Instalasi SSH Server pada Ubuntu 22.04

- 1. Langkah pertama untuk menginstall SSH Server adalah membuka Linux Ubuntu 22.04 pada Virtual Machine, lalu login dan buka terminal.
- 2. Setelah terminal terbuka, kita masuk ke mode super user dengan "sudo su".
- 3. Setelah masuk ke mode root atau superuser, kita lakukan update dengan perintah :

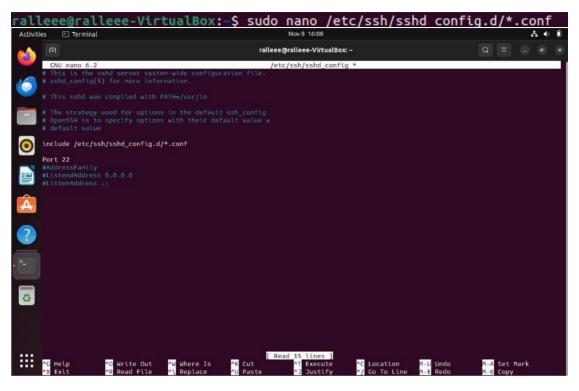
```
alleee@ralleee-VirtualBox:~$ sudo apt update && apt upgrade
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [718 kB]
Get:5 http://id.archive.ubuntu.com/ubuntu jammv-updates/main amd64 Packages [2.146 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [367 kB]
Get:8 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [103 kB]
Get:9 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2.633 kB]
Get:10 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [455 kB]
Get:11 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 DEP-11 Metadata [212 B]
Get:12 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1.134 kB]
Get:13 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [738 kB]
Get:14 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [265 kB]
Get:15 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [357 kB]
Get:16 http://id.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Get:17 http://id.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [5.304 B]
Get:18 http://id.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 DEP-11 Metadata [212 B
Get:19 http://id.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [23.1 kB
Get:20 http://id.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 DEP-11 Metadata [212 B
Get:21 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [556 kB]
Get:22 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1.911 kB]
Get:23 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [307 kB]
Get:24 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [43,1 kB]
Get:25 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2.545 kB]
Get:26 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [440 kB]
Get:27 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 DEP-11 Metadata [208 B]
Get:28 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [913 kB]
Get:29 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [633 kB]
Get:30 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [181 kB]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [126 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 DEP-11 Metadata [208 B]
Fetched 17.0 MB in 5s (3.727 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
100 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

4. Setelah update berhasil, kita lanjut dengan menginstalasi paket OpenSSH dengan perintah:

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:8.9p1-3ubuntu0.10).

0 upgraded, 0 newly installed, 0 to remove and 100 not upgraded.
```

5. Setelah instalasi berhasil dengan mengetik "Y", lanjut dengan mengedit file sshd_config dengan teks editor nano. Lalu kita uncommand pada line 13 dengan cara menghapus tanda "#" sebelum "Port 22"



- 6. Setelah diedit, kita tutup dan simpan perubahan file tersebut dengan cara menekan "Ctrl+X", lalu ketik "y" dan enter.
- 7. Hal selanjutnya adalah me-restart service SSH yang berjalan, lalu sehabis itu kita bisa juga mengecek status keaktifan dari SSH Server tersebut:



8. Setelah melihat status SSH sudah aktif, kita kembali ke OS Host lalu membuka command prompt atau bisa juga powershell, lalu kita masukkan perintah "ssh username@ip-address", untuk melihat ip address bisa masukkan perintah seperti dibawah pada OS Ubuntu 22.04:

```
ralleee@ralleee-VirtualBox:~$ ssh ralleee@10.0.2.15
The authenticity of host '10.0.2.15 (10.0.2.15)' can't be established.
ED25519 key fingerprint is SHA256:k5ZauHG0sgeC5CcbWLD2pH1DRrdVmft8rm7xHjK7KLI.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.2.15' (ED25519) to the list of known hosts.
ralleee@10.0.2.15's password:
ralleee@ralleee-VirtualBox:~$ ip a
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: enp0s3: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc fq codel state UP group default glen 1000
   link/ether 08:00:27:3c:9e:c2 brd ff:ff:ff:ff:ff
   inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
      valid lft 83729sec preferred lft 83729sec
   inet6 fe80::8c02:a154:6fb0:b2c9/64 scope link noprefixroute
      valid lft forever preferred lft forever
ralleee@ralleee-VirtualBox:~$ ssh ralleee@10.0.2.15
ralleee@10.0.2.15's password:
Last login: Fri Nov 8 16:36:00 2024 from 10.0.2.15
```