Server

Task 1: Setup

1. Server Administrator Tasks (VM1):

- Create local user accounts for each client on the server.

**Client1:**

sudo useradd -m client1

sudo passwd client1

New password: client1

**Client2:**

sudo useradd -m client2

sudo passwd client2

New password: client2

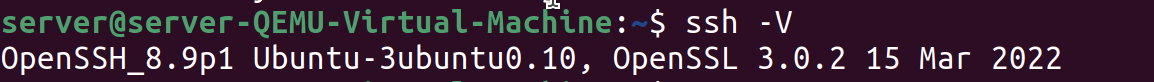
- Install and enable SSHD.

sudo apt install openssh-server

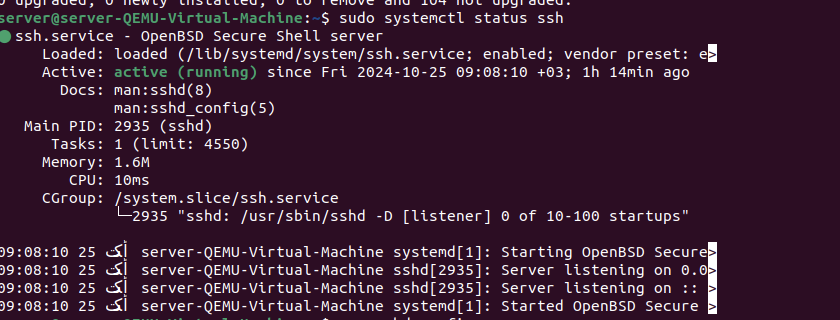
sudo systemctl enable ssh

- To check is SSHD

ssh -V



sudo systemctl status ssh



- Configure SFTP for file transfer operations.

sudo nano /etc/ssh/sshd\_config

ip address of current machine: ip a

192.168.64.3

ssh [server@192.168.64.3](mailto:server@192.168.64.3)

secure SSH:

Task 2: Configuration

1. Server Configuration (VM1):

**• SSH and SFTP Configuration:**

* Enable SSH access for clients using local account credentials, that is, configure SSHD server such that clients can access any file via their local accounts, using username and password.
* Set up SFTP for file uploads/downloads.
* Secure copy will be used to transfer files to and from server.

Task 3: Shell Scripting

**Server Side Shell script 1: (Network.sh)**