

LAPORAN PRAKTIKUM SISTEM OPERASI



Disusun Oleh :

Nama : Wahyu Hidayat

NIM : 09030582226009

Kelas : TK4A

Dosen : Adi Hermansyah, S.KOM., M.T.

**LABORATORIUM PERANGKAT KERAS
FAKULTAS ILMU KOMPUTER
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Install almalinux pada virtualbox

1. Pertama kita login terlebih dahulu

```
localhost login: dayatlinux
Password:
Last login: Mon Jan 22 15:05:17 from 10.1.8.37
[dayatlinux@localhost ~]$
```

2. Kedua kita masuk ke root dengan memerintahkan kode **su -**.

```
Last login: Mon Jan 22 15:05:17 from 10.1.8.37
[dayatlinux@localhost ~]$ su -
Password:
Last login: Mon Jan 22 14:48:10 WIB 2024 on tty1
[root@localhost ~]# sudo dnf update
Last metadata expiration check: 4:18:32 ago on Mon Jan 22 14:48:10 WIB 2024
Dependencies resolved.
Nothing to do.
Complete!
[root@localhost ~]# _
```

3. Ketiga kita melakukan update dengan perintah **sudo dnf update**
4. Keempat kita melakukan install dengan perintah **sudo dnf install net-tools**

```
[root@localhost ~]# sudo dnf install net-tools
Last metadata expiration check: 4:19:26 ago on Mon Jan 22 14:48:10 WIB 2024
Package net-tools-2.0-0.62.20160912git.el9.x86_64 is already installed
Dependencies resolved.
Nothing to do.
Complete!
```

5. Kelima kita menjalankan **sudo systemctl start sshd**, Anda memulai layanan SSH daemon pada sistem Linux. Ini mengaktifkan kemampuan server untuk menerima koneksi SSH dari klien, yang memungkinkan akses jarak jauh ke shell server dengan cara yang aman.

```
[root@localhost ~]# sudo systemctl start sshd
```

6. Keenam kita melakukan pengecekan status dari sshd yang kita mulai tadi.

```
[root@localhost ~]# sudo systemctl status sshd
● sshd.service - OpenSSH server daemon
   Loaded: loaded (/usr/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Mon 2024-01-22 19:06:48 WIB; 2min ago
     Docs: man:ssh(8)
           man:ssh_config(5)
   Main PID: 703 (sshd)
      Tasks: 1 (limit: 11039)
     Memory: 2.8M
        CPU: 17ms
    CGroup: /system.slice/ssh.service
            └─703 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 st

Jan 22 19:06:48 localhost.localdomain systemd[1]: Starting OpenSSH server daemon: sshd.
Jan 22 19:06:48 localhost.localdomain sshd[703]: Server listening on 0.0.0.0 port 22.
Jan 22 19:06:48 localhost.localdomain sshd[703]: Server listening on :: port 22.
Jan 22 19:06:48 localhost.localdomain systemd[1]: Started OpenSSH server daemon: sshd.
```

7. Ketujuh setelah status sshd active(running) kita melakukan pengecekan IP yang digunakan dan akan di cek oleh klien/dosen/penguji.

```
[root@localhost ~]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.16 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::a00:27ff:fe06:811b prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:06:81:1b txqueuelen 1000 (Ethernet)
    RX packets 234 bytes 17437 (17.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 95 bytes 8827 (8.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@localhost ~]#
```