# Tugas 3 – Teknik Naming

## Verifikasi Koneksi Jaringan

 Ping Ubuntu Server 1 ke Ubuntu Server 2 Command -> ping 192.168.100.2

```
ubuntu_server1@ubuntuserver1:~$ ping 192.168.100.2
PING 192.168.100.2 (192.168.100.2) 56(84) bytes of data.
64 bytes from 192.168.100.2: icmp_seq=1 ttl=64 time=0.433 ms
64 bytes from 192.168.100.2: icmp_seq=2 ttl=64 time=0.273 ms
64 bytes from 192.168.100.2: icmp_seq=3 ttl=64 time=0.361 ms
64 bytes from 192.168.100.2: icmp_seq=4 ttl=64 time=0.361 ms
64 bytes from 192.168.100.2: icmp_seq=5 ttl=64 time=0.329 ms
64 bytes from 192.168.100.2: icmp_seq=5 ttl=64 time=0.323 ms
64 bytes from 192.168.100.2: icmp_seq=6 ttl=64 time=0.323 ms
64 bytes from 192.168.100.2: icmp_seq=7 ttl=64 time=0.332 ms
64 bytes from 192.168.100.2: icmp_seq=8 ttl=64 time=0.332 ms
64 bytes from 192.168.100.2: icmp_seq=9 ttl=64 time=0.555 ms
64 bytes from 192.168.100.2: icmp_seq=11 ttl=64 time=0.457 ms
64 bytes from 192.168.100.2: icmp_seq=11 ttl=64 time=0.502 ms
60 bytes from 192.168.100.2: icmp_seq=11 ttl=64 time=0.502 ms
61 bytes from 192.168.100.2: icmp_seq=11 ttl=64 time=0.502 ms
62 c
--- 192.168.100.2 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10228ms
64 rt min/avg/max/mdev = 0.273/0.409/0.585/0.099 ms
65 ubuntu_server1@ubuntuserver1:~$
```

Ping Ubuntu Server 2 ke Ubuntu Server 1
 Command -> ping 192.168.100.1

```
ubuntu_server1@ubuntuserver2:~$ ping 192.168.100.1
PING 192.168.100.1 (192.168.100.1) 56(84) bytes of data.
64 bytes from 192.168.100.1: icmp_seq=1 ttl=64 time=0.392 ms
64 bytes from 192.168.100.1: icmp_seq=2 ttl=64 time=0.486 ms
64 bytes from 192.168.100.1: icmp_seq=3 ttl=64 time=0.359 ms
64 bytes from 192.168.100.1: icmp_seq=4 ttl=64 time=0.545 ms
64 bytes from 192.168.100.1: icmp_seq=5 ttl=64 time=0.470 ms
64 bytes from 192.168.100.1: icmp_seq=5 ttl=64 time=0.375 ms
64 bytes from 192.168.100.1: icmp_seq=6 ttl=64 time=0.375 ms
64 bytes from 192.168.100.1: icmp_seq=7 ttl=64 time=0.431 ms
64 bytes from 192.168.100.1: icmp_seq=8 ttl=64 time=0.440 ms
64 bytes from 192.168.100.1: icmp_seq=9 ttl=64 time=0.458 ms
64 bytes from 192.168.100.1: icmp_seq=10 ttl=64 time=0.639 ms
64 bytes from 192.168.100.1: icmp_seq=11 ttl=64 time=0.262 ms
^C
--- 192.168.100.1 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10239ms
rtt min/avg/max/mdev = 0.262/0.441/0.639/0.094 ms
ubuntu_server1@ubuntuserver2:~$
```

## Konfigurasi Flat Naming

Command -> sudo nano /etc/host

Lalu ketikkan:

192.168.100.1 ubuntu\_server1

192.168.100.2 ubuntu\_server2

• Ubuntu Server 1

```
GNU nano 6.2

127.0.0.1 localnost
127.0.0.1 localnost
127.0.1.1 ubuntu_server1

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localnost ip6-localnet
f600::0 ip6-localnet
ff00::1 ip6-allnodes
ff00::1 ip6-allnodes
ff02::2 ip6-allrouters
192.168.100.1 ubuntu_server1
192.168.100.2 ubuntu_server2

GG Help

TO Write Out

M Where Is

K Cut

T Execute

C Location

M-U Undo
X Exit

R Read File

Neplace

U Paste

J Justify

GO To Line
M-E Redo
```

Ubuntu Server 2

```
GNU nano 6.2

127.0.0.1 localhost
127.0.1.1 ubuntu_server2

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-localnet
ff00::1 ip6-allnodes
ff00::2 ip6-allrouters
192.168.100.1 ubuntu_server1
192.168.100.2 ubuntu_server2

GG Help

GG Help

GG Write Out

M Where Is

K Cut

T Execute

GG Location

M-U Undo

Exit

Read File

Replace

Paste

J Justify

Go To Line

M-E Redo
```

## Verifikasi Flat Naming

#### Ubuntu Server 1

### Command -> ping ubuntu\_server 2

```
ubuntu_server1@ubuntu_server1:~$ ping ubuntu_server2
PING ubuntu_server2 (192.168.100.2) 56(84) bytes of data.
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=1 ttl=64 time=0.370 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=2 ttl=64 time=0.298 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=3 ttl=64 time=2.61 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=4 ttl=64 time=0.429 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=5 ttl=64 time=0.429 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=5 ttl=64 time=0.294 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=6 ttl=64 time=0.294 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=8 ttl=64 time=0.382 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=8 ttl=64 time=0.552 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=9 ttl=64 time=0.772 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=10 ttl=64 time=0.272 ms
64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=11 ttl=64 time=0.272 ms
    64 bytes from ubuntu_server2 (192.168.100.2): icmp_seq=11 ttl=64 time=2.17 ms
      `C
  --- ubuntu_server2 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10196ms
rtt min/avg/max/mdev = 0.264/0.749/2.608/0.783 ms
  ubuntu_server1@ubuntuserver1:~$
```

#### Ubuntu Server 2

### Command -> ping ubuntu\_server 1

```
Ubuntu_server1@ubuntuserver2:~$ ping ubuntu_server1
PING ubuntu_server1 (192.168.100.1) 56(84) bytes of data.
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=1 ttl=64 time=0.389 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=2 ttl=64 time=0.565 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=3 ttl=64 time=0.364 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=4 ttl=64 time=0.464 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=5 ttl=64 time=0.563 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=5 ttl=64 time=0.511 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=7 ttl=64 time=0.724 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=8 ttl=64 time=0.352 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=9 ttl=64 time=0.358 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=11 ttl=64 time=0.536 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=11 ttl=64 time=0.536 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=11 ttl=64 time=0.536 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=11 ttl=64 time=0.536 ms
64 bytes from ubuntu_server1 (192.168.100.1): icmp_seq=11 ttl=64 time=0.536 ms
                         ubuntu_server1 ping statistics ---
    11 packets transmitted, 11 received, 0% packet loss, time 10199ms
rtt min/avg/max/mdev = 0.352/0.485/0.724/0.109 ms
      ubuntu_server1@ubuntuserver2:~$
```

## Melakukan Pemeriksaan Pada Sebuah Domain

Command -> dig dinus.ac.id

#### Ubuntu Server 1

```
<<>> DiG 9.18.12-OubuntuO.22.04.3-Ubuntu <<>> dinus.ac.id
   global options: +cmd
;; Got answer:
;; –>>HEADER<<– opcode: QUERY, status: NOERROR, id: 22743
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 5, ADDITIONAL: 8
;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 65494
;; QUESTION SECTION:
;dinus.ac.id. IN
;; ANSWER SECTION:
dinus.ac.id.
                                                                       103.246.107.90
 ; AUTHORITY SECTION:
dinus.ac.id.
                                                           NS
NS
NS
                                   86400
                                                                       ns3.dinus.ac.id.
                                                                       v6ns3.dinus.ac.id.
v6ns1.dinus.ac.id.
dinus.ac.id.
                                               IN
IN
                                   86400
                                   86400
dinus.ac.id.
dinus.ac.id.
                                   86400
                                                                       ns5.dinus.ac.id.
dinus.ac.id.
                                                                       ns1.dinus.ac.id.
 ; ADDITIONAL SECTION:
ns1.dinus.ac.id.
ns3.dinus.ac.id.
ns5.dinus.ac.id.
v6ns1.dinus.ac.id.
                                                                       103.246.107.10
103.246.107.15
69.65.50.192
103.246.107.10
                                   86400
                                               ΙN
                                                           A
                                   86400
                                               IN
IN
                                   86400
v6ns1.dinus.ac.id.
                                   86400
                                                           AAAA
                                                                       2001:470:ed8a::10
v6ns3.dinus.ac.id.
v6ns3.dinus.ac.id.
                                   86096
                                                                        103.246.107.15
                                                                       2001:470:ed8a::15
                                   86400
                                               ΙN
                                                           AAAA
   Query time: 67 msec
   SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
WHEN: Tue Oct 24 12:11:15 UTC 2023
MSG SIZE rcvd: 286
ubuntu_server1@ubuntuserver1:~$ _
```

### • Ubuntu Server 2

```
boothtd server1@ubuntuserver2:^$ dig dinus.ac.id

; <>>> DiG 9.18.12-OubuntuO.22.04.3-Ubuntu <>>> dinus.ac.id
;; global options: +cmd
;; Got answer:
;; ->>>HEDDER<<- opcode: QUERY, status: NOERROR, id: 51276
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
;; OPT PSEUDOSECTION:
;; DUESTION SECTION:
;dinus.ac.id. IN A
;; ANSWER SECTION:
dinus.ac.id. 3593 IN A 103.246.107.90
;; Query time: 56 msec
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)
;; WHEN: Tue Oct 24 12:11:53 UTC 2023
;; MSG SIZE rcvd: 56
ubuntu_server1@ubuntuserver2:^$ _</pre>
```

# Melakukan Pemeriksaan Sebuah Domain

Command -> dig dinus.ac.id

Johnner Dimor Protoma	
All 2021.13254 - All 4518  Output young diharillion dari dig dinar acid adalah  DITIS dari domain dinar acid.	oming until mengeral informati
*Hearer  Berisi informati dari:  - opere: (RVI=RY -) Menunjukkan bahara permintaan - statur: NUL-RROR-) Permintagan DIS berharil langa  - id: 227'13-> Angua identifikasi yang digundaan dari untuk mengicentifikasi proses, openan,	o bertipe, QUERY.
*Flage Clangulain bonus ini adah respon dari server untuk mencrim permintan raturris.	
DPT PSEUDOSECTION  Berlii Informati mengenai opii tamban DNS.	
* QUESTION SECTION  Menungulian behiro pertonjean adalah untuk ala dinur.ac.id	amat IPV4(A) cari domaio
** ANSWER SECTION  Javadon dari server DNS bohusa dinur acid res 246.107.90	rduri he abmot IPv4 103.
* X Query time: 67 msec.  Wanter zong dibutahlan server DNS unter mere	erpon, zaiku 67 msec.
* SERVER: 127.0.0.53#53(127.0.0.53)  Alamat IP can port server your digundian 170	alles 1270.0.53#53(1270.0.53)
White hetina perminteen DTS dichelian, ast 2023.	

		No Date
*MSG-STZE revd: 286 Univer byte DIIS yong	diterima, jaile scherar 286	byte.