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Course: Cloud Computing

Objective

To install Ubuntu Server on VMware Workstation and access it remotely from the host system using SSH

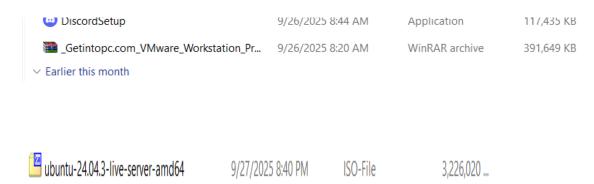
Requirements

- VMware Workstation / Player installed on Windows
- Ubuntu Server ISO file
- Windows Command Prompt or PowerShell for SSH
- Stable internet connection

Procedure

Step 1 – Download VMware and Ubuntu Server ISO

- Download and install VMware Workstation/Player.
- Download Ubuntu Server ISO from the official Ubuntu website.



Step 2 – Create a New Virtual Machine

- Open VMware → Click Create a New Virtual Machine.
- Select Typical installation and choose the downloaded Ubuntu Server ISO.

Step 3 – Configure Virtual Machine Settings

- Choose disk size, memory, and CPU as instructed.
- Finish the setup.

Step 4 – Install Ubuntu Server

- Start the VM.
- Follow the installation prompts to set language, keyboard, and user credentials.

Step 5 - Get the VM IP Address

After installation, log in to Ubuntu Server.

Run the command:

ip addr:

Note the IP address shown (e.g., 192.168.x.x).

```
shumaila@ubuntu:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defau
lt qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether 00:0c:29:e5:62:e5 brd ff:ff:ff:ff
    altname enp2s1
    inet 192.168.9.129/24 brd 192.168.9.255 scope global dynamic noprefixroute
ens33
    valid_lft 1630sec preferred_lft 1630sec
    inet6 fe80::7657:db4f:ce24:bca/64 scope link noprefixroute
    valid_lft forever preferred_lft forever
```

Step 6 - Access the Server via SSH from Windows

On your Windows host machine, open Command Prompt.

Type:

ssh username@<VM_IP>

- Enter the password you created during Ubuntu installation.
- Now you're connected to the Ubuntu Server from your Windows machine.
 (Insert Screenshot)

```
C:\Users\Samina>ssh shumaila062@192.168.9.131
shumaila062@192.168.9.131's password:
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-84-generic x86_64)
* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/pro
System information as of Sun Sep 28 02:38:31 PM UTC 2025
  System load: 0.0
                                                                 210
                                      Processes:
 Usage of /: 32.6% of 19.51GB Users logged in:
                                                                 1
                                      IPv4 address for ens33: 192.168.9.131
 Memory usage: 8%
  Swap usage:
Expanded Security Maintenance for Applications is not enabled.
13 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
```

Result

Ubuntu Server was successfully installed on VMware and accessed remotely using SSH.