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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.

 DiscordSetup	9/26/2025 8:44 AM	Application	117,435 KB
 _Getintopc.com_VMware_Workstation_Pr...	9/26/2025 8:20 AM	WinRAR archive	391,649 KB
⌵ Earlier this month			

 ubuntu-24.04.3-live-server-amd64	9/27/2025 8:40 PM	ISO-File	3,226,020 ...
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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 default 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 group default qlen 1000
    link/ether 00:0c:29:e5:62:e5 brd ff:ff: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               Processes:            210
Usage of /:   32.6% of 19.51GB   Users logged in:     1
Memory usage: 8%               IPv4 address for ens33: 192.168.9.131
Swap usage:   0%

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.