Objective: Generate public and private keys and enable SSH from your machine to another VM using the key. Configure SSH to just run 'ssh ivolve' without specify username, IP and key in the command.

-install service sshd
Sudo apt install sshd
Sudo systemctl enable -now ssh

```
ahmed@ahmed-VMware-Virtual-Platform:~$ sudo systemctl enable --now
synchronizing state of ssh.service with SysV service script with /usr/lib/system
d/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable ssh
Created symlink /etc/systemd/system/sshd.service 
ightarrow /usr/lib/systemd/system/ssh.s
ervice.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service 	o /usr/l
ib/systemd/system/ssh.service.
ahmed@ahmed-VMware-Virtual-Platform:~$ sudo systemctl status ssh
ssh.service - OpenBSD Secure Shell server
    Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled
    Active: active (running) since Mon 2024-12-02 10:05:07 EET; 2s ago
TriggeredBy: 🔵 ssh.socket
      Docs: man:sshd(8)
            man:sshd_config(5)
   Process: 4213 ExecStartPre=/usr/sbin/sshd
```

- generate key publice, private

Ssh-keygen -t rsa -b 4096 -C "ivolvekey"

Ssh-copy-id -i ~/.shh/id_rsa.pub ahmed@192.168.216.136

```
ahmed@ahmed-VMware-Virtual-Platform:~$ sudo ssh-copy-id -i /home/ahmed/.ssh/id_r
sa.pub ahmed@192.168.216.136
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/ahmed/.ssh/
id rsa.pub"
The authenticity of host '192.168.216.136 (192.168.216.136)' can't be establishe
ED25519 key fingerprint is SHA256:89LLvI22auZi9zOhgESTlAarFUd0DnPZdP7WdOjdH1s.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter
out any that are already installed
-edit file /.ssh/config
 Host ivolve
      HostName
                  192.168.216.136
                   ahmed
      User
      Identityfile
                   ~/.ssh/id_rsa
     HOST ivolve
            HostName 192.168.216.136
            User
                      ahmed
            Identityfile ~/.ssh/id_rsa
```

Ssh ivolve:

```
ahmed@ahmed-VMware-Virtual-Platform:—$ ssh ivolve
The authenticity of host '192.168.216.136 (192.168.216.136)' can't be establishe
d.
ED25519 key fingerprint is SHA256:89LLvI22auZi9zOhgESTlAarFUd0DnPZdP7WdOjdH1s.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.168.216.136' (ED25519) to the list of known host
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-49-generic x86_64)
 * Documentation: https://help.ubuntu.com
 * Management:
                     https://landscape.canonical.com
* Support:
                     https://ubuntu.com/pro
Expanded Security Maintenance for Applications is not enabled.
196 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
```

