

**LAPORAN PRAKTIKUM
ARSITEKTUR DAN ORGANISASI KOMPUTER**



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PALEMBANG 2023**

Laporan menginstall ssh server

Pertama kita membuka virtual box kemudian cek ip address kita.

Kemudian setelah cek ip address maka kita akan melanjutkan untuk menginstall ssh server bisa menggunakan putty atau cmd.

Pertama kita masukkan coding berikut untuk update.

```
sudo apt update  
sudo apt upgrade
```

kedua kita masukkan coding untuk install ssh sever

```
sudo apt install openssh-server
```

ketiga, setelah kita install cek status ssh apakah active (running) atau tidak

```
sudo systemctl status ssh
```

selanjutnya kita akan test apakah ssh kita berhasil terinstall atau tidak
masukkan code “ssh username kita@ip address kita”

```
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C:\Users\USER>ssh www@10.1.9.116
www@10.1.9.116's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.4.0-166-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue 21 Nov 2023 07:39:37 AM UTC

System load:  0.05          Processes:            123
Usage of /:   48.1% of 11.21GB Users logged in:          1
Memory usage: 31%          IPv4 address for enp0s3: 10.1.9.116
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

16 updates can be applied immediately.
3 of these updates are standard security updates.
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

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Nov 21 07:33:26 2023 from 10.1.9.23
www@www:~$ |
```

Kita berhasil masuk ke server

Kemudian jika ingin cek status ssh kita, kita masukkan code “sudo systemctl status ssh”

Maka tampilannya sebagai berikut

```
www@www:~$ systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2023-11-21 07:12:21 UTC; 28min ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Process: 681 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 729 (sshd)
     Tasks: 1 (limit: 2257)
    Memory: 5.2M
    CGroup: /system.slice/ssh.service
            └─729 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Nov 21 07:12:21 www systemd[1]: Starting OpenBSD Secure Shell server...
Nov 21 07:12:21 www sshd[729]: Server listening on 0.0.0.0 port 22.
Nov 21 07:12:21 www sshd[729]: Server listening on :: port 22.
Nov 21 07:12:21 www systemd[1]: Started OpenBSD Secure Shell server.
Nov 21 07:33:25 www sshd[1712]: Accepted password for www from 10.1.9.23 port 58160 ssh2
Nov 21 07:33:25 www sshd[1712]: pam_unix(sshd:session): session opened for user www by (uid=0)
Nov 21 07:39:37 www sshd[1894]: Accepted password for www from 10.1.9.23 port 56360 ssh2
Nov 21 07:39:37 www sshd[1894]: pam_unix(sshd:session): session opened for user www by (uid=0)
www@www:~$ |
```

