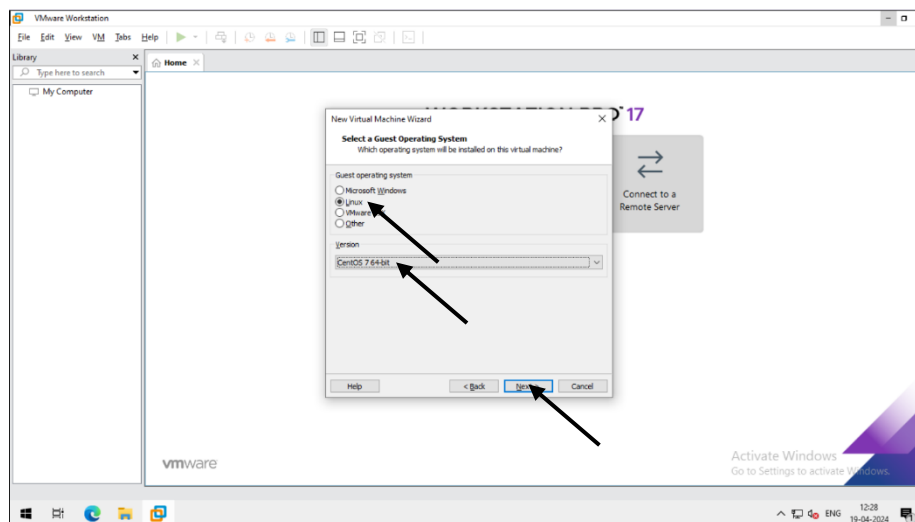
3. Next



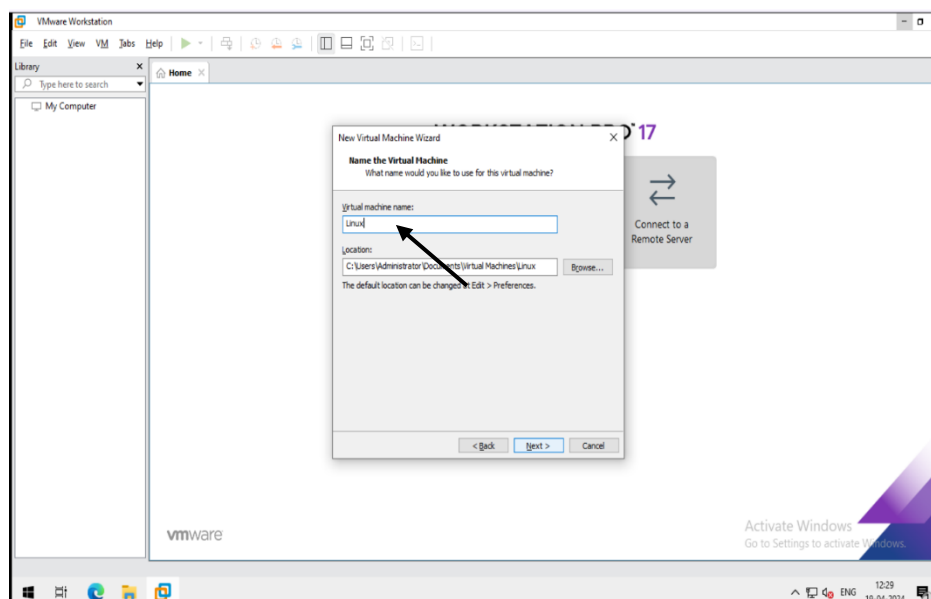
4. Next



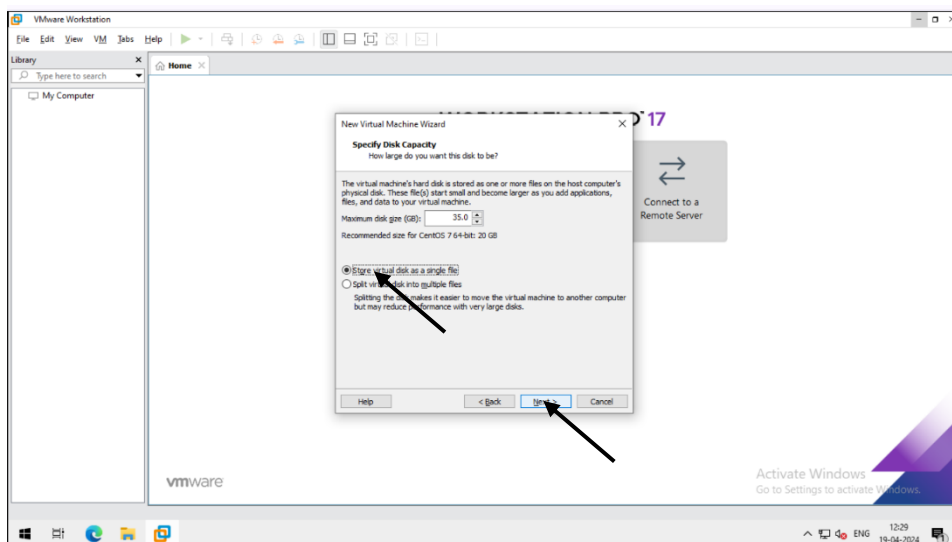
5. Choose Linux and Version CentOS 7 64-bit and click Next



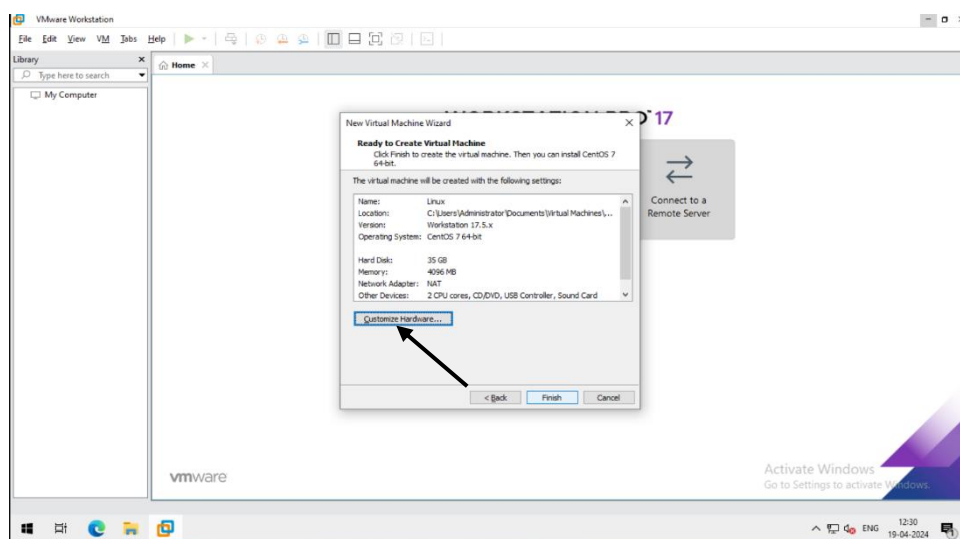
6. Enter the Virtual Machine Name



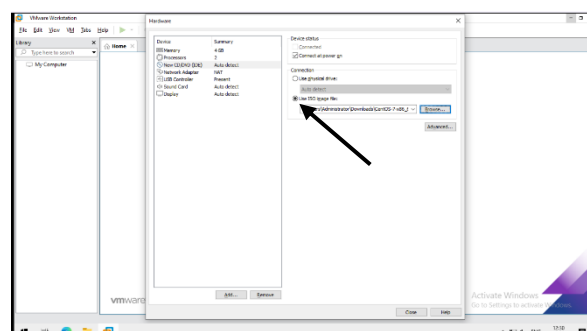
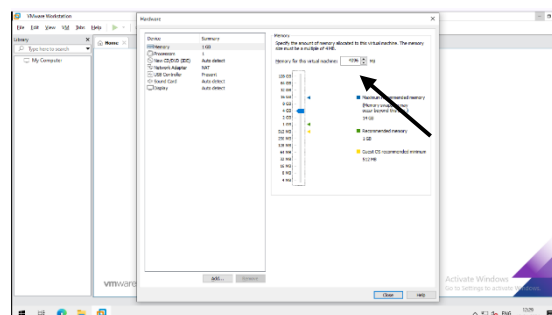
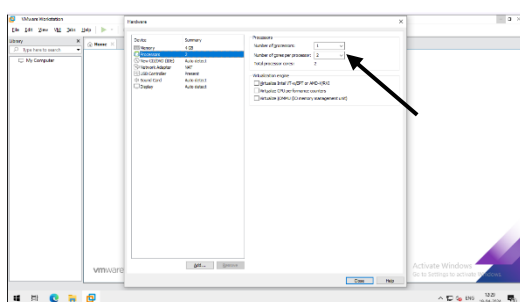
7. Choose the disk size and store the virtual disk as a single file and Next



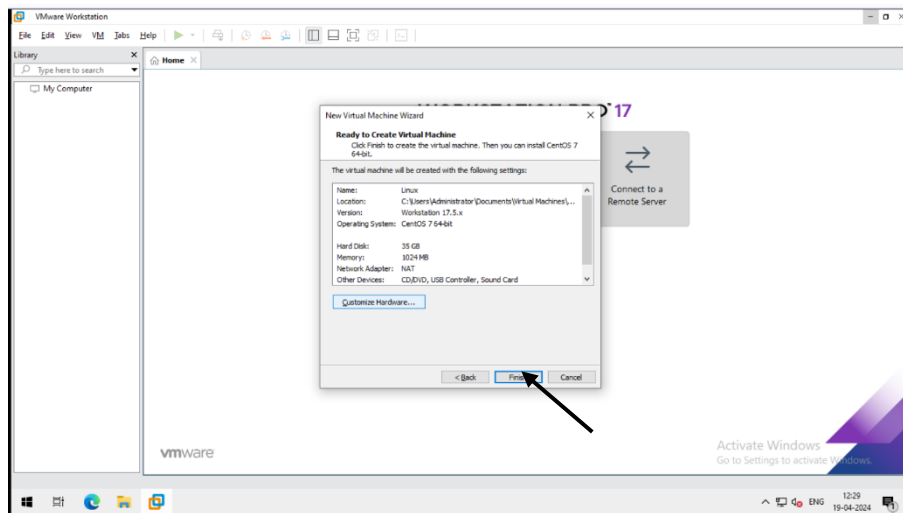
8. Click on Customize Hardware...



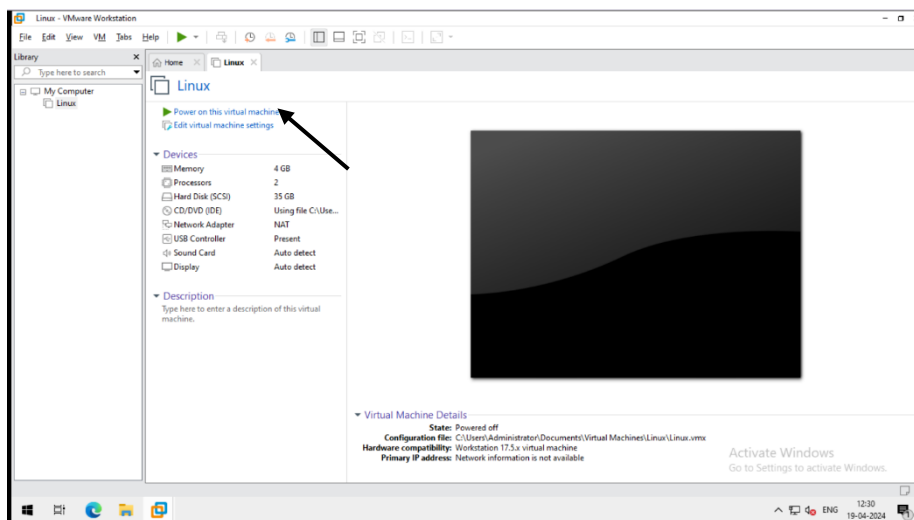
9. Add the memory size and processors, and attach New CD/DVD (IDE)



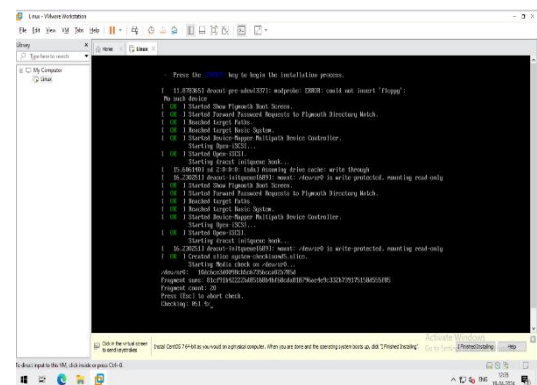
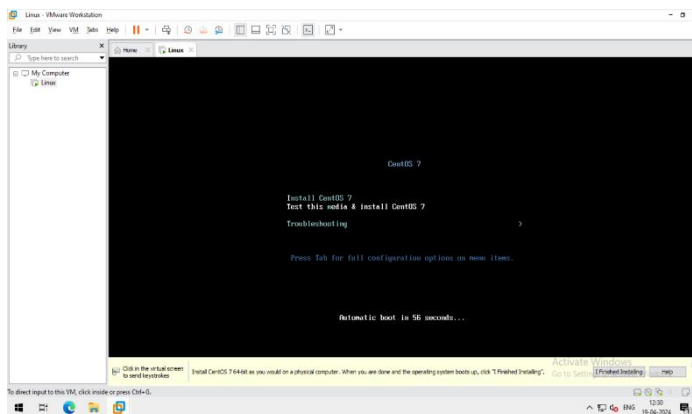
10. Finish



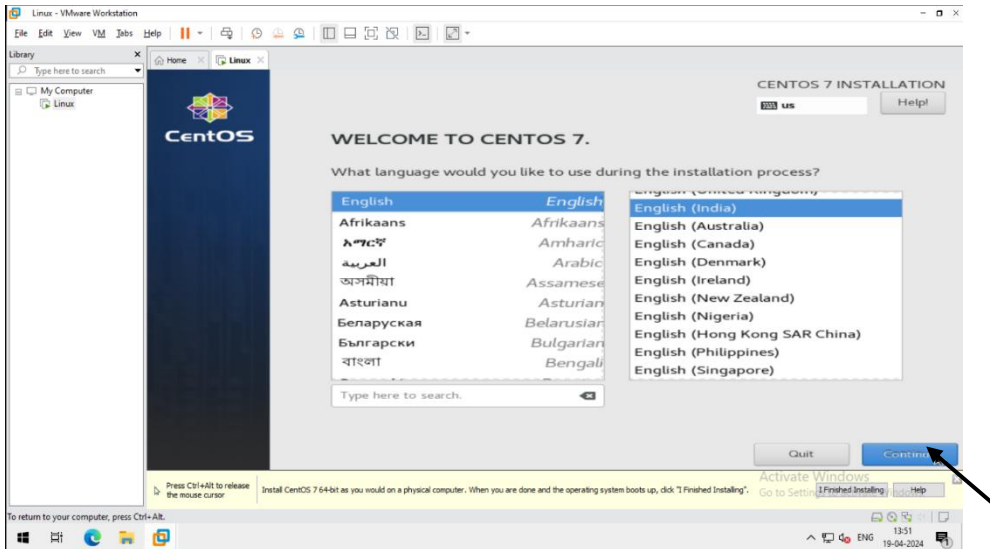
11. Power on the VM



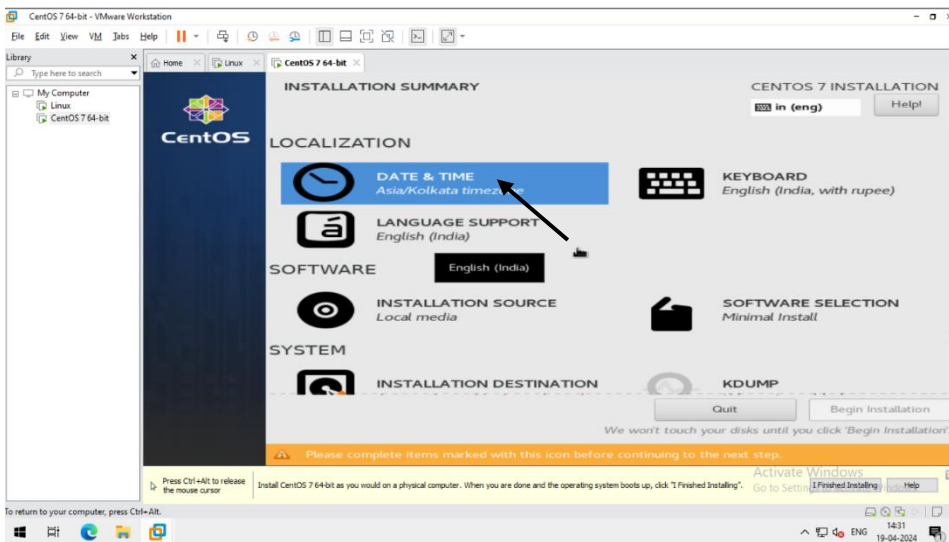
12. CentOS Installing start



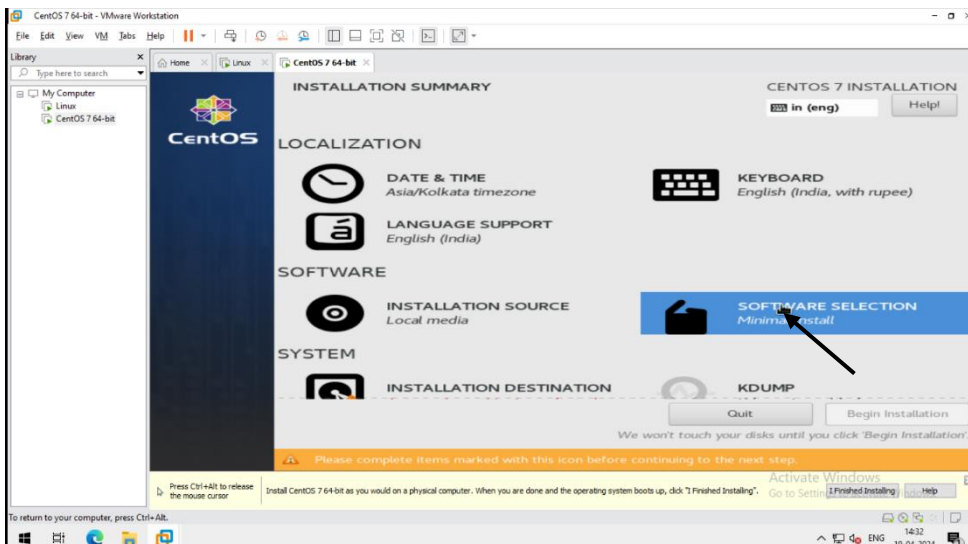
13. Choose the language English(India)



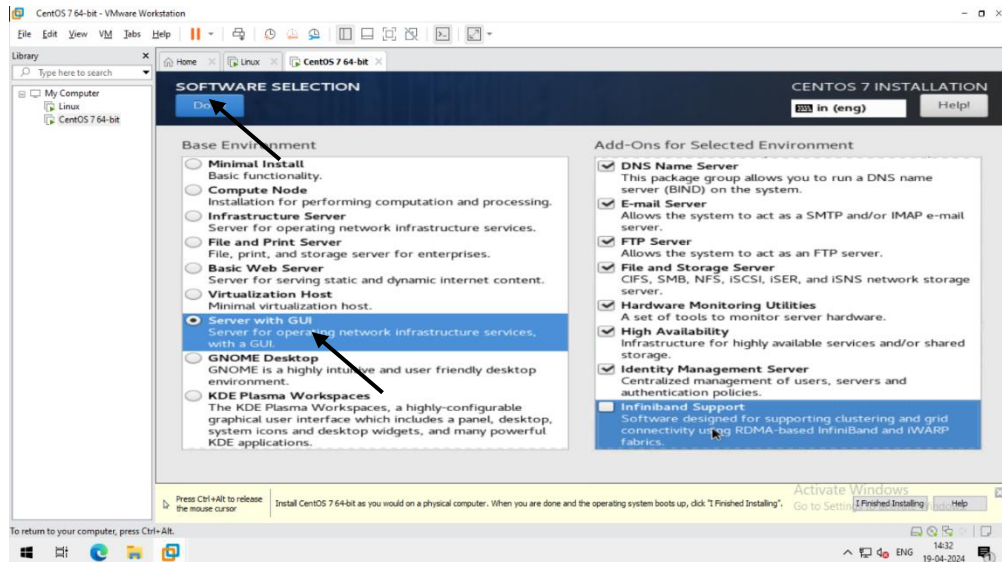
14. Time Zone (Asia/Kolkata)



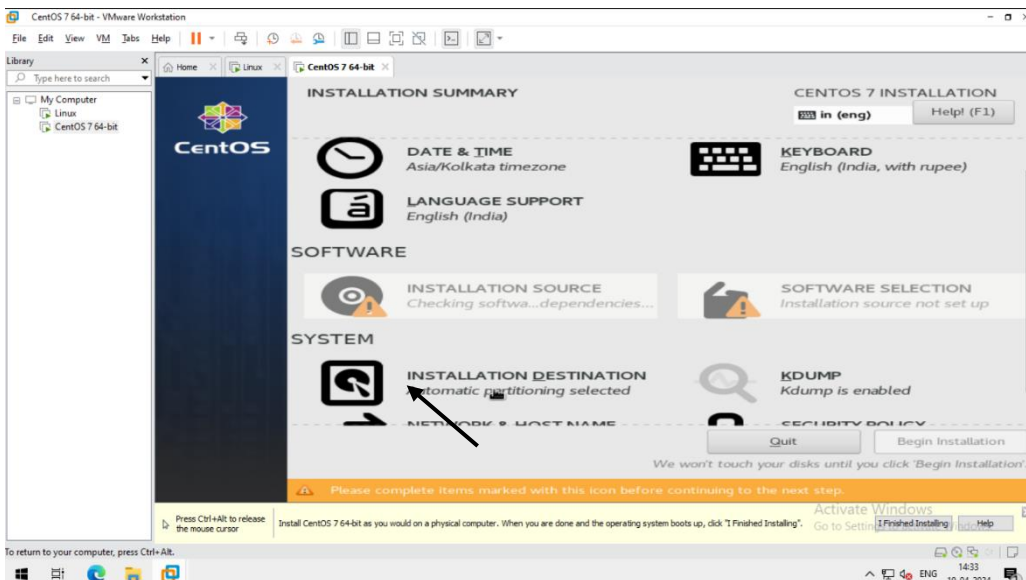
15. Click Software Selection



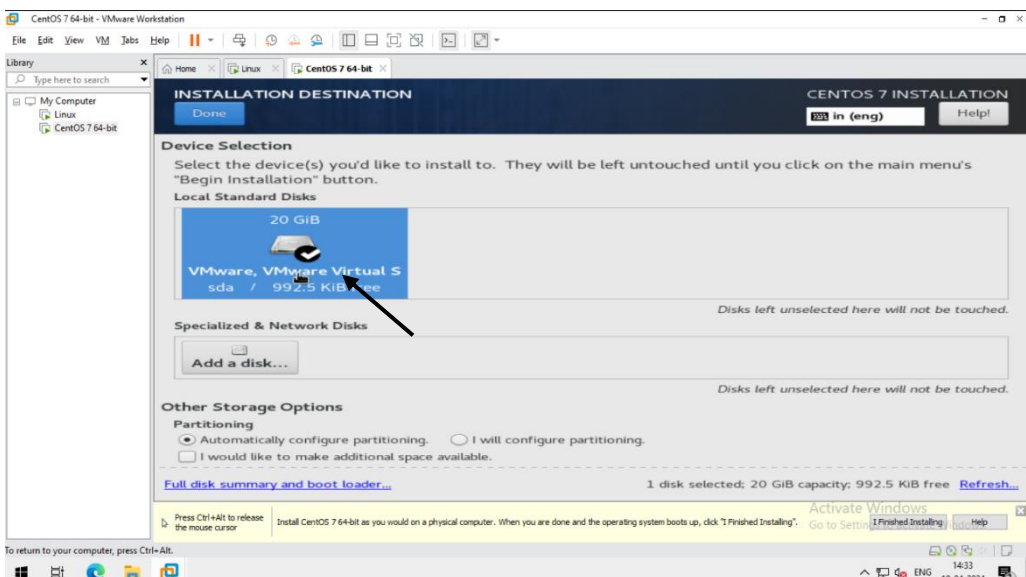
16. Choose Server with GUI and add all Environment



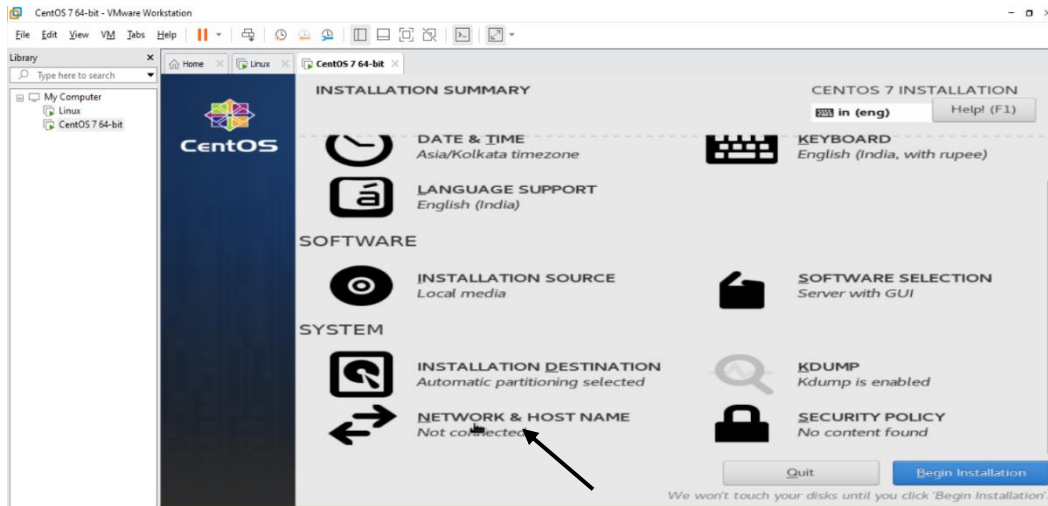
17. Choose installation Destination



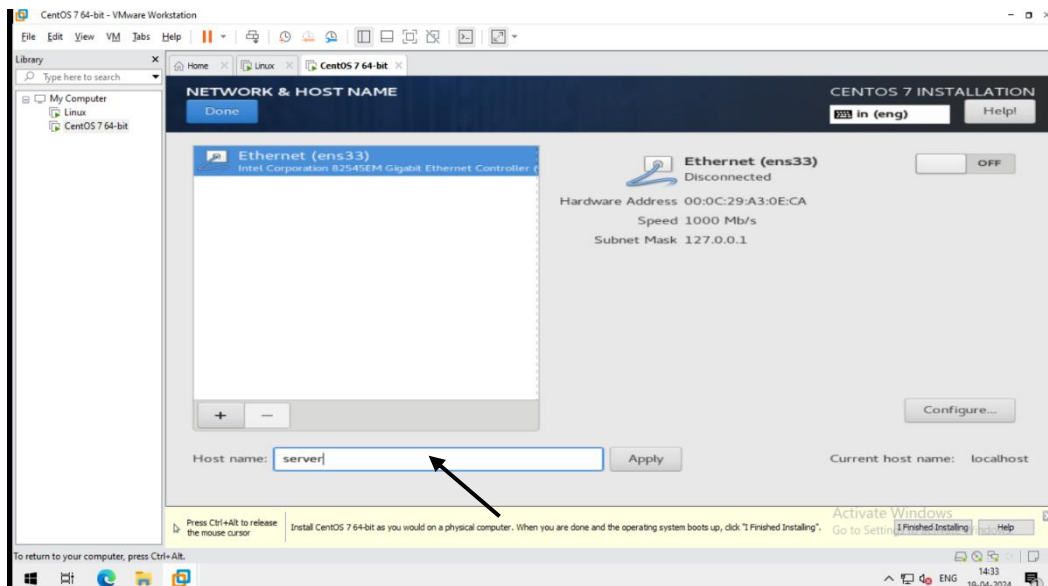
18. Click the Local standard disk



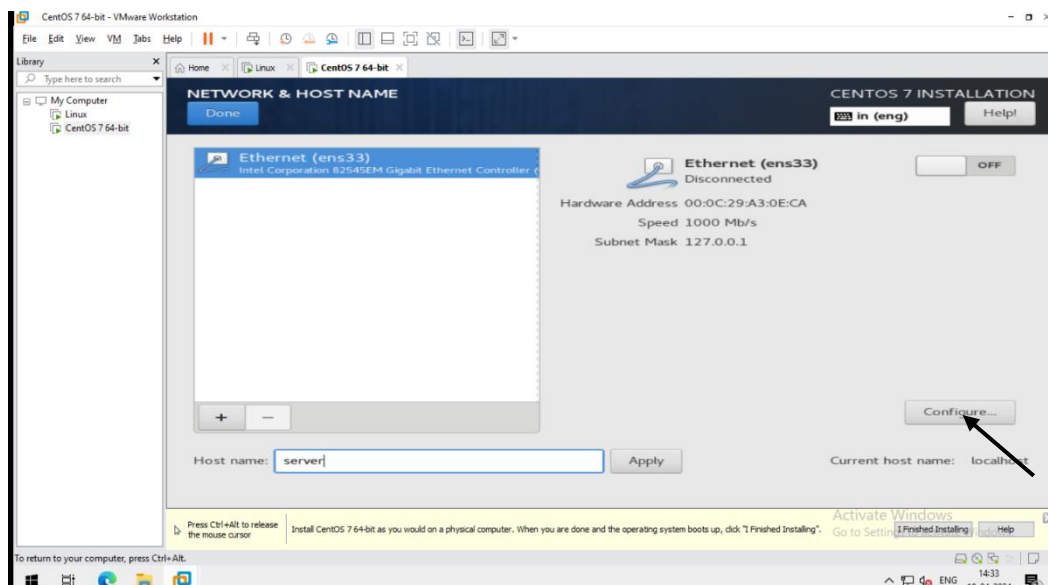
19. Choose Network & hostname



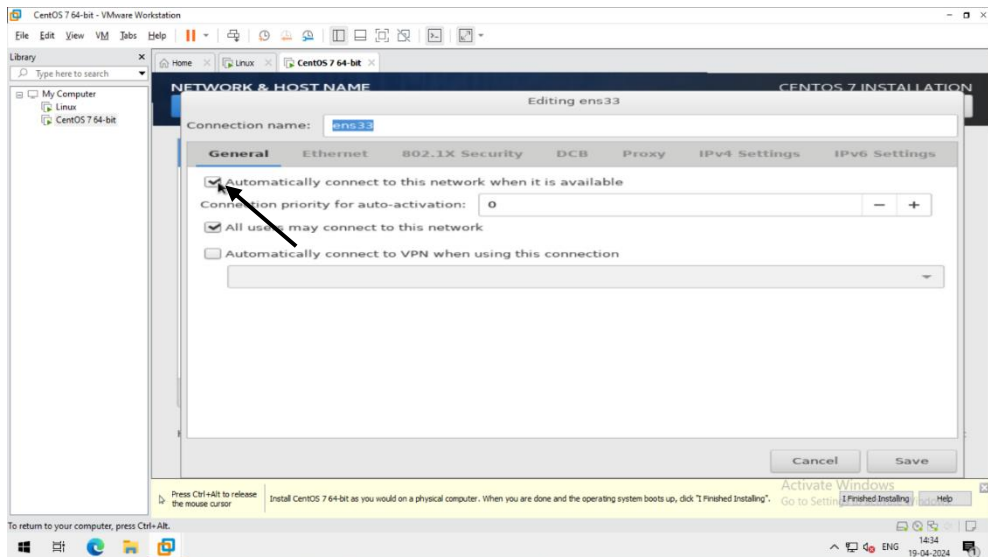
20. Give the hostname



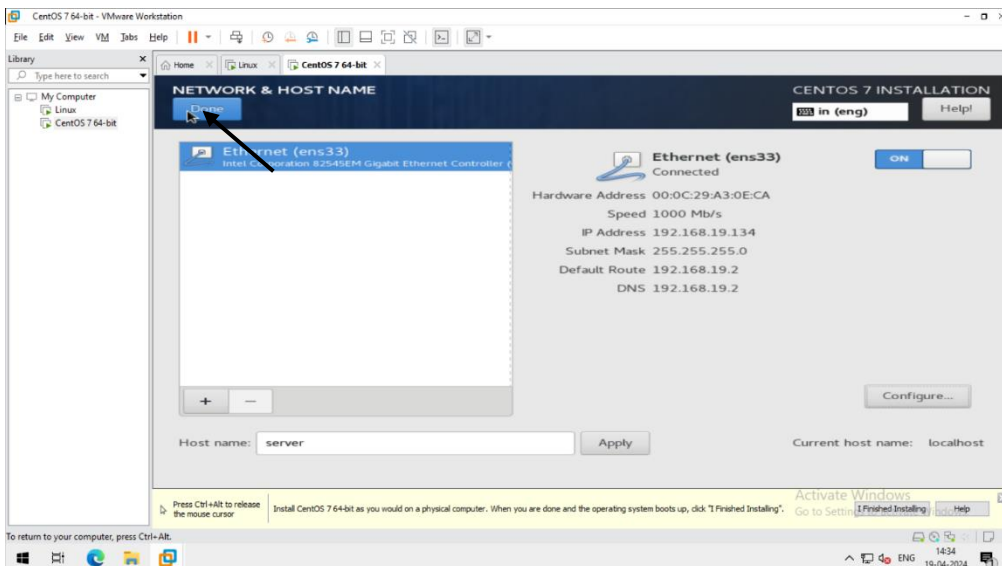
21. Go to Configure...



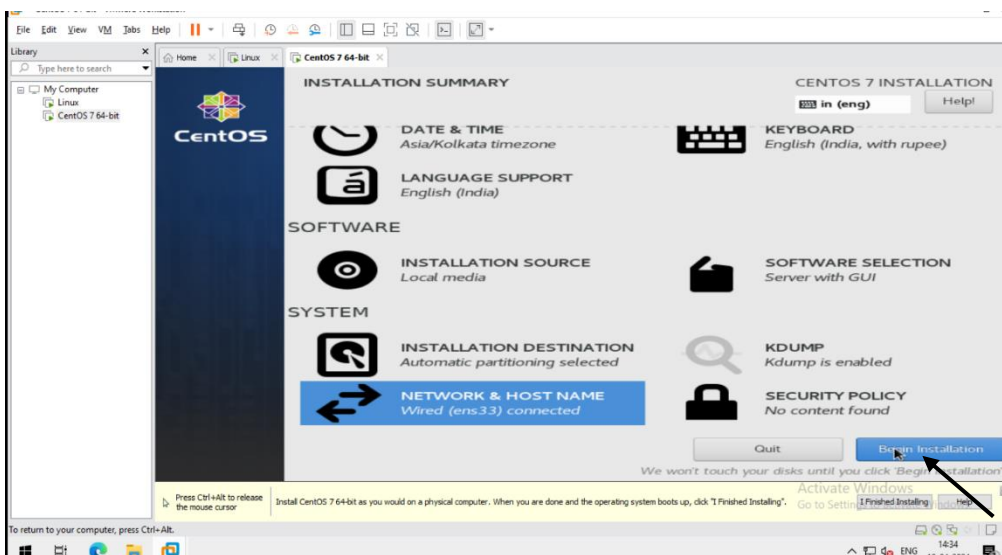
22. In general tick automatically connects to this network when it is available



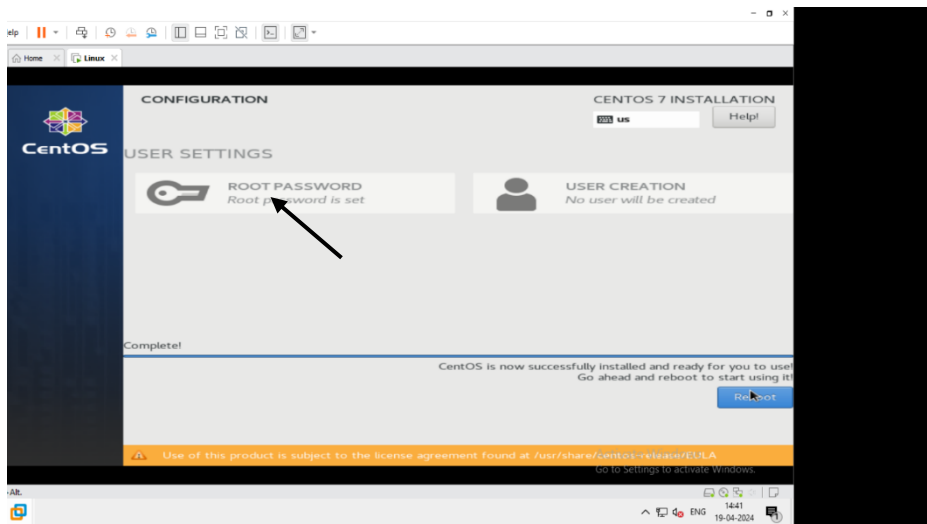
23. Click Done



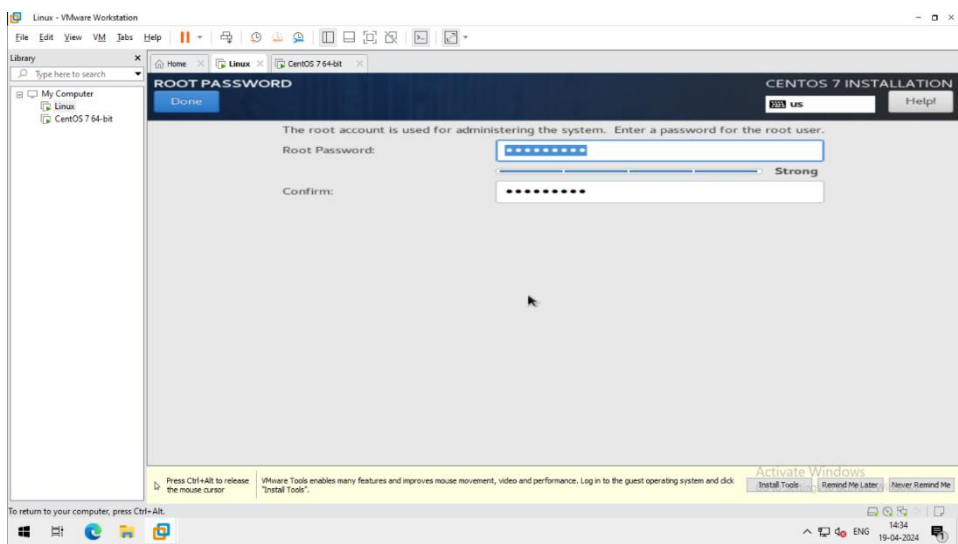
24. Click Begin installation



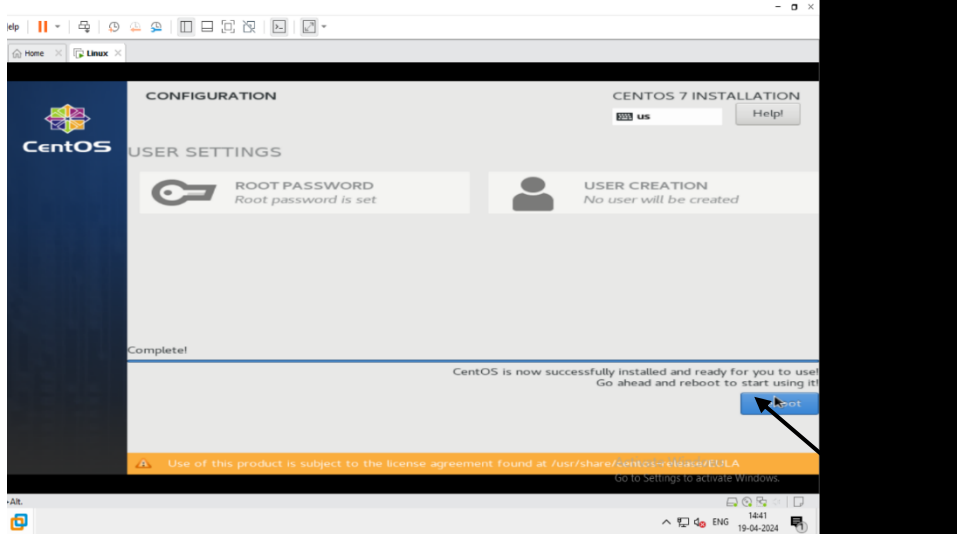
25. Click Root Password



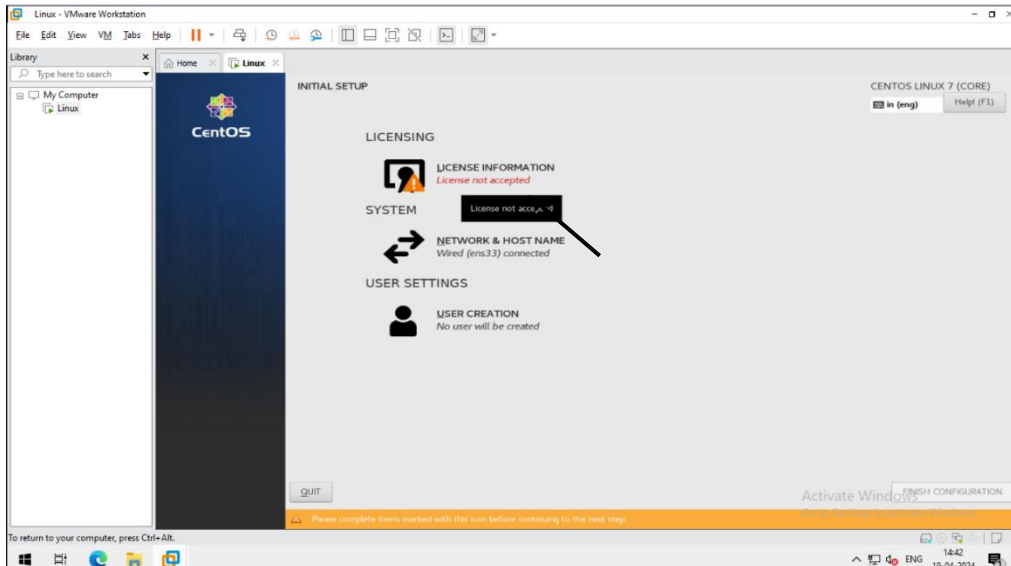
26. Give the Password and click Done



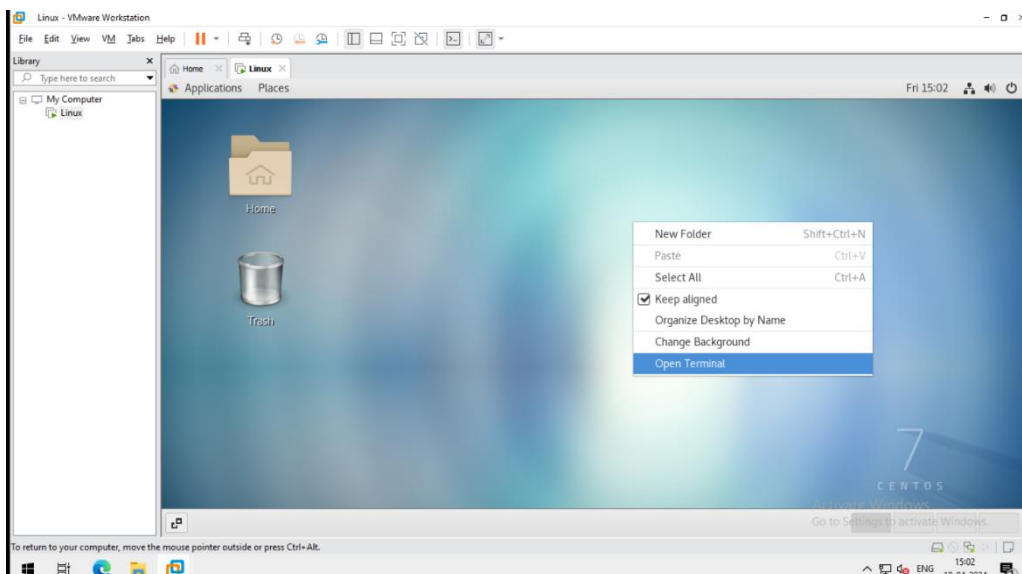
27. Reboot VM



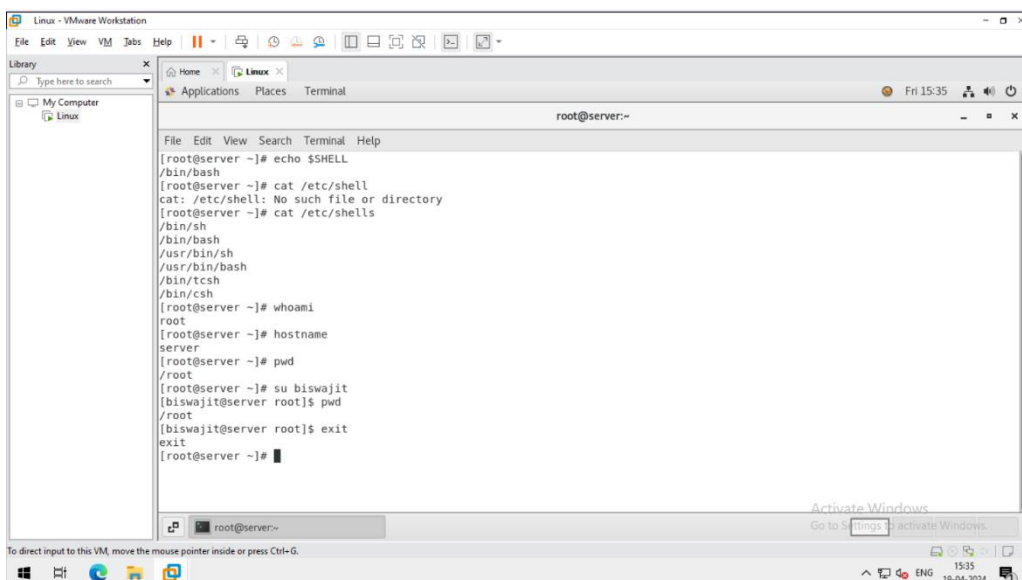
28. Accept the Licence



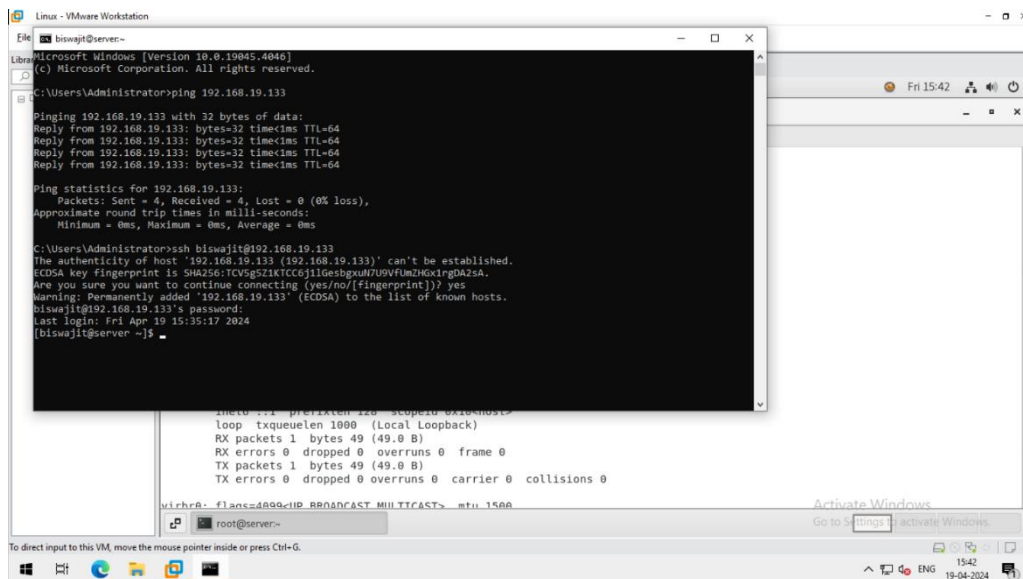
29. Right-click and choose Open Terminal



30. Run some Basic Command Like:- echo \$SHELL, Cat /etc/shells, whoami, hostname, pwd, su and exit



31. Connect the Linux machine with window CMD



```
Linux - VMware Workstation
File Edit View VM Help
Library
Type here to search
My Computer
Linux

C:\Users\Administrator>ping 192.168.19.133

Pinging 192.168.19.133 with 32 bytes of data:
Reply from 192.168.19.133: bytes=32 time=1ms TTL=64
Reply from 192.168.19.133: bytes=32 time=1ms TTL=64
Reply from 192.168.19.133: bytes=32 time=1ms TTL=64
Reply from 192.168.19.133: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.19.133:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Administrator>ssh biswajit@192.168.19.133
The authenticity of host '192.168.19.133 (192.168.19.133)' can't be established.
ECDSA key fingerprint is SHA256:ICVg52kICG5j1l0esI9gU7UPWFun2HxvrgBA2sA.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.19.133' (ECDSA) to the list of known hosts.
biswajit@192.168.19.133's password:
Last login: Fri Apr 19 15:35:17 2024
[biwajit@server ~]$

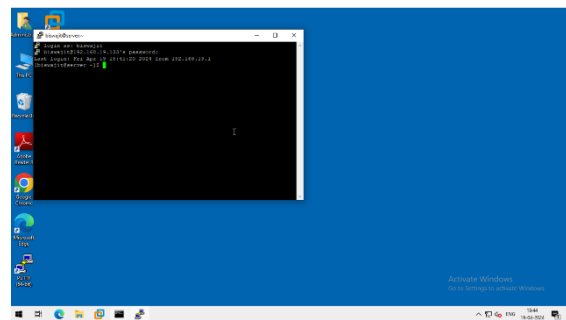
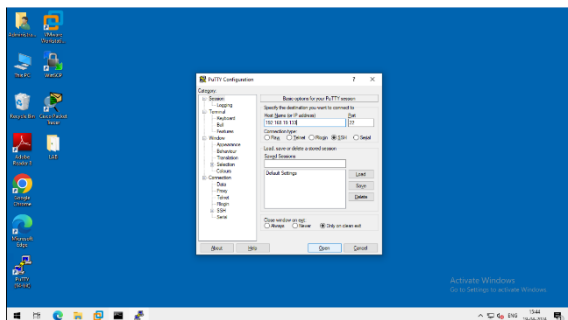
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.19.133 netmask 255.255.255.0 broadcast 192.168.19.255
    ether 08:00:27:4c:956d:cdd:f54a prefixlen 64 scopeid 0x20<link>
    RX packets 591278 bytes 887675783 (846.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 81449 bytes 5027472 (4.7 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 1 bytes 49 (49.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1 bytes 49 (49.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

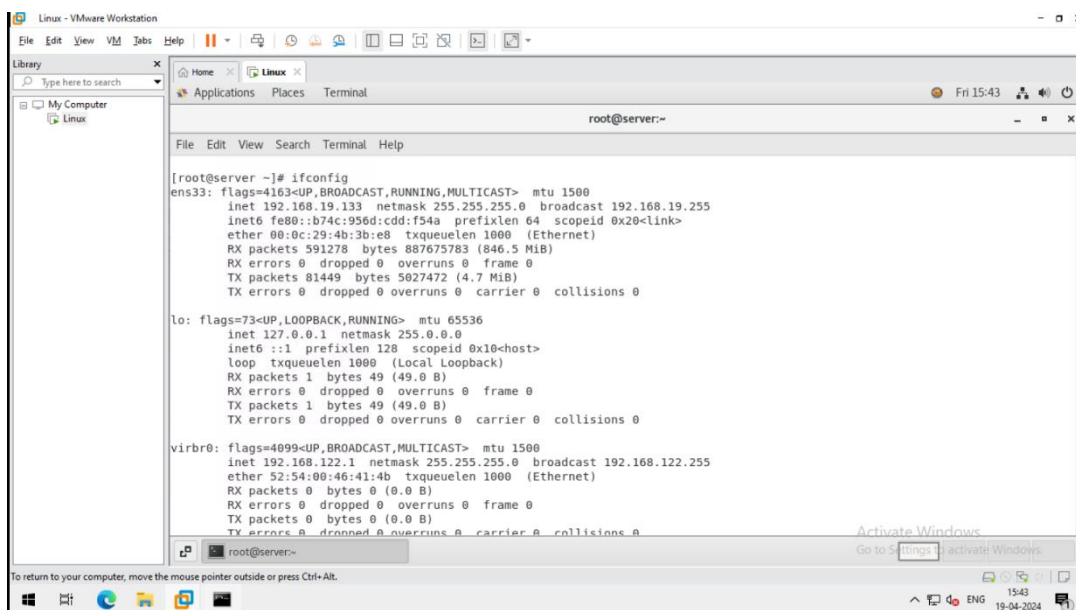
virbr0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255
    ether 52:54:00:46:41:4b txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@server~#
```

32. Connect the Linux machine with putty



33. Run ifconfig



```
Linux - VMware Workstation
File Edit View VM Help
Library
Type here to search
My Computer
Linux

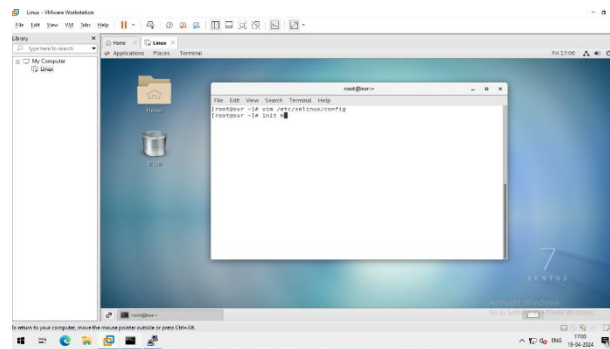
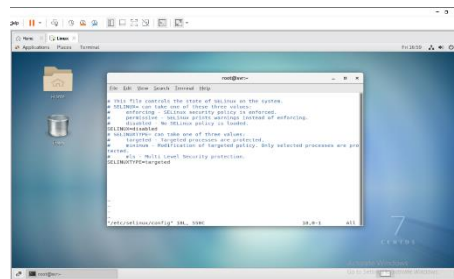
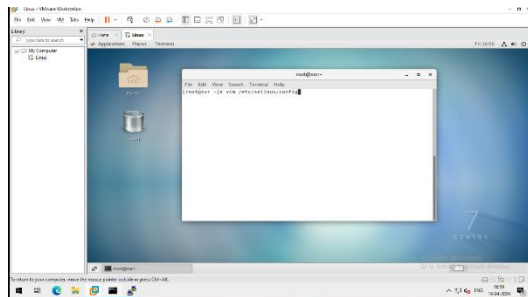
root@server~# ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.19.133 netmask 255.255.255.0 broadcast 192.168.19.255
    ether 08:00:27:4c:956d:cdd:f54a prefixlen 64 scopeid 0x20<link>
    RX packets 591278 bytes 887675783 (846.5 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 81449 bytes 5027472 (4.7 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 1 bytes 49 (49.0 B)
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virbr0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 192.168.122.1 netmask 255.255.255.0 broadcast 192.168.122.255
    ether 52:54:00:46:41:4b txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@server~#
```

34. Disable getenforce



35. Run History command

