

LAPORAN PRAKTIKUM ARSIKOM

(Arsitektur dan Organisasi Komputer)



Disusun Oleh :

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1. Untuk pertama-tama, seperti biasa kita melakukan `sudo apt update` untuk memperbarui, tak lupa juga memasukkan password yang telah dibuat.

```
zizi@zizi:~$ sudo apt update
[sudo] password for zizi:
Hit:1 http://id.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Reading package lists... Done
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/focal-updates/InRelease is not valid yet (invalid for another 12d 23h 22min 44s). Updates for this repository will not be applied.
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/focal-backports/InRelease is not valid yet (invalid for another 4d 17h 14min 44s). Updates for this repository will not be applied.
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/focal-security/InRelease is not valid yet (invalid for another 12d 8h 59min 34s). Updates for this repository will not be applied.
```

2. Lalu, yang kedua kita melakukan perintah `ifconfig` guna mendapatkan alamat IP yang kita miliki.

```
zizi@zizi:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.1.10.250 netmask 255.255.252.0 broadcast 10.1.11.255
    inet6 fe80::a00:27ff:fed1:5300 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:d1:53:00 txqueuelen 1000 (Ethernet)
    RX packets 305073 bytes 397023761 (397.0 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 116572 bytes 14221681 (14.2 MB)
    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 487 bytes 61654 (61.6 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 487 bytes 61654 (61.6 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

3. Selanjutnya, kita melakukan penginstalan terhadap SSH.

```
zizi@zizi:~$ sudo apt install openssh-server openssh-client
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-client is already the newest version (1:8.2p1-4ubuntu0.9).
openssh-client set to manually installed.
openssh-server is already the newest version (1:8.2p1-4ubuntu0.9).
0 upgraded, 0 newly installed, 0 to remove and 74 not upgraded.
zizi@zizi:~$ _
```

4. Setelah diinstal, saatnya kita mengecek status SSH tersebut

```
zizi@zizi:~$ sudo systemctl status ssh
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2023-11-01 04:40:17 UTC; 2 weeks 6 days ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Main PID: 2397 (sshd)
      Tasks: 1 (limit: 3849)
     Memory: 3.1M
    CGroup: /system.slice/ssh.service
            └─2397 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Nov 01 04:52:35 zizi sshd[3276]: Accepted password for zizi from 10.1.8.46 port 57157 ssh2
Nov 01 04:52:35 zizi sshd[3276]: pam_unix(sshd:session): session opened for user zizi by (uid=0)
Nov 08 04:13:58 zizi sshd[3504]: Accepted password for zizi from 10.1.9.46 port 59655 ssh2
Nov 08 04:13:58 zizi sshd[3504]: pam_unix(sshd:session): session opened for user zizi by (uid=0)
Nov 08 05:22:39 zizi sshd[12210]: Accepted password for zizi from 10.1.9.46 port 62694 ssh2
Nov 08 05:22:39 zizi sshd[12210]: pam_unix(sshd:session): session opened for user zizi by (uid=0)
Nov 08 05:46:01 zizi sshd[14988]: Accepted password for zizi from 10.1.9.46 port 62094 ssh2
Nov 08 05:46:01 zizi sshd[14988]: pam_unix(sshd:session): session opened for user zizi by (uid=0)
Nov 08 06:24:02 zizi sshd[18442]: Accepted password for zizi from 10.1.9.46 port 59076 ssh2
Nov 08 06:24:02 zizi sshd[18442]: pam_unix(sshd:session): session opened for user zizi by (uid=0)
```

5. Terakhir, mari kita buka SSH dengan memasukkan username nama pengguna dan alamat IP yang telah kita dapatkan dari ifconfig

```
zizi@zizi:~$ sudo systemctl start ssh
zizi@zizi:~$ ssh zizi@zizi-10.1.10.250
```