

SISTEM TERDISTRIBUSI
KONFIGURASI DNS SERVER DAN CLIENT MENGGUNAKAN APACHE2 DAN
BIND9



Dibuat Oleh :

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LAPORAN TUGAS

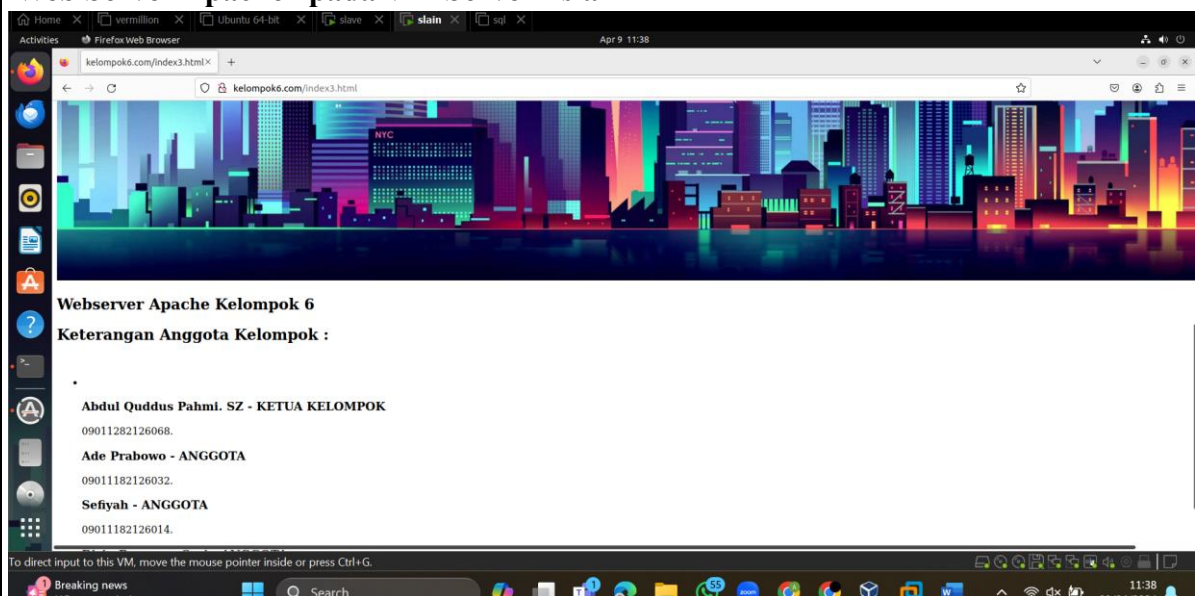
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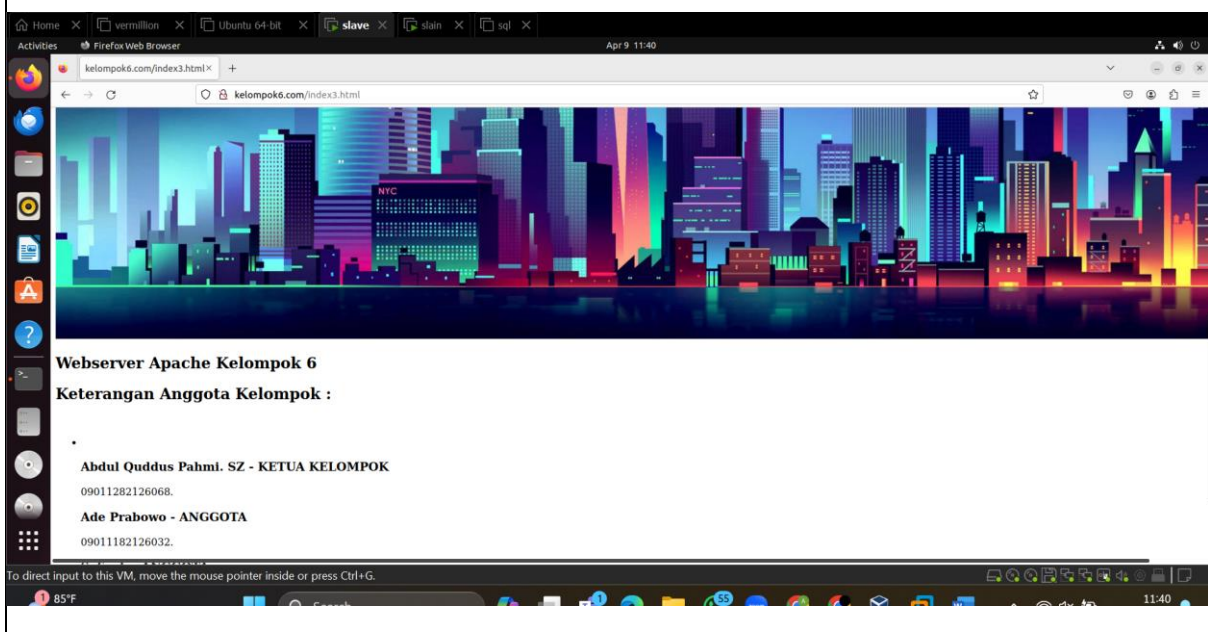
Jurusan : Sistem Komputer 2021

Hasil Implementasi :

Web Server Apache2 pada VM Server - slain



Web Server Apache2 pada VM Client – slave



Ping dari Server dan Client

```
slain@slain:~$ ping -c 4 kelompok6.com
PING kelompok6.com (192.168.40.133) 56(84) bytes of data.
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=1 ttl=64 time=0.030 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=2 ttl=64 time=0.063 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=3 ttl=64 time=0.062 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=4 ttl=64 time=0.061 ms

--- kelompok6.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3073ms
rtt min/avg/max/mdev = 0.030/0.054/0.063/0.013 ms
slain@slain:~$
```

```
slave@slave:~$ ping -c 4 kelompok6.com
PING kelompok6.com (192.168.40.133) 56(84) bytes of data.
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=1 ttl=64 time=0.576 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=2 ttl=64 time=0.771 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=3 ttl=64 time=0.361 ms
64 bytes from kelompok6.com (192.168.40.133): icmp_seq=4 ttl=64 time=0.447 ms

--- kelompok6.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3028ms
rtt min/avg/max/mdev = 0.361/0.538/0.771/0.154 ms
```

NMAP dari Server dan Client

```
slain@slain:~$ nmap kelompok6.com
Starting Nmap 7.80 ( https://nmap.org ) at 2024-04-09 11:37 WIB
Nmap scan report for kelompok6.com (192.168.40.133)
Host is up (0.00020s latency).
Not shown: 998 closed ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http

Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds
```

```
slave@slave:~$ nmap kelompok6.com
Starting Nmap 7.80 ( https://nmap.org ) at 2024-04-09 11:37 WIB
Nmap scan report for kelompok6.com (192.168.40.133)
Host is up (0.00041s latency).
Not shown: 998 closed ports
PORT      STATE SERVICE
53/tcp    open  domain
80/tcp    open  http

Nmap done: 1 IP address (1 host up) scanned in 0.09 seconds
```

NSLOOKUP dari Server dan Client

```
slain@slain:~$ nslookup kelompok6.com
Server:      127.0.0.53
Address:     127.0.0.53#53

Name:   kelompok6.com
Address: 192.168.40.133
```

```
slave@slave:~$ nslookup kelompok6.com
Server:      127.0.0.53
Address:     127.0.0.53#53

Name:   kelompok6.com
Address: 192.168.40.133
```

DIG dari Server dan Client

```
slain@slain:~$ dig kelompok6.com

; <<>> DiG 9.18.18-0ubuntu0.22.04.2-Ubuntu <<>> kelompok6.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 39051
;; flags: qr aa rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;kelompok6.com.                IN      A

;; ANSWER SECTION:
kelompok6.com.                0       IN      A      192.168.40.133

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Tue Apr 09 11:50:16 WIB 2024
;; MSG SIZE rcvd: 58
```

```
slave@slave:~$ dig kelompok6.com

; <<>> DiG 9.18.18-0ubuntu0.22.04.2-Ubuntu <<>> kelompok6.com
;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 63965
;; flags: qr aa rd ra ad; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;kelompok6.com.                IN      A

;; ANSWER SECTION:
kelompok6.com.                0       IN      A      192.168.40.133

;; Query time: 0 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Tue Apr 09 11:37:52 WIB 2024
;; MSG SIZE rcvd: 58
```